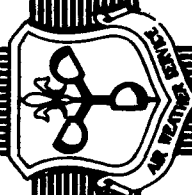


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# SOMALIA UPPER-AIR CLIMATIC ATLAS

JANUARY 1993

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## REVIEW AND APPROVAL STATEMENT

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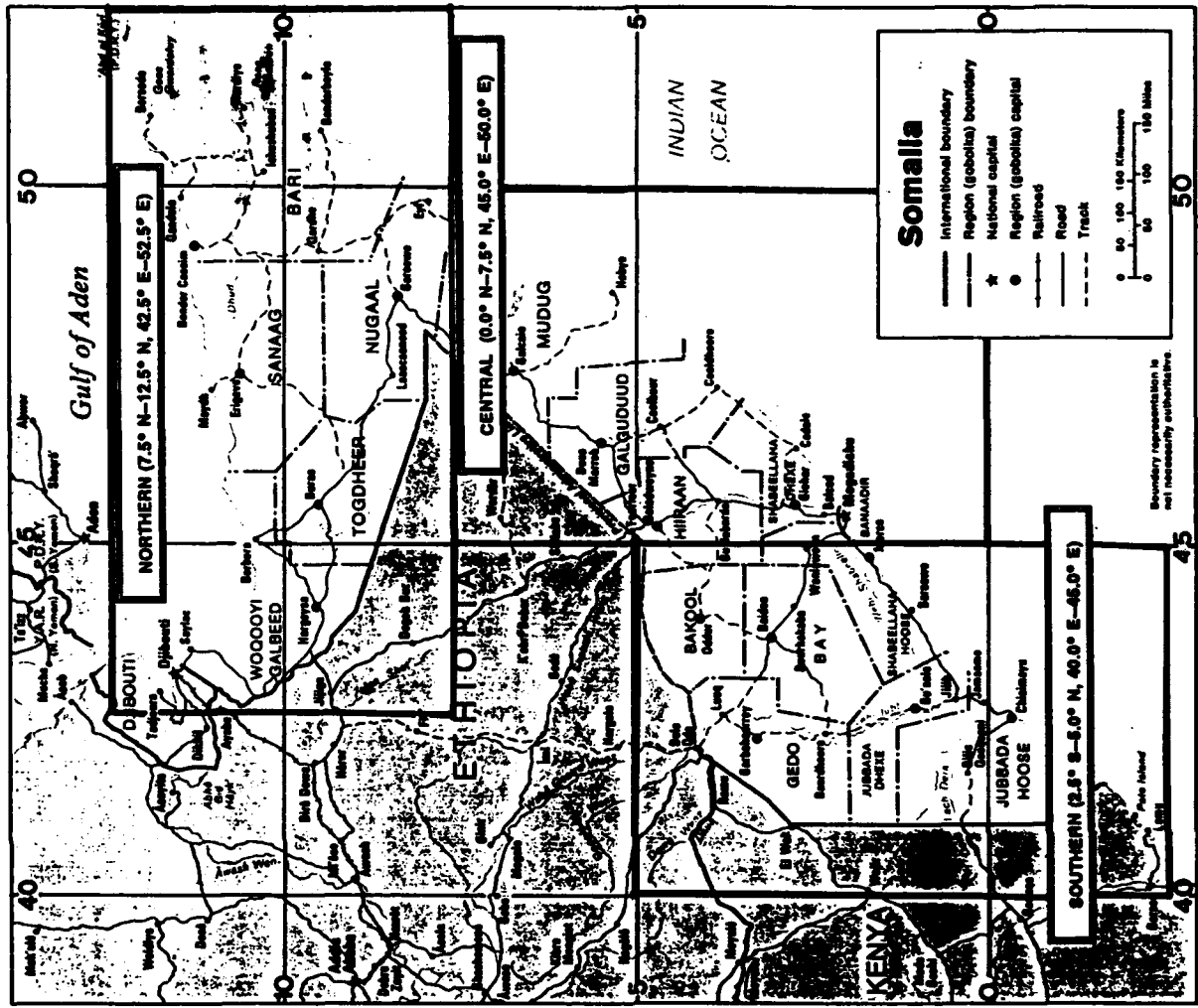
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13. Abstract: An atlas of tabular upper-air statistics for Somalia. Statistics are provided in three regional sets: Northern Somalia, Central Somalia, and Southern Somalia. Tables provide upper-air data (D-value, temperature, dew point, wind speed and direction) at levels from the surface to 10 millibars for specified 2.5 by 2.5 degree latitude/longitude grid points.
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**Somalia.** The boxes define the boundaries of the three regions (Northern, Central, and Southern) for which the tabular upper-air statistics have been prepared.

Tables for the Northern Region begin on page 3; for the Central Region, on page 94; and for the Southern Region, on page 167.



## SOMALIA UPPER-AIR CLIMATIC ATLAS

These statistical summaries for the upper atmosphere over Somalia are based on 1980-90 twice-daily gridded analyses produced by the European Centre for Medium Range Weather Forecasts (ECMWF). The ECMWF is a multi-national organization responsible for making global forecasts for the European community. Their data assimilation system uses multivariate optimal interpolation, which is able to use observations with differing error characteristics and spatial resolutions. The data is interpolated to a 2.5 by 2.5 degree grid in the horizontal and to the mandatory pressure levels in the vertical. For more information, see "A Global Three-dimensional Multivariate Statistical Interpretation Scheme", by A. C. Lorenc, Monthly Weather Review, 1981, Vol. 109, pages 701-721.

The tables in this atlas were prepared by the USAF Environmental Technical Applications Center's Operations Projects Branch, USAFETAC/DOC, in support of Operation RESTORE HOPE. The atlas provides regional analyses for Northern, Central, and Southern Somalia, each of which is defined on the map, opposite. Each table (two tables per page) provides monthly upper-air climatology at a specified grid point (every 2.5 degrees of latitude and longitude). The tables give D-value (in feet), mean temperature and dew point (in degrees centigrade), mean wind speed and percent occurrence frequency of direction (in knots and to 8-points of the compass), and mean geopotential heights (in feet) for 15 mandatory pressure levels (1,000 mb-10 mb) plus the surface. Except for wind direction frequency, all values have been rounded to the nearest whole number.

# **UPPER-AIR STATISTICAL DATA**

## **NORTHERN SOMALIA**

**(7.5 to 12.5° N, 42.5 to 52.5° E)**

JAN Latitude= 7.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |      | S     |     | SW    |      | W     |      | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 23  | 11  | 7     | 9.3  | 5     | 29.0 | 4     | 31.6 | 5     | 23.5 | 4     | 4.5 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 359    | -5   | 28  | 18  | 9     | 9.3  | 8     | 19.8 | 8     | 34.5 | 8     | 29.3 | 7     | 5.4 | 0     | 0.0  | 3     | 0.1  | 7     | 1.1  |
| 850  | 4946   | 166  | 20  | 11  | 9     | 6.9  | 10    | 19.5 | 10    | 40.8 | 9     | 28.0 | 7     | 3.3 | 0     | 0.0  | 3     | 0.1  | 5     | 0.8  |
| 700  | 10330  | 448  | 9   | 1   | 8     | 7.7  | 10    | 33.0 | 12    | 37.2 | 14    | 15.1 | 7     | 2.4 | 5     | 0.8  | 4     | 0.6  | 5     | 2.2  |
| 500  | 19237  | 948  | -6  | -20 | 9     | 3.8  | 12    | 20.8 | 18    | 55.6 | 12    | 10.4 | 7     | 1.4 | 7     | 2.2  | 8     | 2.7  | 7     | 2.7  |
| 400  | 24868  | 1294 | -17 | -31 | 14    | 10.8 | 14    | 20.3 | 19    | 41.9 | 16    | 10.8 | 9     | 2.4 | 10    | 2.7  | 12    | 5.3  | 13    | 5.1  |
| 300  | 31752  | 1687 | -32 | -47 | 17    | 14.0 | 15    | 14.0 | 18    | 26.4 | 17    | 11.7 | 12    | 4.1 | 16    | 6.2  | 18    | 9.0  | 16    | 13.8 |
| 250  | 35896  | 1897 | -42 | .   | 16    | 10.6 | 15    | 10.8 | 17    | 15.8 | 19    | 14.8 | 13    | 9.5 | 18    | 6.9  | 20    | 13.2 | 22    | 17.9 |
| 200  | 40743  | 2081 | -54 | .   | 17    | 9.1  | 12    | 8.3  | 16    | 11.6 | 26    | 15.1 | 14    | 8.5 | 16    | 7.5  | 23    | 21.1 | 20    | 18.0 |
| 150  | 46637  | 1990 | -68 | .   | 17    | 9.5  | 14    | 5.8  | 18    | 11.6 | 24    | 15.4 | 12    | 8.8 | 15    | 9.1  | 21    | 18.2 | 24    | 21.1 |
| 100  | 54371  | 1288 | -77 | .   | 12    | 9.3  | 11    | 10.4 | 17    | 18.3 | 18    | 16.7 | 11    | 7.5 | 12    | 6.1  | 18    | 14.3 | 22    | 16.6 |
| 70   | 61057  | 553  | -75 | .   | 12    | 7.1  | 14    | 12.0 | 16    | 23.1 | 13    | 12.5 | 13    | 8.4 | 15    | 8.7  | 18    | 15.0 | 16    | 12.9 |
| 50   | 67548  | 41   | -66 | .   | 14    | 6.6  | 16    | 14.1 | 18    | 19.6 | 12    | 6.6  | 14    | 6.7 | 16    | 11.7 | 20    | 17.4 | 22    | 16.7 |
| 30   | 77843  | -401 | -57 | .   | 18    | 5.6  | 21    | 11.4 | 25    | 30.1 | 18    | 5.9  | 15    | 4.5 | 19    | 7.5  | 23    | 19.1 | 33    | 14.9 |
| 20   | 86431  | -450 | -53 | .   | 14    | 2.2  | 9     | 2.3  | 11    | 6.4  | 7     | 5.7  | 4     | 2.5 | 9     | 5.1  | 17    | 12.0 | 24    | 13.1 |
| 10   | 101377 | -508 | -45 | .   | 28    | 4.5  | 19    | 4.8  | 22    | 12.9 | 14    | 11.6 | 9     | 5.1 | 19    | 10.3 | 34    | 24.1 | 49    | 26.4 |

JAN Latitude= 7.50 Longitude= 45.00

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N            |            | NE           |            | E            |            | SE           |            | S            |            | SW           |            | W            |            | NW           |            |
|------|-------------|--------------|------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
|      |             |              |            |            | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) |
| SFC  | .           | .            | 25         | 12         | 10           | 3.2        | 8            | 37.0       | 8            | 51.9       | 9            | 7.7        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        |
| 1000 | 351         | -13          | 27         | 17         | 9            | 5.6        | 10           | 27.9       | 10           | 52.2       | 10           | 12.7       | 5            | 0.4        | 0            | 0.0        | 4            | 0.3        | 5            | 0.3        |
| 850  | 4953        | 173          | 19         | 12         | 10           | 3.8        | 14           | 34.8       | 14           | 53.2       | 12           | 7.9        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 4            | 0.1        |
| 700  | 10321       | 439          | 9          | 1          | 9            | 9.3        | 12           | 36.7       | 14           | 38.8       | 13           | 11.2       | 8            | 1.7        | 5            | 0.4        | 4            | 0.1        | 4            | 0.9        |
| 500  | 19239       | 950          | -6         | -20        | 10           | 5.6        | 13           | 18.7       | 18           | 54.3       | 13           | 10.6       | 7            | 2.0        | 8            | 2.2        | 9            | 2.5        | 8            | 3.5        |
| 400  | 24861       | 1287         | -17        | -31        | 14           | 10.3       | 15           | 20.4       | 20           | 41.4       | 17           | 9.3        | 10           | 2.4        | 13           | 2.9        | 11           | 6.2        | 13           | 6.6        |
| 300  | 31754       | 1689         | -32        | -46        | 16           | 14.5       | 16           | 14.3       | 18           | 25.9       | 14           | 10.9       | 11           | 3.8        | 16           | 6.7        | 18           | 9.9        | 17           | 13.5       |
| 250  | 35896       | 1897         | -42        | .          | 15           | 10.9       | 15           | 11.1       | 17           | 15.9       | 17           | 13.5       | 15           | 8.7        | 16           | 9.1        | 21           | 12.5       | 21           | 17.7       |
| 200  | 40742       | 2080         | -54        | .          | 17           | 8.5        | 14           | 6.4        | 20           | 9.3        | 22           | 19.1       | 14           | 8.0        | 13           | 7.9        | 23           | 22.2       | 21           | 17.7       |
| 150  | 46633       | 1986         | -68        | .          | 16           | 8.0        | 14           | 6.7        | 21           | 11.1       | 24           | 16.6       | 12           | 7.2        | 14           | 8.7        | 21           | 19.0       | 24           | 22.4       |
| 100  | 54377       | 1294         | -77        | .          | 12           | 8.2        | 12           | 9.3        | 17           | 18.8       | 17           | 16.2       | 11           | 6.6        | 13           | 8.8        | 18           | 14.8       | 20           | 16.6       |
| 70   | 61066       | 562          | -75        | .          | 12           | 5.7        | 14           | 11.4       | 16           | 25.8       | 14           | 10.2       | 13           | 9.6        | 17           | 11.6       | 20           | 14.8       | 17           | 10.0       |
| 50   | 67547       | 40           | -66        | .          | 15           | 4.5        | 16           | 14.3       | 19           | 20.4       | 12           | 7.9        | 13           | 6.1        | 17           | 15.3       | 21           | 19.9       | 24           | 11.1       |
| 30   | 77820       | -424         | -58        | .          | 13           | 5.4        | 23           | 11.1       | 28           | 28.7       | 20           | 7.2        | 12           | 4.5        | 20           | 11.2       | 25           | 20.3       | 34           | 11.1       |
| 20   | 86404       | -477         | -53        | .          | 13           | 3.6        | 10           | 2.0        | 11           | 6.5        | 7            | 6.7        | 5            | 3.5        | 13           | 4.9        | 17           | 13.0       | 26           | 9.1        |
| 10   | 101372      | -513         | -45        | .          | 26           | 7.4        | 20           | 4.1        | 23           | 13.2       | 15           | 13.5       | 10           | 7.0        | 26           | 9.9        | 33           | 26.1       | 52           | 18.3       |

JAN Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 14         | 11                | 0.6             | 10                 | 42.5             | 10                | 54.5            | 10                 | 2.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 353         | -11          | 26         | 17         | 11                | 1.2             | 12                 | 31.6             | 13                | 62.9            | 10                 | 4.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4957        | 177          | 17         | 11         | 16                | 1.1             | 17                 | 44.6             | 16                | 51.1            | 13                 | 3.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10319       | 437          | 9          | -20        | 8                 | 4.5             | 13                 | 35.1             | 15                | 44.0            | 12                 | 13.3             | 9                 | 2.2             | 0                  | 0.0              | 2                 | 0.1             | 4                  | 0.4              |
| 500         | 19234       | 945          | -6         | -20        | 10                | 6.6             | 14                 | 18.7             | 19                | 51.4            | 12                 | 9.9              | 9                 | 3.3             | 8                  | 2.4              | 10                | 3.5             | 10                 | 3.2              |
| 400         | 24860       | 1286         | -16        | -31        | 13                | 9.9             | 17                 | 21.9             | 21                | 36.6            | 16                 | 9.9              | 10                | 3.8             | 13                 | 4.1              | 13                | 6.4             | 13                 | 6.9              |
| 300         | 31758       | 1693         | -32        | -46        | 15                | 13.0            | 17                 | 14.6             | 18                | 24.8            | 14                 | 9.9              | 12                | 5.9             | 15                 | 6.7              | 17                | 12.4            | 16                 | 12.0             |
| 250         | 35897       | 1898         | -42        | .          | 16                | 9.9             | 19                 | 11.9             | 17                | 14.5            | 17                 | 14.3             | 15                | 6.9             | 16                 | 10.6             | 19                | 15.4            | 20                 | 15.4             |
| 200         | 40741       | 2079         | -54        | .          | 15                | 7.0             | 17                 | 6.7              | 19                | 10.9            | 22                 | 19.1             | 15                | 9.3             | 14                 | 10.1             | 23                | 20.4            | 22                 | 15.8             |
| 150         | 46629       | 1982         | -68        | .          | 15                | 8.7             | 15                 | 6.1              | 22                | 15.1            | 23                 | 14.9             | 14                | 7.4             | 14                 | 8.2              | 22                | 20.9            | 26                 | 18.2             |
| 100         | 54381       | 1298         | -77        | .          | 11                | 6.7             | 12                 | 11.4             | 19                | 16.6            | 20                 | 15.4             | 11                | 7.5             | 15                 | 9.6              | 18                | 17.5            | 19                 | 14.3             |
| 70          | 61073       | 569          | -75        | .          | 12                | 5.5             | 15                 | 13.6             | 18                | 24.3            | 13                 | 12.5             | 13                | 8.0             | 20                 | 12.5             | 21                | 15.0            | 14                 | 7.7              |
| 50          | 67549       | 42           | -66        | .          | 12                | 4.5             | 18                 | 11.9             | 19                | 21.9            | 12                 | 9.5              | 13                | 5.8             | 20                 | 15.4             | 21                | 21.4            | 21                 | 9.0              |
| 30          | 77810       | -434         | -58        | .          | 23                | 2.9             | 23                 | 11.9             | 29                | 31.7            | 17                 | 6.7              | 11                | 4.6             | 19                 | 12.2             | 26                | 21.6            | 31                 | 7.9              |
| 20          | 86390       | -491         | -53        | .          | 18                | 3.3             | 10                 | 4.1              | 11                | 7.6             | 7                  | 6.7              | 6                 | 3.8             | 14                 | 5.1              | 16                | 13.1            | 25                 | 5.5              |
| 10          | 101366      | -519         | -45        | .          | 36                | 6.7             | 19                 | 8.3              | 22                | 15.4            | 14                 | 13.5             | 11                | 7.7             | 29                 | 10.3             | 33                | 26.4            | 51                 | 11.2             |

JAN Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 21         | 18                | 12.5            | 16                 | 82.9             | 12                | 4.5             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 356         | -8           | 24         | 20         | 17                | 6.1             | 16                 | 70.4             | 13                | 22.7            | 8                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4956        | 176          | 16         | 9          | 20                | 0.8             | 20                 | 58.8             | 18                | 35.9            | 16                 | 4.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10313       | 431          | 10         | -2         | 9                 | 3.0             | 12                 | 24.0             | 15                | 54.1            | 13                 | 16.4             | 10                | 1.4             | 3                  | 0.1              | 0                 | 0.0             | 4                  | 0.4              |
| 500         | 19232       | 943          | -5         | -20        | 10                | 5.9             | 16                 | 19.9             | 19                | 49.1            | 12                 | 10.8             | 10                | 4.5             | 11                 | 2.2              | 9                 | 3.7             | 10                 | 3.0              |
| 400         | 24861       | 1287         | -16        | -31        | 13                | 8.7             | 18                 | 21.2             | 22                | 36.9            | 14                 | 8.7              | 13                | 5.1             | 12                 | 4.8              | 13                | 7.4             | 11                 | 6.4              |
| 300         | 31765       | 1700         | -32        | -46        | 15                | 12.2            | 18                 | 15.9             | 19                | 23.3            | 15                 | 9.6              | 15                | 5.6             | 17                 | 8.7              | 17                | 13.5            | 16                 | 10.3             |
| 250         | 35901       | 1902         | -42        | .          | 18                | 7.9             | 19                 | 12.7             | 19                | 13.8            | 17                 | 13.7             | 17                | 8.3             | 18                 | 12.0             | 20                | 15.6            | 20                 | 15.4             |
| 200         | 40743       | 2081         | -54        | .          | 16                | 5.3             | 18                 | 8.3              | 20                | 14.8            | 19                 | 17.0             | 17                | 9.3             | 17                 | 9.3              | 25                | 20.1            | 24                 | 15.4             |
| 150         | 46630       | 1983         | -68        | .          | 17                | 6.4             | 17                 | 6.6              | 21                | 16.9            | 21                 | 16.6             | 16                | 6.7             | 16                 | 7.9              | 25                | 21.4            | 22                 | 17.0             |
| 100         | 54388       | 1305         | -77        | .          | 11                | 5.6             | 14                 | 10.9             | 20                | 18.7            | 20                 | 14.8             | 15                | 7.0             | 16                 | 9.0              | 18                | 21.7            | 16                 | 11.6             |
| 70          | 61082       | 578          | -75        | .          | 10                | 5.9             | 16                 | 15.0             | 18                | 27.4            | 12                 | 10.7             | 12                | 5.3             | 19                 | 13.2             | 21                | 14.6            | 13                 | 7.1              |
| 50          | 67549       | 42           | -66        | .          | 12                | 3.7             | 18                 | 12.2             | 20                | 23.5            | 12                 | 10.3             | 9                 | 4.8             | 20                 | 13.2             | 21                | 23.3            | 15                 | 8.3              |
| 30          | 77784       | -460         | -58        | .          | 17                | 3.8             | 24                 | 9.1              | 30                | 37.0            | 15                 | 5.8              | 10                | 3.3             | 18                 | 10.8             | 26                | 23.7            | 24                 | 5.9              |
| 20          | 86357       | -524         | -53        | .          | 19                | 2.8             | 12                 | 4.0              | 11                | 10.1            | 7                  | 8.5              | 6                 | 1.7             | 14                 | 5.2              | 16                | 11.8            | 17                 | 5.1              |
| 10          | 101358      | -527         | -45        | .          | 37                | 5.8             | 24                 | 8.0              | 22                | 20.3            | 14                 | 17.0             | 12                | 3.5             | 28                 | 10.6             | 32                | 23.8            | 34                 | 10.3             |

JAN Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 17                | 16.1            | 14                 | 82.5             | 12                | 1.2             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 349         | -16          | 24         | 21         | 19                | 12.5            | 17                 | 77.7             | 14                | 9.5             | 12                 | 0.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4954        | 174          | 16         | 9          | 16                | 0.1             | 18                 | 42.7             | 18                | 53.2            | 19                 | 3.8              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10311       | 429          | 10         | -3         | 9                 | 2.5             | 12                 | 23.5             | 14                | 49.8            | 13                 | 20.4             | 6                 | 2.0             | 3                  | 0.3              | 3                 | 0.4             | 5                  | 0.6              |
| 500         | 19231       | 942          | -5         | -19        | 10                | 6.9             | 16                 | 20.1             | 19                | 47.7            | 12                 | 9.6              | 10                | 5.6             | 10                 | 2.9              | 9                 | 3.8             | 8                  | 2.9              |
| 400         | 24862       | 1288         | -16        | -31        | 10                | 6.7             | 17                 | 22.7             | 22                | 35.8            | 13                 | 7.5              | 13                | 4.5             | 12                 | 6.1              | 11                | 8.8             | 12                 | 7.2              |
| 300         | 31769       | 1704         | -32        | -45        | 14                | 10.9            | 17                 | 18.0             | 20                | 23.5            | 15                 | 6.9              | 15                | 5.3             | 18                 | 11.2             | 18                | 14.0            | 15                 | 9.8              |
| 250         | 35902       | 1903         | -42        | .          | 17                | 8.5             | 18                 | 11.6             | 18                | 18.8            | 16                 | 9.5              | 19                | 9.0             | 20                 | 11.6             | 22                | 18.0            | 19                 | 12.7             |
| 200         | 40744       | 2082         | -54        | .          | 19                | 5.6             | 19                 | 8.3              | 19                | 19.1            | 20                 | 12.0             | 19                | 9.1             | 21                 | 11.7             | 27                | 18.7            | 23                 | 14.9             |
| 150         | 46628       | 1981         | -68        | .          | 17                | 6.7             | 17                 | 8.2              | 20                | 19.6            | 22                 | 14.1             | 17                | 6.2             | 19                 | 9.1              | 26                | 22.5            | 20                 | 12.9             |
| 100         | 54389       | 1306         | -77        | .          | 13                | 5.9             | 15                 | 10.6             | 20                | 21.1            | 22                 | 14.1             | 17                | 6.4             | 17                 | 10.4             | 18                | 22.7            | 14                 | 8.3              |
| 70          | 61083       | 579          | -75        | .          | 10                | 7.8             | 16                 | 15.0             | 18                | 29.3            | 13                 | 9.1              | 10                | 3.9             | 19                 | 11.8             | 20                | 17.0            | 11                 | 5.1              |
| 50          | 67550       | 43           | -66        | .          | 11                | 4.9             | 17                 | 11.4             | 21                | 27.4            | 12                 | 8.5              | 9                 | 4.5             | 18                 | 11.1             | 21                | 25.1            | 12                 | 6.6              |
| 30          | 77774       | -470         | -58        | .          | 15                | 4.3             | 24                 | 10.3             | 31                | 38.5            | 14                 | 5.3              | 9                 | 2.7             | 17                 | 8.8              | 26                | 25.3            | 15                 | 4.3              |
| 20          | 86347       | -534         | -53        | .          | 10                | 3.6             | 11                 | 5.1              | 12                | 11.0            | 8                  | 7.6              | 3                 | 1.4             | 13                 | 6.0              | 16                | 11.5            | 12                 | 2.8              |
| 10          | 101341      | -544         | -45        | .          | 20                | 7.4             | 22                 | 10.3             | 24                | 22.2            | 16                 | 15.4             | 7                 | 2.9             | 26                 | 12.2             | 33                | 23.2            | 24                 | 5.8              |

JAN Latitude=10.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 20         | 12         | 8                 | 4.8             | 6                  | 36.4             | 5                 | 44.1            | 5                  | 13.5             | 5                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 394         | 30           | 26         | 20         | 9                 | 6.2             | 9                  | 34.9             | 8                 | 42.2            | 11                 | 14.5             | 11                | 1.6             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 0.3              |
| 850         | 4959        | 179          | 18         | 12         | 9                 | 5.1             | 9                  | 26.1             | 10                | 47.2            | 12                 | 19.6             | 12                | 0.9             | 0                  | 0.0              | 0                 | 0.0             | 6                  | 0.6              |
| 700         | 10337       | 455          | 9          | 0          | 5                 | 1.9             | 8                  | 10.6             | 11                | 35.8            | 11                 | 36.4             | 8                 | 9.6             | 5                  | 2.2              | 4                 | 1.2             | 3                  | 1.2              |
| 500         | 19247       | 958          | -6         | -21        | 10                | 6.7             | 11                 | 18.0             | 17                | 45.6            | 13                 | 13.8             | 8                 | 2.9             | 8                  | 2.7              | 9                 | 4.1             | 9                  | 5.1              |
| 400         | 24878       | 1304         | -17        | -31        | 13                | 11.7            | 13                 | 16.7             | 17                | 32.5            | 17                 | 13.5             | 11                | 3.3             | 14                 | 3.8              | 14                | 7.2             | 15                 | 10.8             |
| 300         | 31755       | 1690         | -32        | -46        | 16                | 13.2            | 16                 | 13.0             | 16                | 15.8            | 15                 | 11.9             | 13                | 5.3             | 17                 | 6.9              | 20                | 14.1            | 21                 | 19.3             |
| 250         | 35901       | 1902         | -42        | .          | 18                | 9.1             | 17                 | 9.6              | 16                | 9.8             | 16                 | 11.2             | 14                | 9.1             | 18                 | 10.3             | 24                | 20.6            | 24                 | 19.5             |
| 200         | 40747       | 2085         | -54        | .          | 16                | 9.0             | 17                 | 7.0              | 17                | 6.6             | 20                 | 11.7             | 17                | 10.1            | 19                 | 9.3              | 27                | 26.6            | 24                 | 19.0             |
| 150         | 46645       | 1998         | -68        | .          | 17                | 8.2             | 16                 | 5.6              | 16                | 6.7             | 20                 | 13.5             | 14                | 8.7             | 14                 | 9.9              | 26                | 24.8            | 25                 | 22.2             |
| 100         | 54382       | 1299         | -77        | .          | 12                | 7.9             | 12                 | 8.7              | 15                | 12.5            | 16                 | 16.1             | 14                | 8.3             | 10                 | 6.1              | 19                | 19.3            | 20                 | 20.4             |
| 70          | 61072       | 568          | -75        | .          | 12                | 9.4             | 13                 | 10.9             | 15                | 22.5            | 14                 | 14.8             | 11                | 8.0             | 10                 | 5.9              | 17                | 12.9            | 17                 | 14.3             |
| 50          | 67558       | 51           | -66        | .          | 15                | 9.3             | 14                 | 13.7             | 17                | 22.9            | 14                 | 10.3             | 11                | 4.8             | 13                 | 9.3              | 18                | 12.9            | 21                 | 16.1             |
| 30          | 77849       | -395         | -57        | .          | 15                | 7.9             | 18                 | 11.1             | 23                | 29.3            | 18                 | 10.8             | 12                | 4.1             | 15                 | 4.8              | 20                | 13.8            | 26                 | 17.7             |
| 20          | 86437       | -444         | -53        | .          | 10                | 2.3             | 15                 | 2.0              | 10                | 5.1             | 8                  | 3.8              | 5                 | 3.1             | 10                 | 6.8              | 14                | 14.3            | 20                 | 11.8             |
| 10          | 101402      | -483         | -45        | .          | 21                | 4.8             | 29                 | 4.1              | 19                | 10.3            | 17                 | 7.7              | 10                | 6.4             | 20                 | 13.8             | 28                | 28.7            | 39                 | 23.8             |

JAN Latitude=10.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 22         | 13         | 8                 | 47.0            | 6                  | 33.8             | 7                 | 17.4            | 3                  | 1.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.3              |
| 1000        | 390         | 26           | 25         | 19         | 12                | 28.2            | 10                 | 36.2             | 10                | 26.6            | 11                 | 5.4              | 10                | 0.3             | 0                  | 0.0              | 5                 | 0.1             | 4                  | 2.7              |
| 850         | 4970        | 190          | 17         | 11         | 10                | 6.9             | 11                 | 38.3             | 12                | 40.9            | 12                 | 12.0             | 8                 | 0.9             | 2                  | 0.1              | 0                 | 0.0             | 6                  | 0.4              |
| 700         | 10333       | 451          | 9          | -1         | 6                 | 4.5             | 10                 | 21.6             | 12                | 43.3            | 11                 | 21.1             | 7                 | 3.7             | 4                  | 1.4              | 3                 | 1.6             | 5                  | 1.4              |
| 500         | 19248       | 959          | -5         | -21        | 11                | 8.2             | 11                 | 17.5             | 17                | 44.8            | 14                 | 12.0             | 9                 | 2.9             | 8                  | 2.9              | 10                | 4.5             | 11                 | 6.4              |
| 400         | 24872       | 1298         | -17        | -32        | 14                | 10.8            | 13                 | 17.4             | 17                | 31.1            | 17                 | 12.4             | 9                 | 3.8             | 15                 | 3.3              | 13                | 8.0             | 16                 | 12.4             |
| 300         | 31758       | 1693         | -32        | -47        | 15                | 12.2            | 15                 | 13.2             | 16                | 18.2            | 15                 | 10.3             | 13                | 4.5             | 19                 | 7.0              | 20                | 13.7            | 22                 | 20.1             |
| 250         | 35896       | 1897         | -42        | .          | 16                | 8.3             | 17                 | 8.8              | 14                | 10.8            | 18                 | 9.9              | 15                | 9.6             | 19                 | 10.6             | 24                | 19.0            | 24                 | 22.0             |
| 200         | 40739       | 2077         | -54        | .          | 16                | 8.0             | 15                 | 5.4              | 16                | 6.7             | 20                 | 12.7             | 16                | 11.4            | 18                 | 8.2              | 27                | 25.6            | 24                 | 21.2             |
| 150         | 46630       | 1983         | -68        | .          | 16                | 7.5             | 15                 | 4.6              | 16                | 6.9             | 20                 | 15.9             | 15                | 8.3             | 14                 | 8.8              | 25                | 25.8            | 26                 | 21.6             |
| 100         | 54383       | 1300         | -77        | .          | 10                | 8.0             | 10                 | 7.9              | 15                | 14.1            | 16                 | 15.1             | 13                | 8.2             | 10                 | 8.5              | 19                | 17.4            | 20                 | 19.8             |
| 70          | 61074       | 570          | -75        | .          | 12                | 7.7             | 14                 | 10.5             | 15                | 23.4            | 15                 | 14.8             | 12                | 10.2            | 14                 | 6.6              | 18                | 14.1            | 15                 | 11.6             |
| 50          | 67546       | 39           | -66        | .          | 14                | 7.4             | 15                 | 11.2             | 17                | 22.5            | 14                 | 12.7             | 14                | 5.3             | 15                 | 12.4             | 18                | 14.9            | 18                 | 12.7             |
| 30          | 77801       | -443         | -57        | .          | 18                | 4.0             | 18                 | 9.5              | 24                | 31.7            | 19                 | 10.4             | 13                | 5.3             | 15                 | 10.3             | 21                | 15.4            | 22                 | 13.0             |
| 20          | 86381       | -500         | -53        | .          | 16                | 3.0             | 13                 | 2.2              | 10                | 4.6             | 10                 | 5.2              | 6                 | 5.4             | 10                 | 8.5              | 15                | 12.6            | 17                 | 7.8              |
| 10          | 101384      | -501         | -45        | .          | 31                | 6.1             | 27                 | 4.5              | 20                | 9.3             | 20                 | 10.6             | 13                | 10.9            | 20                 | 17.0             | 30                | 25.4            | 35                 | 15.8             |

JAN Latitude=10.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 21         | 13         | 9                 | 2.9             | 9                  | 64.5             | 7                 | 31.2            | 4                  | 1.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 401         | 37           | 26         | 19         | 10                | 4.6             | 11                 | 52.4             | 10                | 37.7            | 8                  | 5.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4972        | 192          | 17         | 12         | 9                 | 1.7             | 14                 | 35.6             | 13                | 51.4            | 13                 | 10.1             | 8                 | 0.6             | 0                  | 0.0              | 2                 | 0.1             | 0                  | 0.0              |
| 700         | 10330       | 448          | 9          | -1         | 7                 | 4.8             | 11                 | 28.3             | 13                | 42.5            | 11                 | 16.4             | 7                 | 4.3             | 4                  | 1.1              | 7                 | 0.3             | 7                  | 1.1              |
| 500         | 19248       | 959          | -6         | -21        | 11                | 8.3             | 13                 | 16.7             | 18                | 40.9            | 13                 | 12.9             | 10                | 3.2             | 10                 | 3.8              | 10                | 4.8             | 11                 | 8.5              |
| 400         | 24870       | 1296         | -17        | -32        | 14                | 9.0             | 14                 | 17.4             | 20                | 27.7            | 16                 | 13.3             | 12                | 3.7             | 14                 | 5.6              | 14                | 9.8             | 15                 | 12.7             |
| 300         | 31753       | 1688         | -32        | -47        | 16                | 10.1            | 17                 | 13.0             | 16                | 17.5            | 14                 | 10.1             | 11                | 4.9             | 19                 | 8.2              | 21                | 14.0            | 21                 | 21.6             |
| 250         | 35896       | 1897         | -42        | .          | 18                | 8.3             | 17                 | 9.1              | 15                | 8.8             | 17                 | 10.1             | 12                | 9.3             | 19                 | 12.4             | 23                | 19.8            | 24                 | 21.6             |
| 200         | 40740       | 2078         | -54        | .          | 16                | 7.7             | 15                 | 5.1              | 16                | 7.2             | 18                 | 14.9             | 15                | 10.6            | 18                 | 9.0              | 27                | 26.4            | 26                 | 18.3             |
| 150         | 46629       | 1982         | -68        | .          | 15                | 7.7             | 13                 | 3.7              | 15                | 9.8             | 21                 | 15.6             | 15                | 7.9             | 13                 | 9.8              | 25                | 24.5            | 27                 | 20.6             |
| 100         | 54384       | 1301         | -77        | .          | 11                | 6.4             | 12                 | 9.5              | 16                | 13.7            | 17                 | 13.0             | 13                | 9.8             | 13                 | 10.8             | 19                | 20.1            | 19                 | 15.4             |
| 70          | 61079       | 575          | -75        | .          | 12                | 6.2             | 14                 | 12.7             | 17                | 23.6            | 16                 | 15.4             | 13                | 9.1             | 16                 | 10.5             | 20                | 12.9            | 13                 | 9.3              |
| 50          | 67549       | 42           | -66        | .          | 14                | 5.1             | 17                 | 10.4             | 18                | 24.3            | 13                 | 14.0             | 13                | 7.0             | 18                 | 13.2             | 20                | 15.9            | 14                 | 9.3              |
| 30          | 77790       | -454         | -57        | .          | 20                | 4.1             | 21                 | 7.9              | 25                | 34.0            | 19                 | 11.7             | 11                | 5.1             | 18                 | 10.6             | 22                | 18.3            | 17                 | 7.7              |
| 20          | 86370       | -511         | -53        | .          | 16                | 4.5             | 12                 | 3.1              | 11                | 5.1             | 11                 | 5.1              | 6                 | 6.8             | 11                 | 8.8              | 14                | 12.6            | 14                 | 3.3              |
| 10          | 101384      | -501         | -45        | .          | 32                | 9.0             | 24                 | 6.4              | 23                | 10.3            | 22                 | 10.3             | 13                | 13.8            | 23                 | 17.7             | 28                | 25.4            | 29                 | 6.7              |

JAN Latitude=10.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 23         | 16         | 10                | 13.8            | 10                 | 69.6             | 11                | 16.1            | 5                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 392         | 28           | 25         | 19         | 12                | 10.8            | 12                 | 52.9             | 12                | 32.9            | 10                 | 2.9              | 4                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 11                 | 0.1              |
| 850         | 4978        | 198          | 16         | 10         | 18                | 3.5             | 16                 | 47.7             | 14                | 39.0            | 14                 | 9.1              | 6                 | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10326       | 444          | 9          | -4         | 9                 | 3.8             | 12                 | 29.5             | 14                | 44.3            | 11                 | 14.6             | 8                 | 3.8             | 5                  | 1.9              | 2                 | 0.4             | 4                  | 1.1              |
| 500         | 19244       | 955          | -5         | -21        | 10                | 10.3            | 16                 | 18.2             | 18                | 35.8            | 13                 | 11.2             | 9                 | 4.5             | 11                 | 5.3              | 11                | 6.9             | 10                 | 7.0              |
| 400         | 24866       | 1292         | -17        | -32        | 13                | 7.7             | 17                 | 19.5             | 21                | 25.0            | 16                 | 11.2             | 15                | 4.5             | 14                 | 6.9              | 15                | 10.9            | 15                 | 13.0             |
| 300         | 31758       | 1693         | -32        | -47        | 17                | 10.9            | 19                 | 13.2             | 16                | 15.8            | 15                 | 8.5              | 13                | 4.6             | 18                 | 10.9             | 21                | 17.0            | 19                 | 18.3             |
| 250         | 35894       | 1895         | -42        | .          | 20                | 8.7             | 19                 | 8.7              | 16                | 9.0             | 17                 | 8.5              | 15                | 9.8             | 19                 | 14.3             | 24                | 21.4            | 24                 | 19.3             |
| 200         | 40735       | 2073         | -54        | .          | 17                | 6.6             | 15                 | 4.5              | 15                | 9.0             | 18                 | 14.9             | 17                | 10.8            | 18                 | 12.0             | 29                | 23.5            | 27                 | 18.3             |
| 150         | 46623       | 1976         | -68        | .          | 16                | 5.9             | 13                 | 4.9              | 18                | 8.0             | 20                 | 16.1             | 15                | 8.2             | 14                 | 10.4             | 28                | 25.9            | 24                 | 19.9             |
| 100         | 54383       | 1300         | -77        | .          | 10                | 8.0             | 13                 | 10.8             | 17                | 12.2            | 19                 | 14.9             | 13                | 8.0             | 14                 | 10.1             | 20                | 24.0            | 17                 | 11.4             |
| 70          | 61082       | 578          | -75        | .          | 11                | 6.8             | 13                 | 13.7             | 18                | 25.6            | 15                 | 15.9             | 13                | 5.1             | 17                 | 10.5             | 19                | 15.9            | 13                 | 5.9              |
| 50          | 67548       | 41           | -66        | .          | 12                | 5.3             | 16                 | 9.9              | 19                | 27.2            | 14                 | 14.1             | 11                | 5.9             | 18                 | 13.0             | 20                | 18.0            | 10                 | 5.8              |
| 30          | 77782       | -462         | -58        | .          | 19                | 3.0             | 19                 | 8.3              | 27                | 38.8            | 17                 | 9.1              | 10                | 4.8             | 17                 | 10.4             | 22                | 20.9            | 15                 | 4.1              |
| 20          | 86358       | -523         | -53        | .          | 12                | 3.1             | 15                 | 4.3              | 11                | 7.6             | 9                  | 5.9              | 6                 | 5.2             | 12                 | 8.0              | 14                | 12.2            | 9                  | 2.8              |
| 10          | 101369      | -516         | -45        | .          | 23                | 6.4             | 30                 | 8.7              | 22                | 15.4            | 17                 | 11.9             | 11                | 10.6            | 24                 | 16.1             | 28                | 24.5            | 18                 | 5.8              |

JAN Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 22         | 16                | 14.8            | 13                 | 81.9             | 11                | 3.2             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 376         | 12           | 24         | 20         | 18                | 9.0             | 16                 | 73.2             | 13                | 16.1            | 11                 | 1.2              | 7                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4972        | 192          | 16         | 7          | 11                | 1.6             | 16                 | 43.7             | 15                | 42.7            | 14                 | 11.4             | 10                | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10323       | 441          | 10         | -5         | 9                 | 5.4             | 12                 | 26.2             | 14                | 42.4            | 10                 | 17.0             | 8                 | 4.9             | 6                  | 1.1              | 6                 | 0.4             | 4                  | 1.6              |
| 500         | 19241       | 952          | -5         | -21        | 11                | 7.9             | 18                 | 22.4             | 19                | 32.2            | 12                 | 9.5              | 9                 | 4.9             | 11                 | 6.6              | 10                | 7.7             | 10                 | 7.9              |
| 400         | 24869       | 1295         | -17        | -32        | 13                | 9.5             | 19                 | 19.1             | 19                | 24.5            | 16                 | 8.0              | 14                | 4.1             | 13                 | 8.3              | 16                | 14.0            | 14                 | 12.0             |
| 300         | 31766       | 1701         | -32        | -47        | 19                | 9.6             | 17                 | 14.9             | 16                | 14.8            | 15                 | 6.9              | 17                | 4.6             | 21                 | 13.3             | 21                | 19.6            | 16                 | 15.8             |
| 250         | 35896       | 1897         | -42        | .          | 21                | 8.5             | 17                 | 9.6              | 15                | 10.9            | 17                 | 8.3              | 20                | 6.7             | 22                 | 15.9             | 24                | 23.8            | 24                 | 15.6             |
| 200         | 40735       | 2073         | -54        | .          | 18                | 5.9             | 15                 | 5.6              | 17                | 11.2            | 19                 | 10.9             | 18                | 9.1             | 19                 | 15.9             | 30                | 24.1            | 28                 | 16.6             |
| 150         | 46622       | 1975         | -68        | .          | 15                | 5.4             | 13                 | 5.8              | 16                | 10.4            | 21                 | 14.3             | 16                | 7.7             | 17                 | 10.9             | 28                | 26.6            | 23                 | 18.5             |
| 100         | 54387       | 1304         | -77        | .          | 12                | 7.2             | 14                 | 10.4             | 19                | 13.7            | 18                 | 14.5             | 14                | 7.2             | 16                 | 11.2             | 21                | 25.1            | 15                 | 10.3             |
| 70          | 61088       | 584          | -75        | .          | 11                | 6.0             | 14                 | 14.8             | 18                | 30.4            | 14                 | 10.3             | 10                | 5.3             | 19                 | 10.9             | 20                | 15.4            | 12                 | 6.2              |
| 50          | 67553       | 46           | -66        | .          | 10                | 4.8             | 14                 | 12.9             | 20                | 30.8            | 14                 | 9.0              | 9                 | 5.6             | 17                 | 13.3             | 21                | 17.0            | 12                 | 5.4              |
| 30          | 77783       | -461         | -58        | .          | 11                | 3.7             | 20                 | 9.8              | 28                | 39.9            | 15                 | 6.7              | 10                | 4.1             | 18                 | 12.2             | 23                | 18.2            | 16                 | 4.3              |
| 20          | 86356       | -525         | -53        | .          | 7                 | 2.6             | 11                 | 6.5              | 12                | 8.1             | 7                  | 6.0              | 6                 | 4.3             | 13                 | 8.6              | 15                | 10.4            | 9                  | 2.6              |
| 10          | 101355      | -530         | -45        | .          | 14                | 5.4             | 23                 | 13.2             | 24                | 16.4            | 15                 | 12.2             | 12                | 8.7             | 25                 | 17.4             | 31                | 20.9            | 19                 | 5.4              |

JAN Latitude=12.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 23  | 15  | 6     | 2.5  | 4     | 2.9  | 7     | 17.7 | 9     | 74.1 |
| 1000 | 374    | 10   | 25  | 18  | 7     | 2.0  | 5     | 2.0  | 10    | 17.0 | 14    | 75.1 |
| 850  | 4972   | 192  | 17  | 10  | 8     | 1.2  | 6     | 1.4  | 15    | 12.2 | 18    | 81.9 |
| 700  | 10343  | 461  | 10  | -4  | 4     | 2.2  | 6     | 6.2  | 11    | 28.5 | 10    | 35.6 |
| 500  | 19256  | 967  | -6  | -23 | 11    | 9.5  | 11    | 12.7 | 13    | 14.5 | 14    | 28.0 |
| 400  | 24873  | 1299 | -17 | -32 | 13    | 12.7 | 11    | 11.6 | 13    | 14.5 | 14    | 13.5 |
| 300  | 31759  | 1694 | -32 | -47 | 16    | 8.2  | 14    | 8.2  | 12    | 7.0  | 12    | 5.6  |
| 250  | 35890  | 1891 | -42 | .   | 20    | 7.4  | 17    | 5.8  | 11    | 5.4  | 12    | 3.5  |
| 200  | 40731  | 2069 | -54 | .   | 19    | 5.3  | 17    | 3.2  | 13    | 4.0  | 14    | 3.8  |
| 150  | 46626  | 1979 | -68 | .   | 17    | 5.8  | 16    | 3.2  | 16    | 2.2  | 15    | 6.6  |
| 100  | 54390  | 1307 | -77 | .   | 12    | 7.7  | 13    | 5.8  | 13    | 7.2  | 12    | 9.6  |
| 70   | 61091  | 587  | -75 | .   | 10    | 8.0  | 12    | 10.5 | 13    | 14.6 | 12    | 18.6 |
| 50   | 67555  | 48   | -66 | .   | 15    | 12.0 | 13    | 8.0  | 16    | 24.3 | 13    | 11.2 |
| 30   | 77839  | -405 | -57 | .   | 15    | 7.7  | 16    | 8.2  | 22    | 30.6 | 17    | 14.5 |
| 20   | 86415  | -466 | -53 | .   | 10    | 2.6  | 10    | 1.7  | 18    | 9.0  | 8     | 3.8  |
| 10   | 101403 | -482 | -46 | .   | 21    | 5.4  | 19    | 3.5  | 37    | 18.0 | 17    | 7.7  |

JAN Latitude=12.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 23  | 19  | 0     | 0.0  | 12    | 29.3 | 12    | 59.3 | 10    | 10.6 |
| 1000 | 402    | 38   | 24  | 19  | 6     | 0.1  | 15    | 11.9 | 14    | 58.0 | 12    | 29.1 |
| 850  | 4983   | 203  | 16  | 8   | 5     | 0.4  | 12    | 2.9  | 15    | 70.3 | 13    | 22.9 |
| 700  | 10341  | 459  | 10  | -5  | 7     | 6.9  | 10    | 23.2 | 11    | 35.6 | 10    | 15.3 |
| 500  | 19256  | 967  | -6  | -23 | 10    | 11.6 | 10    | 13.5 | 15    | 26.4 | 14    | 13.3 |
| 400  | 24875  | 1301 | -17 | -33 | 13    | 13.5 | 11    | 10.9 | 13    | 11.1 | 14    | 15.3 |
| 300  | 31759  | 1694 | -33 | -48 | 15    | 8.8  | 17    | 6.2  | 12    | 5.3  | 11    | 7.9  |
| 250  | 35885  | 1886 | -43 | .   | 19    | 7.7  | 17    | 5.1  | 14    | 4.0  | 12    | 5.8  |
| 200  | 40720  | 2058 | -54 | .   | 17    | 5.8  | 16    | 2.9  | 14    | 4.9  | 13    | 3.8  |
| 150  | 46612  | 1965 | -67 | .   | 16    | 5.6  | 14    | 3.7  | 14    | 4.0  | 17    | 7.0  |
| 100  | 54385  | 1302 | -77 | .   | 13    | 4.9  | 11    | 5.8  | 12    | 7.2  | 13    | 10.3 |
| 70   | 61084  | 580  | -75 | .   | 10    | 9.1  | 13    | 8.6  | 13    | 12.3 | 13    | 20.7 |
| 50   | 67541  | 34   | -67 | .   | 11    | 8.2  | 13    | 9.1  | 16    | 22.4 | 13    | 16.4 |
| 30   | 77797  | -447 | -57 | .   | 15    | 5.4  | 16    | 8.5  | 22    | 30.6 | 17    | 17.0 |
| 20   | 86373  | -508 | -53 | .   | 11    | 3.6  | 14    | 2.6  | 17    | 8.3  | 12    | 3.8  |
| 10   | 101387 | -498 | -46 | .   | 22    | 7.4  | 29    | 5.4  | 34    | 16.7 | 24    | 7.7  |

JAN Latitude=12.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 24  | 20  | 0     | 0.0  | 12    | 36.7 | 12    | 62.9 | 10    | 0.3  |
| 1000 | 402    | 38   | 24  | 19  | 7     | 0.6  | 13    | 29.0 | 14    | 65.4 | 6     | 4.1  |
| 850  | 4989   | 209  | 16  | 6   | 6     | 0.6  | 15    | 16.7 | 14    | 61.4 | 11    | 17.0 |
| 700  | 10340  | 458  | 9   | -6  | 7     | 9.0  | 10    | 23.5 | 12    | 32.9 | 10    | 14.0 |
| 500  | 19251  | 962  | -6  | -24 | 11    | 9.6  | 13    | 14.5 | 15    | 26.1 | 14    | 13.7 |
| 400  | 24872  | 1298 | -17 | -34 | 11    | 12.9 | 12    | 12.0 | 15    | 11.7 | 15    | 13.5 |
| 300  | 31761  | 1696 | -33 | -49 | 15    | 9.3  | 14    | 6.6  | 11    | 7.2  | 12    | 5.6  |
| 250  | 35884  | 1885 | -42 | .   | 21    | 6.7  | 15    | 4.6  | 13    | 4.0  | 15    | 5.1  |
| 200  | 40718  | 2056 | -54 | .   | 17    | 5.8  | 13    | 2.9  | 15    | 3.5  | 18    | 8.0  |
| 150  | 46610  | 1963 | -67 | .   | 14    | 5.6  | 16    | 2.5  | 13    | 3.8  | 19    | 10.3 |
| 100  | 54386  | 1303 | -77 | .   | 12    | 6.7  | 12    | 3.8  | 13    | 7.0  | 14    | 12.0 |
| 70   | 61089  | 585  | -75 | .   | 11    | 8.6  | 12    | 8.6  | 13    | 14.1 | 15    | 18.9 |
| 50   | 67543  | 36   | -67 | .   | 11    | 5.9  | 14    | 9.3  | 15    | 23.7 | 13    | 17.0 |
| 30   | 77785  | -459 | -57 | .   | 11    | 3.7  | 20    | 8.0  | 21    | 33.2 | 17    | 16.4 |
| 20   | 86358  | -523 | -53 | .   | 9     | 3.3  | 15    | 4.3  | 14    | 8.0  | 10    | 3.8  |
| 10   | 101382 | -503 | -46 | .   | 18    | 6.7  | 30    | 8.7  | 28    | 16.1 | 21    | 7.7  |

JAN Latitude=12.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 25  | 21  | 8     | 2.2  | 11    | 58.0 | 11    | 39.0 | 3     | 0.6  |
| 1000 | 404    | 40   | 24  | 18  | 8     | 1.9  | 13    | 54.3 | 12    | 40.1 | 7     | 2.9  |
| 850  | 4991   | 211  | 15  | 4   | 7     | 0.9  | 14    | 30.9 | 13    | 46.1 | 11    | 16.1 |
| 700  | 10337  | 455  | 9   | -7  | 8     | 12.4 | 11    | 23.0 | 13    | 30.6 | 11    | 11.4 |
| 500  | 19248  | 959  | -6  | -23 | 13    | 9.8  | 15    | 17.0 | 16    | 21.1 | 14    | 12.5 |
| 400  | 24870  | 1296 | -17 | -34 | 13    | 12.9 | 15    | 11.4 | 14    | 12.0 | 15    | 12.4 |
| 300  | 31761  | 1696 | -33 | -48 | 17    | 11.4 | 13    | 8.0  | 11    | 6.4  | 12    | 5.6  |
| 250  | 35884  | 1885 | -42 | .   | 22    | 8.0  | 14    | 4.6  | 13    | 3.5  | 15    | 5.8  |
| 200  | 40719  | 2057 | -54 | .   | 18    | 5.1  | 11    | 2.0  | 16    | 2.9  | 18    | 10.8 |
| 150  | 46612  | 1965 | -67 | .   | 14    | 4.5  | 13    | 2.0  | 13    | 3.3  | 20    | 11.2 |
| 100  | 54387  | 1304 | -77 | .   | 10    | 7.0  | 12    | 6.4  | 13    | 6.1  | 15    | 11.7 |
| 70   | 61095  | 591  | -75 | .   | 10    | 10.3 | 12    | 7.7  | 13    | 17.7 | 15    | 17.3 |
| 50   | 67554  | 47   | -66 | .   | 11    | 5.6  | 14    | 12.5 | 15    | 23.2 | 15    | 15.4 |
| 30   | 77794  | -450 | -57 | .   | 9     | 2.9  | 19    | 9.9  | 22    | 33.5 | 16    | 14.9 |
| 20   | 86366  | -515 | -53 | .   | 7     | 2.3  | 14    | 6.4  | 10    | 6.7  | 9     | 3.1  |
| 10   | 101384 | -501 | -46 | .   | 13    | 4.8  | 29    | 12.9 | 21    | 13.5 | 18    | 6.4  |

JAN Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 21         | 14                | 9.3             | 13                 | 78.7             | 10                | 11.9            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 401         | 37           | 24         | 19         | 14                | 6.1             | 15                 | 70.4             | 12                | 20.9            | 8                  | 1.7              | 10                | 0.4             | 3                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4987        | 207          | 16         | 4          | 13                | 1.7             | 14                 | 41.7             | 13                | 37.7            | 11                 | 13.3             | 9                 | 4.1             | 6                  | 0.4              | 3                 | 0.1             | 3                  | 0.3              |
| 700         | 10333       | 451          | 9          | -7         | 8                 | 13.7            | 11                 | 22.9             | 14                | 29.6            | 9                  | 9.8              | 8                 | 6.7             | 8                  | 5.6              | 6                 | 5.8             | 7                  | 5.1              |
| 500         | 19248       | 959          | -5         | -23        | 13                | 10.4            | 17                 | 18.5             | 17                | 18.8            | 13                 | 9.3              | 9                 | 4.0             | 13                 | 10.1             | 15                | 14.1            | 12                 | 14.1             |
| 400         | 24868       | 1294         | -17        | -33        | 15                | 11.9            | 16                 | 13.5             | 16                | 11.2            | 15                 | 9.1              | 11                | 4.5             | 20                 | 9.5              | 19                | 21.1            | 17                 | 18.2             |
| 300         | 31754       | 1689         | -33        | -48        | 18                | 11.7            | 13                 | 7.5              | 10                | 5.8             | 11                 | 6.7              | 12                | 4.3             | 24                 | 12.9             | 26                | 29.1            | 21                 | 21.6             |
| 250         | 35879       | 1880         | -42        | .          | 21                | 8.5             | 15                 | 4.5              | 12                | 4.6             | 13                 | 5.9              | 18                | 6.6             | 25                 | 14.9             | 30                | 32.2            | 25                 | 22.4             |
| 200         | 40715       | 2053         | -54        | .          | 17                | 5.8             | 11                 | 1.6              | 14                | 4.6             | 17                 | 8.3              | 16                | 8.7             | 24                 | 14.5             | 32                | 34.0            | 31                 | 22.0             |
| 150         | 46605       | 1958         | -67        | .          | 17                | 4.3             | 11                 | 0.8              | 15                | 3.5             | 19                 | 10.4             | 15                | 9.6             | 17                 | 13.3             | 29                | 36.1            | 28                 | 21.2             |
| 100         | 54382       | 1299         | -77        | .          | 13                | 7.9             | 12                 | 5.8              | 14                | 7.9             | 16                 | 10.9             | 13                | 8.8             | 16                 | 13.2             | 21                | 28.0            | 16                 | 16.7             |
| 70          | 61092       | 588          | -75        | .          | 11                | 10.7            | 11                 | 10.0             | 15                | 20.7            | 14                 | 14.5             | 13                | 5.3             | 15                 | 13.6             | 17                | 15.5            | 13                 | 8.6              |
| 50          | 67557       | 50           | -67        | .          | 11                | 6.4             | 13                 | 12.9             | 16                | 26.1            | 14                 | 11.2             | 12                | 7.5             | 16                 | 14.6             | 18                | 15.3            | 14                 | 5.3              |
| 30          | 77794       | -450         | -57        | .          | 12                | 4.6             | 18                 | 10.8             | 23                | 36.4            | 14                 | 9.8              | 10                | 5.8             | 17                 | 10.8             | 20                | 16.4            | 19                 | 5.1              |
| 20          | 86367       | -514         | -53        | .          | 9                 | 2.6             | 12                 | 6.2              | 12                | 5.4             | 8                  | 3.5              | 7                 | 4.9             | 11                 | 11.7             | 14                | 11.2            | 10                 | 3.5              |
| 10          | 101366      | -519         | -46        | .          | 19                | 5.4             | 24                 | 12.5             | 23                | 10.9            | 17                 | 7.0              | 15                | 9.9             | 21                 | 23.5             | 27                | 22.5            | 21                 | 7.0              |

FEB Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 10         | 6                 | 4.2             | 5                  | 14.8             | 5                 | 21.6            | 6                  | 50.3             | 6                 | 8.8             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 330         | -34          | 29         | 17         | 9                 | 2.8             | 7                  | 10.6             | 8                 | 25.6            | 9                  | 45.5             | 10                | 14.3            | 4                  | 0.3              | 0                 | 0.0             | 4                  | 0.1              |
| 850         | 4927        | 147          | 22         | 11         | 8                 | 2.1             | 8                  | 9.0              | 10                | 28.0            | 11                 | 45.7             | 11                | 13.9            | 3                  | 0.5              | 1                 | 0.1             | 0                  | 0.0              |
| 700         | 10330       | 448          | 9          | 2          | 8                 | 7.2             | 9                  | 27.5             | 11                | 25.7            | 11                 | 21.7             | 8                 | 7.4             | 5                  | 2.4              | 5                 | 3.0             | 5                  | 4.5              |
| 500         | 19235       | 946          | -6         | -19        | 7                 | 7.5             | 12                 | 18.9             | 18                | 44.1            | 12                 | 10.6             | 7                 | 3.7             | 6                  | 3.5              | 8                 | 3.5             | 7                  | 7.4              |
| 400         | 24860       | 1286         | -17        | -31        | 12                | 10.4            | 17                 | 15.5             | 22                | 35.8            | 14                 | 12.0             | 11                | 4.0             | 12                 | 3.7              | 11                | 9.3             | 12                 | 8.6              |
| 300         | 31744       | 1679         | -32        | -46        | 17                | 14.1            | 17                 | 13.9             | 18                | 22.7            | 16                 | 10.6             | 11                | 4.4             | 13                 | 7.5              | 19                | 11.8            | 16                 | 13.9             |
| 250         | 35891       | 1892         | -42        | .          | 16                | 13.2            | 15                 | 12.7             | 16                | 15.3            | 15                 | 9.5              | 12                | 6.8             | 16                 | 8.8              | 20                | 15.9            | 20                 | 17.1             |
| 200         | 40739       | 2077         | -54        | .          | 16                | 11.6            | 16                 | 8.1              | 15                | 10.2            | 14                 | 12.8             | 13                | 8.4             | 18                 | 7.9              | 23                | 18.5            | 21                 | 22.0             |
| 150         | 46634       | 1987         | -68        | .          | 16                | 10.0            | 15                 | 5.3              | 17                | 10.0            | 17                 | 15.3             | 14                | 6.3             | 18                 | 7.4              | 24                | 22.7            | 21                 | 22.4             |
| 100         | 54378       | 1295         | -77        | .          | 12                | 9.8             | 12                 | 7.7              | 17                | 13.9            | 15                 | 10.4             | 12                | 6.8             | 14                 | 13.0             | 17                | 19.9            | 18                 | 17.8             |
| 70          | 61046       | 542          | -76        | .          | 13                | 7.6             | 15                 | 12.4             | 18                | 20.0            | 15                 | 8.4              | 12                | 8.8             | 14                 | 12.4             | 15                | 19.6            | 14                 | 10.0             |
| 50          | 67538       | 31           | -66        | .          | 15                | 10.4            | 16                 | 10.9             | 20                | 20.8            | 11                 | 7.0              | 15                | 5.4             | 16                 | 10.7             | 21                | 20.3            | 16                 | 13.9             |
| 30          | 77832       | -412         | -58        | .          | 18                | 7.2             | 21                 | 10.9             | 26                | 30.3            | 16                 | 6.8              | 15                | 4.5             | 17                 | 8.8              | 28                | 16.6            | 25                 | 13.9             |
| 20          | 86397       | -484         | -53        | .          | 13                | 1.3             | 7                  | 2.6              | 9                 | 6.6             | 10                 | 3.3              | 6                 | 2.2             | 11                 | 5.4              | 21                | 15.3            | 23                 | 12.5             |
| 10          | 101268      | -617         | -45        | .          | 26                | 2.8             | 15                 | 5.3              | 17                | 13.4            | 21                 | 6.7              | 13                | 4.6             | 23                 | 10.9             | 42                | 30.8            | 47                 | 25.1             |

FEB Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 26  | 11  | 8     | 1.4  | 9     | 52.1 | 8     | 0.7  | 0     | 0.0  |
| 1000 | 328    | -36  | 28  | 16  | 8     | 2.2  | 10    | 34.3 | 10    | 4.4  | 0     | 0.0  |
| 850  | 4938   | 158  | 20  | 11  | 11    | 1.7  | 14    | 48.2 | 12    | 3.0  | 0     | 0.0  |
| 700  | 10320  | 438  | 9   | 1   | 8     | 11.4 | 13    | 26.8 | 9     | 5.8  | 7     | 0.8  |
| 500  | 19237  | 948  | -6  | -19 | 9     | 6.5  | 12    | 16.7 | 8     | 4.4  | 8     | 5.6  |
| 400  | 24854  | 1280 | -17 | -30 | 12    | 9.3  | 23    | 36.3 | 15    | 9.8  | 12    | 9.5  |
| 300  | 31747  | 1682 | -32 | -46 | 17    | 11.3 | 19    | 24.0 | 14    | 9.3  | 18    | 11.4 |
| 250  | 35891  | 1892 | -42 |     | 17    | 11.8 | 17    | 12.5 | 11    | 6.3  | 21    | 15.7 |
| 200  | 40737  | 2075 | -54 |     | 17    | 11.3 | 16    | 11.4 | 12    | 6.7  | 22    | 21.0 |
| 150  | 46629  | 1982 | -68 |     | 17    | 7.7  | 14    | 6.7  | 12    | 6.5  | 24    | 25.9 |
| 100  | 54383  | 1300 | -77 |     | 12    | 9.0  | 11    | 9.1  | 10    | 5.6  | 16    | 21.0 |
| 70   | 61053  | 549  | -76 |     | 13    | 9.0  | 18    | 22.0 | 14    | 9.2  | 17    | 13.3 |
| 50   | 67536  | 29   | -66 |     | 19    | 13.2 | 21    | 22.0 | 12    | 8.6  | 20    | 19.0 |
| 30   | 77808  | -436 | -58 |     | 27    | 9.3  | 24    | 8.8  | 15    | 7.0  | 25    | 15.5 |
| 20   | 86369  | -512 | -53 |     | 27    | 3.5  | 9     | 6.6  | 10    | 5.0  | 14    | 6.1  |
| 10   | 101266 | -619 | -45 |     | 55    | 7.0  | 17    | 13.4 | 21    | 10.2 | 41    | 28.0 |

FEB Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 26  | 13  | 11    | 1.7  | 9     | 65.6 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 333    | -31  | 27  | 17  | 13    | 1.2  | 12    | 62.8 | 8     | 1.0  | 0     | 0.0  |
| 850  | 4944   | 164  | 18  | 10  | 19    | 1.5  | 17    | 27.2 | 7     | 1.0  | 0     | 0.0  |
| 700  | 10318  | 436  | 10  | -2  | 9     | 7.4  | 14    | 33.0 | 9     | 6.0  | 6     | 2.1  |
| 500  | 19232  | 943  | -6  | -19 | 10    | 7.7  | 14    | 14.3 | 10    | 4.5  | 8     | 5.8  |
| 400  | 24854  | 1280 | -17 | -30 | 14    | 7.5  | 23    | 35.8 | 14    | 6.1  | 14    | 9.7  |
| 300  | 31750  | 1685 | -32 | -46 | 16    | 10.4 | 21    | 22.6 | 13    | 9.5  | 17    | 12.1 |
| 250  | 35891  | 1892 | -42 |     | 17    | 10.7 | 18    | 14.6 | 14    | 10.7 | 18    | 12.0 |
| 200  | 40736  | 2074 | -54 |     | 17    | 9.0  | 18    | 10.6 | 13    | 7.2  | 20    | 14.4 |
| 150  | 46624  | 1977 | -68 |     | 15    | 7.0  | 17    | 11.8 | 14    | 6.5  | 22    | 19.6 |
| 100  | 54387  | 1304 | -77 |     | 13    | 7.2  | 17    | 17.8 | 11    | 7.7  | 23    | 24.7 |
| 70   | 61059  | 555  | -76 |     | 12    | 8.8  | 19    | 20.4 | 11    | 7.2  | 16    | 16.1 |
| 50   | 67534  | 27   | -67 |     | 21    | 12.1 | 21    | 21.2 | 13    | 6.5  | 19    | 19.7 |
| 30   | 77796  | -448 | -58 |     | 38    | 10.9 | 29    | 30.7 | 16    | 6.3  | 25    | 15.3 |
| 20   | 86353  | -528 | -53 |     | 34    | 7.3  | 9     | 7.0  | 9     | 3.1  | 20    | 12.5 |
| 10   | 101262 | -623 | -45 |     | 69    | 14.8 | 18    | 14.1 | 17    | 6.3  | 39    | 25.1 |

FEB Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 21         | 17                | 2.1             | 14                 | 70.2             | 12                | 27.6            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 338         | -26          | 25         | 20         | 18                | 1.7             | 15                 | 49.4             | 13                | 44.3            | 9                  | 4.0              | 8                 | 0.1             | 7                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4944        | 164          | 17         | 7          | 25                | 1.0             | 19                 | 37.6             | 15                | 47.1            | 14                 | 13.0             | 8                 | 0.8             | 0                  | 0.0              | 0                 | 0.0             | 5                  | 0.1              |
| 700         | 10311       | 429          | 10         | -4         | 8                 | 5.3             | 13                 | 25.7             | 15                | 40.6            | 12                 | 17.1             | 9                 | 4.5             | 6                  | 2.1              | 7                 | 2.4             | 4                  | 1.4              |
| 500         | 19230       | 941          | -6         | -20        | 10                | 6.7             | 15                 | 17.6             | 20                | 43.2            | 13                 | 8.1              | 12                | 5.8             | 9                  | 4.9              | 9                 | 5.8             | 10                 | 6.5              |
| 400         | 24855       | 1281         | -17        | -30        | 15                | 8.3             | 18                 | 14.3             | 24                | 36.5            | 15                 | 7.7              | 16                | 8.6             | 15                 | 7.0              | 15                | 8.6             | 12                 | 8.3              |
| 300         | 31757       | 1692         | -32        | -46        | 14                | 10.7            | 16                 | 13.0             | 21                | 24.7            | 14                 | 8.4              | 16                | 8.4             | 20                 | 13.7             | 19                | 10.9            | 15                 | 9.5              |
| 250         | 35894       | 1895         | -42        | .          | 15                | 10.6            | 17                 | 13.4             | 19                | 15.0            | 14                 | 10.2             | 20                | 8.8             | 19                 | 15.7             | 21                | 14.6            | 17                 | 11.3             |
| 200         | 40738       | 2076         | -54        | .          | 17                | 8.1             | 18                 | 9.8              | 16                | 15.0            | 17                 | 13.4             | 17                | 9.5             | 23                 | 14.4             | 23                | 18.1            | 19                 | 10.9             |
| 150         | 46623       | 1976         | -68        | .          | 14                | 4.5             | 13                 | 6.3              | 18                | 15.3            | 20                 | 17.8             | 17                | 6.3             | 21                 | 10.9             | 23                | 24.7            | 18                 | 13.6             |
| 100         | 54394       | 1311         | -77        | .          | 12                | 6.1             | 10                 | 8.8              | 17                | 19.7            | 13                 | 12.0             | 12                | 9.1             | 19                 | 14.4             | 19                | 16.6            | 15                 | 12.3             |
| 70          | 61068       | 564          | -76        | .          | 11                | 9.6             | 16                 | 11.8             | 18                | 21.0            | 15                 | 10.2             | 11                | 6.8             | 23                 | 12.7             | 17                | 15.5            | 12                 | 11.6             |
| 50          | 67534       | 27           | -67        | .          | 23                | 10.0            | 19                 | 11.6             | 20                | 20.3            | 13                 | 12.8             | 12                | 6.3             | 24                 | 10.9             | 20                | 18.1            | 14                 | 9.1              |
| 30          | 77774       | -470         | -58        | .          | 41                | 10.2            | 28                 | 9.7              | 29                | 32.1            | 15                 | 7.7              | 16                | 4.7             | 23                 | 10.9             | 24                | 17.4            | 19                 | 6.7              |
| 20          | 86328       | -553         | -54        | .          | 36                | 8.5             | 19                 | 1.9              | 10                | 9.1             | 11                 | 4.3              | 11                | 3.5             | 12                 | 6.5              | 21                | 12.7            | 21                 | 3.0              |
| 10          | 101253      | -632         | -45        | .          | 72                | 17.0            | 39                 | 3.9              | 20                | 18.4            | 23                 | 8.8              | 21                | 7.0             | 24                 | 13.1             | 43                | 25.5            | 42                 | 6.0              |

FEB Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 16                | 6.0             | 12                 | 83.3             | 10                | 10.6            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 335         | -29          | 24         | 21         | 17                | 3.1             | 15                 | 72.2             | 11                | 21.3            | 10                 | 2.8              | 9                 | 0.1             | 0                  | 0.0              | 8                 | 0.1             | 0                  | 0.0              |
| 850         | 4944        | 164          | 17         | 6          | 13                | 0.7             | 18                 | 27.9             | 16                | 57.5            | 15                 | 13.2             | 11                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10308       | 426          | 10         | -5         | 8                 | 5.8             | 12                 | 24.5             | 15                | 40.8            | 11                 | 16.2             | 9                 | 4.4             | 7                  | 3.5              | 9                 | 1.9             | 5                  | 2.1              |
| 500         | 19229       | 940          | -5         | -20        | 11                | 8.3             | 16                 | 18.0             | 20                | 42.2            | 14                 | 7.7              | 11                | 5.8             | 14                 | 3.7              | 9                 | 5.6             | 10                 | 7.7              |
| 400         | 24857       | 1283         | -17        | -30        | 15                | 9.0             | 18                 | 16.2             | 23                | 35.8            | 16                 | 7.9              | 17                | 6.5             | 16                 | 7.7              | 15                | 8.8             | 11                 | 7.4              |
| 300         | 31762       | 1697         | -32        | -46        | 13                | 9.0             | 16                 | 12.8             | 20                | 25.6            | 14                 | 7.4              | 17                | 7.2             | 22                 | 15.9             | 18                | 10.7            | 14                 | 11.1             |
| 250         | 35895       | 1896         | -42        | .          | 13                | 8.8             | 16                 | 10.4             | 20                | 16.6            | 13                 | 10.4             | 18                | 11.1            | 22                 | 16.2             | 22                | 15.1            | 17                 | 10.6             |
| 200         | 40738       | 2076         | -54        | .          | 16                | 6.5             | 16                 | 7.7              | 18                | 17.8            | 18                 | 11.3             | 18                | 10.0            | 24                 | 17.8             | 25                | 16.4            | 18                 | 11.8             |
| 150         | 46623       | 1976         | -68        | .          | 17                | 3.7             | 12                 | 6.3              | 18                | 17.1            | 20                 | 16.6             | 18                | 9.3             | 21                 | 14.1             | 24                | 23.3            | 19                 | 9.1              |
| 100         | 54397       | 1314         | -77        | .          | 12                | 6.3             | 11                 | 8.4              | 17                | 17.1            | 13                 | 16.2             | 13                | 9.0             | 19                 | 13.6             | 18                | 18.0            | 15                 | 10.4             |
| 70          | 61070       | 566          | -76        | .          | 11                | 8.2             | 14                 | 12.5             | 18                | 22.6            | 13                 | 11.2             | 11                | 5.7             | 22                 | 12.5             | 18                | 17.1            | 14                 | 9.2              |
| 50          | 67533       | 26           | -67        | .          | 18                | 6.5             | 23                 | 13.4             | 18                | 23.4            | 12                 | 10.7             | 9                 | 7.0             | 21                 | 11.1             | 22                | 18.7            | 15                 | 8.4              |
| 30          | 77763       | -481         | -59        | .          | 36                | 6.5             | 32                 | 13.7             | 29                | 31.6            | 15                 | 9.3              | 13                | 3.5             | 21                 | 10.0             | 27                | 18.5            | 18                 | 6.5              |
| 20          | 86312       | -569         | -54        | .          | 31                | 6.3             | 27                 | 4.9              | 11                | 10.5            | 11                 | 2.6              | 6                 | 3.0             | 12                 | 7.7              | 23                | 12.0            | 20                 | 2.4              |
| 10          | 101237      | -648         | -45        | .          | 62                | 12.7            | 54                 | 9.9              | 22                | 21.2            | 22                 | 5.3              | 13                | 6.0             | 24                 | 15.6             | 46                | 24.1            | 41                 | 4.9              |

FEB Latitude=10.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 22  | 12  | 6     | 3.1  | 6     | 39.7 | 6     | 28.7 | 9     | 0.3  | 0     | 0.0  | 0     | 0.0  | 8     | 0.3  |
| 1000 | 349    | -15  | 28  | 20  | 7     | 5.1  | 8     | 41.3 | 10    | 21.9 | 15    | 4.9  | 0     | 0.0  | 0     | 0.0  | 7     | 0.5  |
| 850  | 4930   | 150  | 20  | 13  | 8     | 4.0  | 9     | 39.2 | 11    | 30.0 | 15    | 5.6  | 0     | 0.0  | 0     | 0.0  | 17    | 0.1  |
| 700  | 10335  | 453  | 10  | 2   | 7     | 2.4  | 8     | 20.8 | 11    | 33.5 | 9     | 25.6 | 7     | 8.3  | 6     | 1.5  | 4     | 1.7  |
| 500  | 19241  | 952  | -6  | -19 | 9     | 8.4  | 11    | 11.6 | 13    | 14.4 | 7     | 6.1  | 8     | 6.1  | 9     | 7.2  | 8     | 9.5  |
| 400  | 24866  | 1292 | -17 | -30 | 15    | 10.4 | 16    | 11.4 | 15    | 14.8 | 9     | 6.0  | 12    | 6.3  | 16    | 12.3 | 12    | 12.1 |
| 300  | 31743  | 1678 | -32 | -45 | 17    | 11.8 | 16    | 14.3 | 15    | 9.7  | 10    | 6.0  | 18    | 7.5  | 23    | 19.4 | 20    | 18.0 |
| 250  | 35891  | 1892 | -42 | .   | 17    | 10.4 | 17    | 6.3  | 15    | 8.6  | 13    | 9.0  | 16    | 10.6 | 25    | 24.3 | 22    | 20.4 |
| 200  | 40741  | 2079 | -54 | .   | 17    | 8.1  | 14    | 4.5  | 14    | 7.4  | 15    | 9.7  | 18    | 11.1 | 26    | 29.1 | 22    | 22.6 |
| 150  | 46639  | 1992 | -68 | .   | 15    | 7.9  | 14    | 3.1  | 16    | 9.7  | 16    | 10.7 | 18    | 11.3 | 27    | 30.0 | 21    | 21.2 |
| 100  | 54380  | 1297 | -77 | .   | 15    | 9.1  | 13    | 4.9  | 15    | 9.7  | 14    | 7.7  | 15    | 12.1 | 18    | 24.7 | 19    | 19.9 |
| 70   | 61057  | 553  | -75 | .   | 11    | 9.2  | 14    | 9.4  | 13    | 12.5 | 13    | 6.4  | 12    | 11.2 | 15    | 19.0 | 16    | 13.3 |
| 50   | 67550  | 43   | -66 | .   | 13    | 10.4 | 16    | 7.0  | 11    | 8.3  | 10    | 6.0  | 14    | 11.1 | 17    | 19.4 | 15    | 14.6 |
| 30   | 77843  | -401 | -58 | .   | 16    | 7.7  | 19    | 8.4  | 14    | 10.6 | 13    | 4.0  | 15    | 9.1  | 20    | 15.5 | 19    | 15.1 |
| 20   | 86408  | -473 | -53 | .   | 7     | 2.7  | 12    | 4.5  | 9     | 4.7  | 9     | 2.7  | 11    | 5.2  | 14    | 15.0 | 18    | 12.7 |
| 10   | 101300 | -585 | -46 | .   | 14    | 5.6  | 20    | 3.5  | 19    | 9.5  | 17    | 5.6  | 22    | 10.6 | 28    | 30.1 | 37    | 25.5 |

FEB Latitude=10.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 23  | 13  | 7     | 25.8 | 6     | 39.7 | 4     | 13.4 | 2     | 0.7  | 0     | 0.0  | 0     | 0.0  | 6     | 0.3  |
| 1000 | 354    | -10  | 26  | 19  | 13    | 17.3 | 10    | 41.6 | 9     | 12.5 | 14    | 2.8  | 1     | 0.1  | 3     | 0.3  | 5     | 1.4  |
| 850  | 4948   | 168  | 19  | 12  | 10    | 3.7  | 11    | 26.8 | 11    | 29.1 | 13    | 6.5  | 3     | 0.3  | 2     | 0.1  | 7     | 0.7  |
| 700  | 10331  | 449  | 10  | 1   | 6     | 5.3  | 10    | 14.8 | 10    | 24.2 | 8     | 11.8 | 6     | 5.6  | 6     | 4.2  | 3     | 1.4  |
| 500  | 19243  | 954  | -6  | -19 | 11    | 9.5  | 11    | 11.3 | 14    | 13.2 | 8     | 5.6  | 8     | 6.5  | 10    | 7.4  | 10    | 10.2 |
| 400  | 24861  | 1287 | -17 | -30 | 15    | 9.8  | 15    | 11.3 | 16    | 15.3 | 10    | 6.0  | 14    | 6.7  | 14    | 13.2 | 13    | 12.1 |
| 300  | 31746  | 1681 | -32 | -45 | 17    | 10.2 | 15    | 14.3 | 14    | 10.4 | 10    | 5.3  | 17    | 8.6  | 21    | 18.5 | 19    | 17.6 |
| 250  | 35887  | 1888 | -42 | .   | 17    | 9.1  | 17    | 8.1  | 14    | 10.9 | 12    | 7.9  | 17    | 11.6 | 24    | 24.5 | 23    | 18.5 |
| 200  | 40733  | 2071 | -54 | .   | 15    | 6.7  | 15    | 6.7  | 15    | 10.0 | 13    | 8.4  | 17    | 10.7 | 27    | 28.6 | 23    | 20.8 |
| 150  | 46625  | 1978 | -68 | .   | 16    | 6.5  | 13    | 4.2  | 16    | 12.7 | 15    | 8.8  | 16    | 9.3  | 26    | 32.5 | 22    | 17.6 |
| 100  | 54381  | 1298 | -77 | .   | 12    | 8.8  | 11    | 6.1  | 14    | 9.7  | 13    | 5.4  | 14    | 16.0 | 18    | 23.1 | 19    | 16.9 |
| 70   | 61059  | 555  | -76 | .   | 13    | 5.7  | 15    | 11.4 | 18    | 16.1 | 13    | 9.8  | 13    | 13.3 | 16    | 18.8 | 15    | 12.0 |
| 50   | 67538  | 31   | -66 | .   | 17    | 9.3  | 15    | 10.2 | 13    | 10.2 | 12    | 6.0  | 15    | 13.7 | 18    | 16.2 | 16    | 11.1 |
| 30   | 77798  | -446 | -58 | .   | 21    | 10.4 | 21    | 9.0  | 16    | 10.7 | 15    | 6.0  | 17    | 10.2 | 17    | 13.6 | 20    | 10.4 |
| 20   | 86359  | -522 | -53 | .   | 16    | 4.3  | 10    | 2.2  | 11    | 6.1  | 9     | 3.6  | 12    | 7.5  | 13    | 12.5 | 19    | 9.0  |
| 10   | 101282 | -603 | -46 | .   | 32    | 8.8  | 21    | 4.6  | 22    | 12.4 | 18    | 7.4  | 23    | 15.2 | 27    | 25.1 | 38    | 18.0 |

FEB Latitude=10.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 23         | 12         | 5                 | 2.1             | 9                  | 37.2             | 7                 | 41.4            | 7                  | 17.0             | 5                 | 0.3             | 0                  | 0.0              | 2                 | 0.7             | 2                  | 0.7              |
| 1000        | 369         | 5            | 27         | 19         | 8                 | 4.7             | 10                 | 34.2             | 9                 | 36.2            | 9                  | 18.1             | 8                 | 4.5             | 3                  | 0.1              | 3                 | 0.8             | 3                  | 0.5              |
| 850         | 4953        | 173          | 18         | 11         | 10                | 0.5             | 13                 | 24.3             | 12                | 41.5            | 12                 | 27.3             | 10                | 4.7             | 3                  | 0.1              | 2                 | 0.5             | 5                  | 0.3              |
| 700         | 10328       | 446          | 9          | -1         | 7                 | 6.1             | 11                 | 25.4             | 12                | 31.9            | 10                 | 18.3             | 7                 | 8.3             | 7                  | 3.1              | 7                 | 3.1             | 7                  | 2.2              |
| 500         | 19244       | 955          | -6         | -19        | 11                | 8.4             | 12                 | 13.6             | 17                | 33.7            | 13                 | 12.5             | 10                | 5.8             | 9                  | 5.4              | 10                | 8.8             | 10                 | 11.1             |
| 400         | 24860       | 1286         | -17        | -30        | 15                | 7.7             | 16                 | 13.2             | 20                | 24.0            | 16                 | 12.5             | 12                | 7.4             | 13                 | 8.6              | 15                | 17.3            | 14                 | 8.8              |
| 300         | 31741       | 1676         | -32        | -46        | 17                | 8.6             | 17                 | 13.2             | 17                | 14.6            | 15                 | 10.2             | 11                | 5.1             | 19                 | 10.2             | 21                | 19.9            | 21                 | 17.4             |
| 250         | 35887       | 1888         | -42        | .          | 15                | 9.8             | 18                 | 7.9              | 15                | 9.1             | 14                 | 10.6             | 15                | 6.3             | 18                 | 11.6             | 24                | 25.7            | 22                 | 18.0             |
| 200         | 40734       | 2072         | -54        | .          | 16                | 6.7             | 15                 | 8.1              | 15                | 9.1             | 15                 | 8.8              | 13                | 10.0            | 20                 | 11.8             | 26                | 25.4            | 24                 | 19.6             |
| 150         | 46624       | 1977         | -68        | .          | 14                | 6.7             | 15                 | 6.1              | 15                | 9.5             | 18                 | 13.6             | 12                | 8.1             | 16                 | 10.9             | 25                | 29.3            | 24                 | 15.3             |
| 100         | 54384       | 1301         | -77        | .          | 11                | 8.3             | 13                 | 5.4              | 15                | 15.3            | 14                 | 10.4             | 12                | 7.7             | 16                 | 15.1             | 20                | 21.5            | 17                 | 15.9             |
| 70          | 61062       | 558          | -76        | .          | 13                | 5.1             | 15                 | 11.8             | 18                | 18.5            | 14                 | 12.9             | 13                | 7.6             | 18                 | 12.9             | 16                | 19.0            | 15                 | 11.4             |
| 50          | 67537       | 30           | -67        | .          | 18                | 8.8             | 19                 | 12.0             | 20                | 20.8            | 14                 | 10.4             | 13                | 8.4             | 18                 | 14.1             | 18                | 15.9            | 15                 | 8.8              |
| 30          | 77782       | -462         | -58        | .          | 28                | 9.0             | 25                 | 11.6             | 26                | 29.1            | 17                 | 9.7              | 14                | 7.4             | 20                 | 10.7             | 17                | 14.4            | 15                 | 7.7              |
| 20          | 86340       | -541         | -53        | .          | 22                | 8.2             | 14                 | 3.6              | 8                 | 3.3             | 13                 | 6.8              | 8                 | 4.3             | 12                 | 8.5              | 13                | 10.7            | 15                 | 3.8              |
| 10          | 101280      | -605         | -46        | .          | 44                | 16.6            | 27                 | 7.4              | 17                | 6.7             | 27                 | 13.8             | 17                | 8.8             | 24                 | 17.0             | 26                | 21.6            | 29                 | 7.8              |

FEB Latitude=10.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 16         | 10                | 4.9             | 9                  | 36.5             | 9                 | 47.8            | 7                  | 10.2             | 6                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 364         | -0           | 26         | 19         | 11                | 5.3             | 11                 | 27.9             | 11                | 47.3            | 10                 | 17.6             | 9                 | 1.5             | 2                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4961        | 181          | 17         | 9          | 18                | 2.2             | 15                 | 28.4             | 13                | 39.0            | 13                 | 26.1             | 9                 | 3.5             | 5                  | 0.3              | 4                 | 0.1             | 0                  | 0.0              |
| 700         | 10323       | 441          | 10         | -4         | 9                 | 6.8             | 12                 | 26.1             | 14                | 35.1            | 11                 | 15.5             | 9                 | 5.3             | 6                  | 3.8              | 8                 | 2.2             | 7                  | 3.0              |
| 500         | 19239       | 950          | -6         | -20        | 11                | 8.4             | 13                 | 17.8             | 18                | 30.7            | 13                 | 9.3              | 12                | 7.4             | 12                 | 5.6              | 11                | 9.5             | 11                 | 10.6             |
| 400         | 24857       | 1283         | -17        | -31        | 16                | 7.5             | 16                 | 13.0             | 20                | 24.0            | 17                 | 11.4             | 17                | 6.5             | 15                 | 10.0             | 17                | 17.6            | 16                 | 9.3              |
| 300         | 31747       | 1682         | -32        | -46        | 14                | 8.4             | 17                 | 11.6             | 17                | 15.9            | 15                 | 9.3              | 18                | 5.3             | 21                 | 13.0             | 23                | 19.9            | 19                 | 16.0             |
| 250         | 35885       | 1886         | -42        | .          | 15                | 8.8             | 19                 | 9.3              | 15                | 9.7             | 15                 | 8.3              | 19                | 7.2             | 21                 | 17.8             | 27                | 21.2            | 20                 | 17.3             |
| 200         | 40730       | 2068         | -54        | .          | 17                | 6.7             | 15                 | 7.7              | 16                | 10.0            | 15                 | 9.7              | 17                | 8.6             | 23                 | 15.3             | 27                | 24.3            | 22                 | 16.9             |
| 150         | 46617       | 1970         | -68        | .          | 14                | 5.6             | 14                 | 4.5              | 16                | 10.9            | 19                 | 13.7             | 14                | 9.0             | 19                 | 11.3             | 26                | 30.0            | 21                 | 14.6             |
| 100         | 54384       | 1301         | -77        | .          | 13                | 6.7             | 11                 | 5.8              | 16                | 16.0            | 15                 | 11.3             | 12                | 7.2             | 17                 | 16.2             | 22                | 20.8            | 15                 | 15.0             |
| 70          | 61063       | 559          | -76        | .          | 12                | 4.7             | 16                 | 10.6             | 17                | 24.8            | 13                 | 10.2             | 12                | 6.4             | 21                 | 13.5             | 16                | 17.1            | 15                 | 12.0             |
| 50          | 67532       | 25           | -67        | .          | 15                | 6.7             | 22                 | 15.9             | 20                | 19.2            | 13                 | 12.8             | 14                | 8.4             | 20                 | 11.4             | 18                | 16.4            | 16                 | 8.6              |
| 30          | 77771       | -473         | -58        | .          | 26                | 6.7             | 32                 | 15.0             | 27                | 29.6            | 17                 | 9.7              | 14                | 6.3             | 20                 | 10.7             | 19                | 14.1            | 15                 | 7.2              |
| 20          | 86324       | -557         | -54        | .          | 23                | 6.5             | 24                 | 6.3              | 7                 | 4.2             | 12                 | 7.0              | 7                 | 3.8             | 11                 | 9.3              | 13                | 9.1             | 12                 | 3.1              |
| 10          | 101264      | -621         | -46        | .          | 46                | 13.1            | 47                 | 12.7             | 15                | 8.5             | 24                 | 14.1             | 15                | 7.8             | 22                 | 18.7             | 27                | 18.4            | 25                 | 6.3              |

FEB Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 22         | 14                | 6.3             | 11                 | 62.0             | 8                 | 29.0            | 8                  | 2.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 357         | -7           | 24         | 20         | 16                | 4.7             | 14                 | 48.9             | 11                | 36.5            | 9                  | 8.8              | 9                 | 0.7             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4959        | 179          | 17         | 5          | 14                | 1.9             | 16                 | 28.7             | 14                | 45.2            | 14                 | 19.7             | 11                | 3.1             | 2                  | 0.3              | 3                 | 0.3             | 3                  | 0.3              |
| 700         | 10319       | 437          | 10         | -7         | 10                | 7.9             | 12                 | 25.9             | 15                | 40.2            | 11                 | 12.0             | 9                 | 3.8             | 7                  | 4.2              | 8                 | 2.1             | 7                  | 3.1              |
| 500         | 19236       | 947          | -5         | -21        | 11                | 9.5             | 15                 | 18.1             | 19                | 30.9            | 12                 | 8.3              | 14                | 5.6             | 12                 | 6.3              | 12                | 10.4            | 11                 | 10.0             |
| 400         | 24860       | 1286         | -17        | -31        | 17                | 8.8             | 18                 | 11.3             | 20                | 25.2            | 15                 | 9.5              | 18                | 5.3             | 16                 | 12.5             | 17                | 17.1            | 16                 | 10.0             |
| 300         | 31756       | 1691         | -32        | -46        | 18                | 6.3             | 17                 | 10.9             | 16                | 16.6            | 16                 | 7.7              | 19                | 4.9             | 24                 | 16.0             | 23                | 20.4            | 17                 | 16.7             |
| 250         | 35888       | 1889         | -42        | .          | 15                | 6.8             | 17                 | 9.1              | 15                | 10.6            | 14                 | 7.9              | 17                | 8.3             | 25                 | 16.9             | 26                | 24.9            | 20                 | 15.0             |
| 200         | 40729       | 2067         | -54        | .          | 14                | 5.8             | 15                 | 9.0              | 17                | 7.4             | 15                 | 11.1             | 15                | 7.4             | 25                 | 18.0             | 27                | 26.5            | 22                 | 14.4             |
| 150         | 46615       | 1968         | -68        | .          | 14                | 5.1             | 12                 | 3.7              | 17                | 9.5             | 19                 | 15.7             | 16                | 9.3             | 20                 | 16.0             | 26                | 27.9            | 20                 | 12.1             |
| 100         | 54390       | 1307         | -77        | .          | 11                | 7.0             | 10                 | 6.0              | 17                | 13.7            | 16                 | 12.7             | 13                | 10.4            | 18                 | 14.6             | 21                | 23.1            | 15                 | 12.0             |
| 70          | 61069       | 565          | -76        | .          | 11                | 5.1             | 14                 | 10.0             | 18                | 27.1            | 13                 | 8.4              | 11                | 6.4             | 22                 | 12.4             | 17                | 18.7            | 14                 | 11.2             |
| 50          | 67534       | 27           | -67        | .          | 16                | 3.1             | 23                 | 15.3             | 20                | 24.5            | 13                 | 11.6             | 13                | 6.5             | 21                 | 11.4             | 19                | 17.6            | 14                 | 9.5              |
| 30          | 77770       | -474         | -58        | .          | 21                | 4.7             | 35                 | 16.4             | 27                | 31.4            | 16                 | 9.0              | 13                | 5.8             | 20                 | 9.3              | 23                | 15.9            | 16                 | 7.2              |
| 20          | 86319       | -562         | -54        | .          | 18                | 3.6             | 27                 | 9.5              | 10                | 5.4             | 8                  | 6.5              | 7                 | 3.0             | 10                 | 8.2              | 14                | 9.8             | 13                 | 3.3              |
| 10          | 101250      | -635         | -46        | .          | 37                | 7.4             | 54                 | 19.1             | 19                | 10.9            | 17                 | 13.1             | 14                | 6.0             | 21                 | 16.6             | 28                | 19.8            | 26                 | 6.7              |

FEB Latitude=12.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 15         | 4                 | 5.6             | 5                  | 5.3              | 9                 | 23.7            | 10                 | 63.4             | 8                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 1.4              |
| 1000        | 329         | -35          | 26         | 19         | 6                 | 3.1             | 5                  | 4.5              | 10                | 23.8            | 14                 | 62.8             | 16                | 3.7             | 2                  | 0.1              | 5                 | 0.3             | 9                  | 1.0              |
| 850         | 4943        | 163          | 18         | 11         | 5                 | 1.5             | 6                  | 3.1              | 11                | 9.7             | 18                 | 78.2             | 16                | 5.4             | 3                  | 0.3              | 0                 | 0.0             | 10                 | 1.0              |
| 700         | 10335       | 453          | 10         | -1         | 5                 | 1.2             | 8                  | 4.2              | 11                | 13.7            | 10                 | 27.3             | 10                | 31.8            | 9                  | 13.0             | 8                 | 6.1             | 8                  | 1.0              |
| 500         | 19246       | 957          | -6         | -20        | 11                | 7.5             | 11                 | 8.1              | 14                | 16.9            | 14                 | 16.0             | 10                | 7.5             | 10                 | 9.8              | 13                | 20.3            | 13                 | 12.7             |
| 400         | 24857       | 1283         | -17        | -30        | 17                | 10.7            | 13                 | 7.9              | 15                | 11.6            | 14                 | 10.2             | 13                | 10.2            | 14                 | 9.7              | 19                | 22.9            | 17                 | 16.2             |
| 300         | 31741       | 1676         | -32        | -45        | 16                | 7.0             | 12                 | 4.9              | 13                | 6.1             | 11                 | 5.1              | 11                | 7.4             | 18                 | 11.3             | 27                | 34.2            | 24                 | 23.4             |
| 250         | 35875       | 1876         | -42        | .          | 17                | 5.3             | 10                 | 3.3              | 13                | 4.0             | 15                 | 4.9              | 14                | 7.0             | 21                 | 15.3             | 31                | 38.8            | 28                 | 21.0             |
| 200         | 40720       | 2058         | -54        | .          | 13                | 3.3             | 10                 | 2.1              | 13                | 3.3             | 12                 | 4.4              | 19                | 7.0             | 22                 | 13.6             | 33                | 45.0            | 27                 | 20.8             |
| 150         | 46617       | 1970         | -68        | .          | 16                | 4.5             | 11                 | 1.2              | 13                | 2.8             | 13                 | 5.1              | 17                | 9.5             | 19                 | 15.5             | 32                | 43.2            | 25                 | 17.3             |
| 100         | 54381       | 1298         | -77        | .          | 15                | 6.5             | 12                 | 3.3              | 13                | 5.1             | 11                 | 7.7              | 12                | 10.0            | 16                 | 12.0             | 23                | 32.8            | 20                 | 21.7             |
| 70          | 61072       | 568          | -76        | .          | 9                 | 6.4             | 11                 | 8.0              | 13                | 13.3            | 12                 | 12.2             | 11                | 8.6             | 12                 | 12.4             | 19                | 23.6            | 15                 | 14.9             |
| 50          | 67544       | 37           | -67        | .          | 10                | 7.5             | 11                 | 7.7              | 17                | 18.0            | 10                 | 11.6             | 10                | 7.9             | 14                 | 10.2             | 17                | 22.9            | 14                 | 13.2             |
| 30          | 77830       | -414         | -58        | .          | 11                | 5.6             | 12                 | 8.4              | 22                | 27.5            | 14                 | 13.9             | 11                | 6.0             | 15                 | 6.0              | 17                | 17.8            | 16                 | 14.3             |
| 20          | 86387       | -494         | -53        | .          | 7                 | 2.7             | 8                  | 1.1              | 18                | 6.0             | 11                 | 5.6              | 8                 | 4.0             | 9                  | 6.3              | 12                | 13.2            | 12                 | 10.2             |
| 10          | 101316      | -569         | -46        | .          | 14                | 5.6             | 17                 | 2.4              | 36                | 12.0            | 23                 | 11.3             | 16                | 8.1             | 18                 | 12.7             | 24                | 26.5            | 23                 | 20.5             |

FEB Latitude=12.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 23         | 20         | 0                 | 0.0             | 12                 | 32.9             | 12                | 60.9            | 10                 | 4.6              | 6                 | 0.3             | 3                  | 1.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 366         | 2            | 24         | 19         | 9                 | 0.1             | 15                 | 14.1             | 14                | 60.9            | 10                 | 20.4             | 9                 | 3.1             | 6                  | 0.7              | 3                 | 0.3             | 0                  | 0.0              |
| 850         | 4958        | 178          | 17         | 9          | 5                 | 0.1             | 12                 | 1.5              | 15                | 50.8            | 12                 | 33.9             | 11                | 9.0             | 6                  | 2.6              | 7                 | 1.4             | 6                  | 0.1              |
| 700         | 10334       | 452          | 10         | -3         | 7                 | 4.7             | 12                 | 16.4             | 10                | 24.9            | 9                  | 16.7             | 8                 | 15.0            | 8                  | 9.7              | 8                 | 8.4             | 5                  | 3.1              |
| 500         | 19246       | 957          | -6         | -21        | 11                | 9.5             | 11                 | 7.7              | 14                | 18.5            | 13                 | 12.1             | 10                | 7.4             | 9                  | 7.2              | 14                | 20.6            | 14                 | 16.4             |
| 400         | 24860       | 1286         | -17        | -31        | 16                | 11.3            | 14                 | 6.7              | 13                | 11.1            | 15                 | 10.0             | 12                | 8.8             | 15                 | 12.1             | 20                | 24.3            | 19                 | 15.3             |
| 300         | 31741       | 1676         | -32        | -46        | 17                | 8.1             | 13                 | 5.1              | 12                | 5.8             | 11                 | 5.4              | 13                | 6.7             | 17                 | 10.7             | 27                | 33.3            | 24                 | 24.3             |
| 250         | 35872       | 1873         | -42        | .          | 17                | 9.1             | 11                 | 3.0              | 12                | 4.7             | 15                 | 5.4              | 13                | 6.1             | 21                 | 14.4             | 31                | 35.6            | 29                 | 20.8             |
| 200         | 40713       | 2051         | -54        | .          | 12                | 4.9             | 10                 | 2.2              | 13                | 4.2             | 15                 | 3.8              | 16                | 7.4             | 21                 | 15.7             | 33                | 42.4            | 28                 | 18.5             |
| 150         | 46605       | 1958         | -67        | .          | 16                | 4.5             | 10                 | 2.6              | 13                | 4.2             | 15                 | 6.1              | 18                | 9.0             | 19                 | 15.7             | 32                | 39.9            | 25                 | 17.4             |
| 100         | 54378       | 1295         | -77        | .          | 15                | 5.4             | 13                 | 3.7              | 12                | 7.5             | 11                 | 8.6              | 12                | 9.3             | 16                 | 16.2             | 22                | 30.2            | 20                 | 18.3             |
| 70          | 61065       | 561          | -76        | .          | 11                | 5.3             | 14                 | 9.0              | 13                | 14.7            | 12                 | 11.6             | 12                | 11.0            | 14                 | 13.9             | 19                | 23.2            | 15                 | 10.8             |
| 30          | 77791       | -453         | -58        | .          | 12                | 6.0             | 19                 | 8.8              | 21                | 26.6            | 14                 | 17.6             | 13                | 4.9             | 15                 | 9.5              | 17                | 14.8            | 16                 | 10.9             |
| 20          | 86348       | -533         | -53        | .          | 10                | 5.4             | 8                  | 1.9              | 17                | 6.0             | 11                 | 4.9              | 9                 | 5.8             | 10                 | 8.1              | 12                | 8.5             | 11                 | 8.8              |
| 10          | 101297      | -588         | -46        | .          | 20                | 10.9            | 17                 | 3.9              | 35                | 12.0            | 23                 | 9.9              | 18                | 11.7            | 20                 | 16.3             | 24                | 17.0            | 21                 | 17.7             |

FEB Latitude=12.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 21         | 9                 | 0.3             | 13                 | 42.9             | 12                | 54.9            | 7                  | 1.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 364         | 0            | 24         | 19         | 3                 | 0.8             | 15                 | 31.9             | 13                | 55.8            | 6                  | 6.7              | 5                 | 2.8             | 4                  | 1.0              | 7                 | 0.1             | 4                  | 0.1              |
| 850         | 4966        | 186          | 17         | 6          | 4                 | 0.3             | 16                 | 10.6             | 14                | 43.9            | 11                 | 31.6             | 11                | 9.7             | 7                  | 2.2              | 5                 | 0.8             | 5                  | 0.1              |
| 700         | 10334       | 452          | 10         | -5         | 9                 | 7.9             | 11                 | 21.5             | 11                | 24.2            | 11                 | 13.6             | 8                 | 12.0            | 9                  | 8.1              | 8                 | 7.9             | 7                  | 4.2              |
| 500         | 19242       | 953          | -6         | -22        | 11                | 9.0             | 12                 | 10.2             | 15                | 17.8            | 14                 | 10.0             | 10                | 6.5             | 10                 | 10.2             | 15                | 18.3            | 15                 | 17.1             |
| 400         | 24857       | 1283         | -17        | -31        | 15                | 9.7             | 14                 | 8.8              | 15                | 9.1             | 15                 | 11.8             | 11                | 6.1             | 16                 | 12.3             | 22                | 26.3            | 19                 | 15.3             |
| 300         | 31744       | 1679         | -32        | -47        | 17                | 8.3             | 15                 | 4.4              | 12                | 5.3             | 12                 | 5.8              | 12                | 7.7             | 19                 | 10.9             | 28                | 34.6            | 22                 | 22.7             |
| 250         | 35872       | 1873         | -42        | .          | 18                | 9.0             | 13                 | 3.0              | 13                | 3.7             | 14                 | 4.9              | 14                | 6.7             | 22                 | 13.7             | 31                | 36.3            | 27                 | 22.2             |
| 200         | 40712       | 2050         | -54        | .          | 15                | 6.0             | 10                 | 2.4              | 16                | 4.2             | 16                 | 6.0              | 14                | 6.7             | 22                 | 14.6             | 32                | 40.2            | 29                 | 19.2             |
| 150         | 46602       | 1955         | -67        | .          | 14                | 5.3             | 9                  | 4.0              | 15                | 3.8             | 17                 | 7.7              | 16                | 7.5             | 19                 | 13.6             | 29                | 39.0            | 26                 | 18.7             |
| 100         | 54380       | 1297         | -77        | .          | 12                | 5.6             | 11                 | 3.1              | 12                | 10.0            | 13                 | 9.0              | 13                | 7.5             | 17                 | 15.3             | 22                | 31.0            | 20                 | 17.4             |
| 70          | 61068       | 564          | -76        | .          | 14                | 6.1             | 13                 | 9.0              | 14                | 16.1            | 13                 | 13.7             | 14                | 9.2             | 16                 | 12.0             | 19                | 24.6            | 16                 | 9.0              |
| 50          | 67529       | 22           | -67        | .          | 13                | 4.9             | 16                 | 15.1             | 18                | 16.4            | 13                 | 11.6             | 12                | 10.9            | 16                 | 13.4             | 19                | 19.2            | 14                 | 7.7              |
| 30          | 77778       | -466         | -58        | .          | 16                | 8.1             | 21                 | 13.7             | 23                | 26.1            | 16                 | 13.9             | 11                | 5.4             | 16                 | 10.7             | 17                | 15.7            | 15                 | 5.8              |
| 20          | 86335       | -546         | -53        | .          | 13                | 7.9             | 14                 | 6.0              | 14                | 3.3             | 12                 | 5.0              | 9                 | 6.0             | 10                 | 9.5              | 12                | 7.9             | 7                  | 3.6              |
| 10          | 101289      | -596         | -46        | .          | 25                | 15.9            | 27                 | 12.0             | 28                | 6.7             | 24                 | 10.2             | 19                | 12.0            | 21                 | 19.1             | 23                | 15.9            | 15                 | 7.4              |

FEB Latitude=12.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 21         | 9                 | 1.7             | 10                 | 35.1             | 10                | 51.7            | 10                 | 9.9              | 1                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.7              |
| 1000        | 367         | 3            | 24         | 19         | 7                 | 1.5             | 11                 | 30.0             | 12                | 51.4            | 10                 | 12.5             | 5                 | 3.0             | 5                  | 0.3              | 3                 | 0.1             | 2                  | 0.5              |
| 850         | 4971        | 191          | 17         | 5          | 10                | 1.9             | 14                 | 17.3             | 13                | 32.8            | 12                 | 33.9             | 11                | 10.4            | 9                  | 2.1              | 3                 | 0.7             | 5                  | 0.5              |
| 700         | 10332       | 450          | 10         | -6         | 11                | 9.3             | 10                 | 22.6             | 12                | 22.9            | 12                 | 15.7             | 8                 | 8.6             | 9                  | 6.1              | 8                 | 8.3             | 7                  | 5.4              |
| 500         | 19238       | 949          | -6         | -22        | 12                | 8.4             | 12                 | 13.4             | 16                | 17.3            | 13                 | 8.1              | 10                | 6.0             | 13                 | 10.6             | 16                | 19.4            | 15                 | 16.6             |
| 400         | 24857       | 1283         | -17        | -32        | 15                | 8.3             | 15                 | 9.7              | 14                | 9.3             | 15                 | 9.3              | 14                | 7.2             | 19                 | 11.4             | 22                | 29.1            | 20                 | 15.1             |
| 300         | 31745       | 1680         | -32        | -46        | 16                | 8.6             | 13                 | 5.8              | 11                | 4.2             | 12                 | 6.5              | 12                | 7.5             | 24                 | 11.4             | 28                | 36.5            | 23                 | 18.5             |
| 250         | 35872       | 1873         | -42        | .          | 19                | 7.4             | 13                 | 5.3              | 14                | 3.1             | 13                 | 3.1              | 16                | 7.2             | 24                 | 13.9             | 32                | 36.9            | 25                 | 22.2             |
| 200         | 40712       | 2050         | -54        | .          | 17                | 4.5             | 12                 | 4.5              | 14                | 5.6             | 14                 | 3.8              | 17                | 6.7             | 24                 | 16.4             | 32                | 36.9            | 26                 | 21.0             |
| 150         | 46604       | 1957         | -67        | .          | 14                | 5.8             | 12                 | 2.6              | 16                | 4.5             | 17                 | 9.5              | 16                | 6.8             | 20                 | 14.1             | 30                | 38.1            | 24                 | 17.6             |
| 100         | 54383       | 1300         | -77        | .          | 15                | 6.3             | 11                 | 3.7              | 14                | 7.4             | 14                 | 13.2             | 13                | 5.8             | 18                 | 17.3             | 23                | 30.7            | 18                 | 15.0             |
| 70          | 61072       | 568          | -75        | .          | 13                | 5.9             | 14                 | 9.6              | 15                | 18.3            | 14                 | 10.8             | 12                | 7.2             | 17                 | 14.3             | 20                | 22.8            | 15                 | 10.4             |
| 50          | 67535       | 28           | -67        | .          | 10                | 4.2             | 19                 | 15.9             | 19                | 19.2            | 14                 | 10.0             | 14                | 8.4             | 19                 | 14.3             | 19                | 17.3            | 14                 | 9.8              |
| 30          | 77780       | -464         | -58        | .          | 15                | 3.7             | 26                 | 18.3             | 24                | 27.5            | 16                 | 11.3             | 11                | 6.7             | 18                 | 9.7              | 19                | 16.7            | 12                 | 5.6              |
| 20          | 86337       | -544         | -53        | .          | 10                | 5.0             | 19                 | 10.7             | 14                | 2.6             | 10                 | 4.5              | 7                 | 6.1             | 11                 | 10.5             | 11                | 7.2             | 6                  | 2.6              |
| 10          | 101287      | -598         | -46        | .          | 20                | 10.2            | 39                 | 21.6             | 28                | 5.3             | 21                 | 9.2              | 14                | 12.4            | 22                 | 21.2             | 23                | 14.5            | 13                 | 5.3              |

FEB Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 22         | 10                | 5.3             | 10                 | 51.4             | 8                 | 32.9            | 8                  | 9.5              | 0                 | 0.0             | 0                  | 0.0              | 3                 | 0.3             | 3                  | 0.3              |
| 1000        | 372         | 8            | 24         | 20         | 10                | 4.5             | 13                 | 40.9             | 10                | 36.5            | 9                  | 14.8             | 7                 | 2.8             | 0                  | 0.0              | 3                 | 0.1             | 0                  | 0.0              |
| 850         | 4972        | 192          | 17         | 4          | 9                 | 3.1             | 13                 | 22.4             | 13                | 34.4            | 13                 | 27.3             | 12                | 9.3             | 7                  | 1.2              | 3                 | 1.0             | 6                  | 0.7              |
| 700         | 10329       | 447          | 10         | -7         | 11                | 12.7            | 11                 | 19.7             | 13                | 27.5            | 11                 | 14.3             | 10                | 6.7             | 8                  | 5.8              | 9                 | 5.4             | 8                  | 6.8              |
| 500         | 19239       | 950          | -6         | -22        | 13                | 9.5             | 14                 | 13.6             | 17                | 16.2            | 13                 | 9.3              | 10                | 4.4             | 15                 | 9.5              | 17                | 19.6            | 14                 | 16.9             |
| 400         | 24855       | 1281         | -17        | -32        | 15                | 8.6             | 16                 | 9.3              | 14                | 9.7             | 17                 | 9.0              | 14                | 5.6             | 20                 | 13.0             | 22                | 28.9            | 22                 | 15.0             |
| 300         | 31740       | 1675         | -32        | -47        | 15                | 8.4             | 12                 | 5.3              | 11                | 6.8             | 13                 | 5.4              | 13                | 6.7             | 28                 | 13.7             | 28                | 36.2            | 24                 | 17.1             |
| 250         | 35868       | 1869         | -42        | .          | 16                | 9.5             | 12                 | 4.5              | 11                | 3.5             | 14                 | 2.2              | 14                | 6.7             | 26                 | 16.4             | 32                | 38.5            | 26                 | 18.1             |
| 200         | 40708       | 2046         | -54        | .          | 15                | 4.5             | 11                 | 4.4              | 15                | 5.6             | 16                 | 3.3              | 17                | 4.9             | 27                 | 18.1             | 31                | 38.3            | 26                 | 20.3             |
| 150         | 46599       | 1952         | -67        | .          | 15                | 3.1             | 14                 | 3.1              | 19                | 4.5             | 18                 | 9.0              | 15                | 7.7             | 26                 | 15.5             | 28                | 40.6            | 22                 | 15.7             |
| 100         | 54379       | 1296         | -77        | .          | 13                | 6.0             | 11                 | 3.7              | 15                | 8.3             | 15                 | 12.5             | 11                | 7.0             | 20                 | 17.3             | 23                | 33.0            | 17                 | 12.0             |
| 70          | 61068       | 564          | -75        | .          | 11                | 4.9             | 14                 | 9.0              | 17                | 20.4            | 12                 | 10.4             | 12                | 5.3             | 18                 | 12.4             | 19                | 24.6            | 14                 | 12.4             |
| 50          | 67534       | 27           | -67        | .          | 12                | 4.5             | 20                 | 13.0             | 20                | 23.1            | 12                 | 11.1             | 14                | 7.9             | 18                 | 12.7             | 20                | 17.6            | 12                 | 9.5              |
| 30          | 77776       | -468         | -58        | .          | 14                | 3.8             | 30                 | 17.6             | 24                | 30.3            | 15                 | 9.3              | 12                | 7.2             | 19                 | 9.8              | 20                | 16.2            | 12                 | 5.3              |
| 20          | 86329       | -552         | -54        | .          | 8                 | 5.0             | 24                 | 11.1             | 12                | 4.3             | 10                 | 3.5              | 7                 | 4.5             | 10                 | 10.0             | 11                | 7.3             | 7                  | 3.1              |
| 10          | 101268      | -617         | -46        | .          | 16                | 10.2            | 47                 | 22.3             | 24                | 8.8             | 20                 | 7.0              | 13                | 9.2             | 21                 | 20.2             | 22                | 14.8            | 15                 | 6.3              |

MAR Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 13         | 0                 | 0.0             | 4                  | 1.6              | 6                 | 19.0            | 6                  | 54.5             | 7                 | 24.1            | 3                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 308         | -56          | 30         | 20         | 0                 | 0.0             | 6                  | 1.7              | 8                 | 13.5            | 9                  | 44.6             | 9                 | 34.5            | 7                  | 4.6              | 5                 | 0.4             | 0                  | 0.0              |
| 850         | 4917        | 137          | 23         | 13         | 0                 | 0.0             | 6                  | 1.7              | 10                | 13.7            | 11                 | 45.1             | 11                | 34.8            | 9                  | 3.8              | 5                 | 0.4             | 0                  | 0.0              |
| 700         | 10343       | 461          | 10         | 5          | 6                 | 7.7             | 8                  | 17.0             | 10                | 33.3            | 10                 | 14.8             | 6                 | 8.5             | 7                  | 5.8              | 5                 | 6.4             | 5                  | 3.5              |
| 500         | 19259       | 970          | -6         | -19        | 10                | 11.1            | 13                 | 23.7             | 16                | 39.3            | 11                 | 10.1             | 10                | 4.1             | 9                  | 2.2              | 7                 | 4.0             | 9                  | 4.5              |
| 400         | 24886       | 1312         | -17        | -29        | 12                | 10.6            | 15                 | 18.7             | 17                | 36.1            | 11                 | 11.6             | 8                 | 5.6             | 9                  | 4.3              | 10                | 6.1             | 10                 | 6.1              |
| 300         | 31773       | 1708         | -31        | -45        | 17                | 12.7            | 16                 | 17.4             | 16                | 23.7            | 15                 | 12.0             | 12                | 5.6             | 11                 | 5.9              | 18                | 11.1            | 17                 | 10.9             |
| 250         | 35924       | 1925         | -42        | .          | 17                | 14.5            | 15                 | 14.5             | 19                | 13.3            | 16                 | 9.1              | 11                | 6.4             | 12                 | 9.0              | 20                | 15.1            | 20                 | 17.5             |
| 200         | 40781       | 2119         | -53        | .          | 14                | 13.5            | 16                 | 11.4             | 20                | 10.6            | 17                 | 7.2              | 14                | 6.9             | 16                 | 6.7              | 21                | 21.7            | 20                 | 21.6             |
| 150         | 46685       | 2038         | -68        | .          | 15                | 13.5            | 14                 | 8.2              | 16                | 8.0             | 21                 | 9.6              | 14                | 4.9             | 14                 | 9.0              | 20                | 22.0            | 21                 | 24.0             |
| 100         | 54419       | 1336         | -77        | .          | 13                | 14.3            | 11                 | 10.1             | 14                | 10.6            | 14                 | 8.7              | 12                | 7.5             | 13                 | 12.0             | 16                | 19.0            | 16                 | 17.2             |
| 70          | 61080       | 576          | -76        | .          | 10                | 10.7            | 11                 | 9.3              | 15                | 18.1            | 13                 | 18.2             | 13                | 10.0            | 14                 | 8.2              | 16                | 14.1            | 14                 | 11.1             |
| 50          | 67574       | 67           | -66        | .          | 13                | 7.5             | 13                 | 9.5              | 20                | 19.3            | 15                 | 13.7             | 14                | 7.5             | 14                 | 12.7             | 15                | 15.9            | 15                 | 12.9             |
| 30          | 77939       | -305         | -58        | .          | 14                | 6.2             | 21                 | 11.4             | 25                | 24.8            | 19                 | 13.7             | 15                | 9.1             | 16                 | 9.0              | 17                | 13.2            | 20                 | 12.0             |
| 20          | 86570       | -311         | -52        | .          | 15                | 2.3             | 12                 | 2.8              | 13                | 13.1            | 13                 | 8.8              | 11                | 4.7             | 12                 | 4.3              | 16                | 5.9             | 17                 | 7.3              |
| 10          | 101433      | -452         | -40        | .          | 31                | 4.8             | 24                 | 5.8              | 26                | 26.4            | 27                 | 17.7             | 21                | 9.6             | 24                 | 8.7              | 32                | 11.9            | 35                 | 14.8             |

MAR Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 14         | 0                 | 0.0             | 8                  | 0.6              | 8                 | 40.3            | 8                  | 49.3             | 8                 | 9.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 304         | -60          | 29         | 19         | 5                 | 0.1             | 7                  | 1.7              | 10                | 29.1            | 10                 | 46.4             | 10                | 18.8            | 8                  | 3.2              | 5                 | 0.1             | 0                  | 0.0              |
| 850         | 4930        | 150          | 21         | 13         | 0                 | 0.0             | 10                 | 2.7              | 13                | 38.7            | 12                 | 36.1             | 10                | 18.8            | 9                  | 3.2              | 0                 | 0.0             | 5                  | 0.1              |
| 700         | 10335       | 453          | 10         | 4          | 8                 | 10.1            | 10                 | 35.4             | 12                | 22.5            | 9                  | 9.8              | 8                 | 6.4             | 8                  | 4.3              | 6                 | 4.8             | 6                  | 4.9              |
| 500         | 19260       | 971          | -6         | -19        | 10                | 9.8             | 13                 | 23.3             | 16                | 42.0            | 12                 | 10.1             | 8                 | 3.7             | 10                 | 2.5              | 7                 | 2.7             | 7                  | 5.1              |
| 400         | 24879       | 1305         | -17        | -30        | 13                | 12.2            | 14                 | 18.2             | 17                | 35.6            | 14                 | 10.3             | 11                | 5.6             | 9                  | 3.8              | 11                | 7.4             | 8                  | 6.2              |
| 300         | 31775       | 1710         | -32        | -45        | 17                | 12.5            | 16                 | 14.1             | 16                | 24.1            | 14                 | 11.2             | 12                | 6.2             | 12                 | 7.2              | 18                | 11.7            | 16                 | 12.0             |
| 250         | 35923       | 1924         | -42        | .          | 18                | 10.6            | 15                 | 11.6             | 18                | 12.9            | 14                 | 10.8             | 12                | 6.7             | 14                 | 12.5             | 21                | 15.1            | 21                 | 19.0             |
| 200         | 40778       | 2116         | -53        | .          | 16                | 10.6            | 13                 | 8.5              | 18                | 13.0            | 17                 | 9.6              | 12                | 7.9             | 17                 | 9.1              | 22                | 23.0            | 21                 | 19.6             |
| 150         | 46682       | 2035         | -68        | .          | 14                | 10.6            | 16                 | 6.1              | 15                | 9.8             | 20                 | 9.0              | 13                | 5.4             | 16                 | 12.2             | 21                | 22.9            | 21                 | 22.5             |
| 100         | 54420       | 1337         | -77        | .          | 13                | 12.4            | 12                 | 9.9              | 13                | 11.7            | 16                 | 9.0              | 12                | 6.4             | 14                 | 13.2             | 15                | 19.5            | 16                 | 17.2             |
| 70          | 61087       | 583          | -76        | .          | 13                | 8.4             | 12                 | 9.1              | 15                | 18.9            | 13                 | 17.2             | 11                | 11.8            | 13                 | 10.2             | 17                | 12.7            | 14                 | 11.1             |
| 50          | 67575       | 68           | -66        | .          | 14                | 7.7             | 14                 | 8.3              | 19                | 22.4            | 14                 | 13.2             | 13                | 8.3             | 15                 | 11.4             | 15                | 14.6            | 13                 | 13.5             |
| 30          | 77932       | -312         | -58        | .          | 18                | 6.4             | 20                 | 11.6             | 26                | 27.7            | 19                 | 10.1             | 14                | 8.5             | 16                 | 9.9              | 17                | 11.7            | 19                 | 13.3             |
| 20          | 86559       | -322         | -52        | .          | 16                | 2.8             | 10                 | 3.5              | 13                | 12.6            | 15                 | 9.7              | 10                | 3.1             | 11                 | 4.1              | 14                | 3.8             | 17                 | 9.6              |
| 10          | 101432      | -453         | -40        | .          | 31                | 5.8             | 21                 | 7.0              | 26                | 25.4            | 30                 | 19.6             | 19                | 6.4             | 22                 | 8.3              | 28                | 7.7             | 34                 | 19.3             |

MAR Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | SE   | SE    | S    | S     | SW   | SW    | W    | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 16  | 0     | 0.0  | 10    | 5.4  | 9     | 34.8 | 8     | 4.1  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 308    | -56  | 28  | 19  | 5     | 0.3  | 10    | 5.3  | 11    | 46.9 | 10    | 8.5  | 5     | 0.9  | 4     | 0.3  | 0     | 0.0  |
| 850  | 4938   | 158  | 19  | 12  | 9     | 0.6  | 15    | 11.1 | 13    | 45.9 | 10    | 11.1 | 8     | 1.4  | 4     | 0.3  | 0     | 0.0  |
| 700  | 10333  | 451  | 10  | 0   | 9     | 10.1 | 13    | 35.4 | 13    | 27.7 | 10    | 10.1 | 9     | 3.2  | 5     | 3.8  | 7     | 3.2  |
| 500  | 19253  | 964  | -6  | -19 | 9     | 9.0  | 14    | 23.8 | 16    | 43.0 | 11    | 7.7  | 8     | 4.5  | 7     | 4.5  | 8     | 4.6  |
| 400  | 24877  | 1303 | -17 | -31 | 12    | 15.9 | 15    | 18.0 | 19    | 31.9 | 17    | 10.6 | 11    | 4.6  | 13    | 6.7  | 9     | 7.0  |
| 300  | 31776  | 1711 | -32 | -46 | 16    | 12.9 | 16    | 13.2 | 16    | 19.9 | 13    | 12.7 | 14    | 7.5  | 18    | 12.7 | 17    | 11.7 |
| 250  | 35922  | 1923 | -42 | .   | 19    | 10.6 | 17    | 9.3  | 18    | 14.1 | 14    | 9.5  | 13    | 11.9 | 21    | 17.0 | 22    | 16.9 |
| 200  | 40776  | 2114 | -53 | .   | 17    | 11.1 | 18    | 6.1  | 19    | 11.2 | 17    | 9.3  | 15    | 13.3 | 24    | 22.2 | 22    | 15.9 |
| 150  | 46678  | 2031 | -68 | .   | 16    | 8.3  | 13    | 5.6  | 19    | 9.3  | 20    | 10.9 | 13    | 7.4  | 19    | 15.3 | 20    | 17.9 |
| 100  | 54422  | 1339 | -77 | .   | 15    | 9.3  | 11    | 10.1 | 14    | 12.4 | 14    | 10.3 | 11    | 8.2  | 16    | 19.5 | 14    | 16.1 |
| 70   | 61094  | 590  | -76 | .   | 10    | 5.7  | 12    | 8.2  | 15    | 20.6 | 13    | 17.2 | 11    | 11.6 | 16    | 14.3 | 13    | 10.3 |
| 50   | 67577  | 70   | -66 | .   | 13    | 8.7  | 15    | 7.0  | 19    | 25.6 | 14    | 10.9 | 13    | 7.0  | 16    | 12.0 | 14    | 12.9 |
| 30   | 77929  | -315 | -59 | .   | 19    | 10.3 | 20    | 8.2  | 28    | 30.6 | 18    | 10.3 | 17    | 6.6  | 15    | 10.6 | 18    | 9.9  |
| 20   | 86552  | -329 | -52 | .   | 17    | 5.5  | 12    | 4.5  | 13    | 12.8 | 13    | 8.1  | 8     | 3.0  | 11    | 2.6  | 15    | 7.6  |
| 10   | 101432 | -453 | -40 | .   | 33    | 11.2 | 25    | 9.0  | 27    | 25.8 | 27    | 16.4 | 17    | 6.1  | 22    | 5.4  | 31    | 15.4 |

MAR Latitude= 7.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | SE   | SE    | S    | S     | SW   | SW    | W    | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 23  | 6     | 0.6  | 11    | 41.6 | 11    | 43.8 | 9     | 10.6 | 9     | 2.5  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 312    | -52  | 26  | 21  | 5     | 0.9  | 11    | 28.0 | 12    | 46.9 | 9     | 18.0 | 8     | 4.3  | 4     | 0.9  | 1     | 0.1  |
| 850  | 4941   | 161  | 18  | 9   | 8     | 2.0  | 16    | 22.2 | 13    | 42.2 | 11    | 20.9 | 10    | 9.9  | 8     | 1.9  | 4     | 0.4  |
| 700  | 10325  | 443  | 10  | -3  | 8     | 5.6  | 12    | 30.3 | 13    | 34.1 | 9     | 14.0 | 7     | 5.1  | 7     | 4.9  | 6     | 1.2  |
| 500  | 19249  | 960  | -5  | -20 | 11    | 7.7  | 14    | 22.0 | 17    | 44.3 | 11    | 6.9  | 8     | 4.8  | 6     | 4.0  | 7     | 4.5  |
| 400  | 24876  | 1302 | -16 | -31 | 11    | 14.9 | 17    | 18.2 | 20    | 29.9 | 15    | 10.9 | 12    | 4.8  | 12    | 5.1  | 14    | 6.7  |
| 300  | 31781  | 1716 | -32 | -46 | 17    | 11.4 | 14    | 13.7 | 18    | 17.2 | 15    | 12.2 | 15    | 7.5  | 18    | 10.8 | 18    | 13.5 |
| 250  | 35923  | 1924 | -41 | .   | 19    | 11.4 | 18    | 8.0  | 18    | 13.3 | 14    | 9.3  | 17    | 11.2 | 20    | 13.3 | 22    | 17.9 |
| 200  | 40778  | 2116 | -53 | .   | 18    | 8.2  | 19    | 5.6  | 19    | 10.3 | 18    | 9.6  | 16    | 11.9 | 21    | 16.1 | 25    | 22.7 |
| 150  | 46676  | 2029 | -68 | .   | 17    | 6.9  | 14    | 5.1  | 19    | 8.5  | 21    | 13.0 | 16    | 9.1  | 21    | 16.2 | 21    | 25.9 |
| 100  | 54431  | 1348 | -77 | .   | 13    | 8.8  | 13    | 7.9  | 14    | 11.9 | 13    | 12.4 | 11    | 9.1  | 13    | 15.6 | 16    | 20.1 |
| 70   | 61104  | 600  | -76 | .   | 10    | 3.5  | 12    | 8.9  | 15    | 23.4 | 14    | 13.6 | 11    | 10.9 | 14    | 13.2 | 16    | 16.3 |
| 50   | 67578  | 71   | -66 | .   | 13    | 7.2  | 14    | 8.5  | 20    | 26.2 | 12    | 10.4 | 11    | 6.9  | 15    | 10.4 | 16    | 17.9 |
| 30   | 77916  | -328 | -59 | .   | 21    | 8.3  | 18    | 8.7  | 29    | 32.4 | 17    | 9.1  | 12    | 7.4  | 14    | 10.3 | 19    | 13.5 |
| 20   | 86532  | -349 | -52 | .   | 19    | 5.4  | 12    | 6.0  | 13    | 15.2 | 12    | 4.7  | 10    | 2.6  | 9     | 2.6  | 14    | 5.7  |
| 10   | 101425 | -460 | -41 | .   | 38    | 10.9 | 24    | 12.2 | 26    | 30.6 | 24    | 9.6  | 21    | 5.4  | 18    | 5.4  | 27    | 11.6 |

MAR Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 10                | 1.2             | 10                 | 60.6             | 7                 | 29.6            | 5                  | 5.8              | 6                 | 1.6             | 4                  | 0.3              | 3                 | 0.3             | 0                  | 0.0              |
| 1000        | 310         | -54          | 25         | 22         | 8                 | 2.5             | 11                 | 51.6             | 9                 | 32.7            | 7                  | 8.5              | 6                 | 2.4             | 2                  | 0.9              | 4                 | 0.1             | 4                  | 0.6              |
| 850         | 4942        | 162          | 18         | 9          | 0                 | 0.0             | 13                 | 18.3             | 14                | 48.0            | 12                 | 26.1             | 9                 | 5.6             | 7                  | 1.1              | 3                 | 0.3             | 2                  | 0.1              |
| 700         | 10322       | 440          | 10         | -4         | 6                 | 3.8             | 12                 | 27.4             | 13                | 34.8            | 9                  | 15.9             | 7                 | 6.6             | 7                  | 5.3              | 6                 | 2.5             | 5                  | 2.9              |
| 500         | 19247       | 958          | -5         | -20        | 11                | 8.5             | 16                 | 26.2             | 17                | 38.3            | 12                 | 6.9              | 8                 | 5.3             | 8                  | 5.4              | 8                 | 3.5             | 8                  | 5.1              |
| 400         | 24877       | 1303         | -17        | -31        | 13                | 13.2            | 18                 | 18.0             | 19                | 30.8            | 17                 | 7.9              | 10                | 4.8             | 12                 | 7.0              | 14                | 8.3             | 11                 | 9.1              |
| 300         | 31785       | 1720         | -32        | -46        | 14                | 12.0            | 14                 | 12.0             | 19                | 16.9            | 15                 | 11.4             | 14                | 8.7             | 20                 | 12.4             | 20                | 12.9            | 18                 | 13.3             |
| 250         | 35925       | 1926         | -41        | .          | 17                | 9.6             | 18                 | 8.2              | 17                | 12.4            | 16                 | 10.4             | 18                | 12.2            | 23                 | 13.7             | 23                | 20.1            | 21                 | 12.7             |
| 200         | 40779       | 2117         | -53        | .          | 15                | 7.7             | 18                 | 6.9              | 18                | 8.8             | 17                 | 9.6              | 18                | 11.7            | 24                 | 15.9             | 25                | 26.6            | 21                 | 12.4             |
| 150         | 46675       | 2028         | -68        | .          | 15                | 7.0             | 14                 | 4.3              | 17                | 10.6            | 20                 | 13.5             | 18                | 11.7            | 22                 | 16.6             | 23                | 21.9            | 22                 | 13.5             |
| 100         | 54436       | 1353         | -77        | .          | 13                | 7.7             | 13                 | 9.0              | 15                | 13.8            | 14                 | 9.8              | 9                 | 10.1            | 13                 | 15.8             | 17                | 20.1            | 15                 | 12.2             |
| 70          | 61109       | 605          | -76        | .          | 9                 | 5.0             | 13                 | 10.0             | 16                | 22.5            | 13                 | 14.1             | 12                | 8.9             | 13                 | 12.1             | 17                | 16.3            | 13                 | 10.5             |
| 50          | 67577       | 70           | -67        | .          | 14                | 4.0             | 14                 | 9.6              | 21                | 26.6            | 12                 | 11.6             | 10                | 4.9             | 12                 | 9.1              | 17                | 19.5            | 14                 | 14.1             |
| 30          | 77905       | -339         | -59        | .          | 18                | 6.7             | 20                 | 7.4              | 30                | 33.8            | 15                 | 10.1             | 10                | 5.9             | 13                 | 7.4              | 19                | 18.7            | 17                 | 9.5              |
| 20          | 86517       | -364         | -52        | .          | 17                | 5.4             | 13                 | 6.5              | 12                | 14.7            | 12                 | 4.5              | 9                 | 3.3             | 8                  | 1.8              | 14                | 6.8             | 15                 | 5.9              |
| 10          | 101411      | -474         | -41        | .          | 34                | 10.9            | 27                 | 13.2             | 24                | 29.6            | 24                 | 9.0              | 18                | 6.7             | 16                 | 3.8              | 27                | 13.8            | 31                 | 11.9             |

MAR Latitude=10.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 14         | 4                 | 2.9             | 7                  | 14.8             | 6                 | 45.8            | 5                  | 31.9             | 5                 | 3.2             | 3                  | 0.3              | 0                 | 0.0             | 3                  | 0.6              |
| 1000        | 308         | -56          | 30         | 21         | 6                 | 2.5             | 9                  | 18.2             | 9                 | 39.8            | 9                  | 28.5             | 9                 | 7.9             | 5                  | 1.7              | 7                 | 0.3             | 5                  | 0.6              |
| 850         | 4909        | 129          | 22         | 14         | 7                 | 1.4             | 9                  | 10.6             | 10                | 41.2            | 10                 | 34.8             | 11                | 8.8             | 7                  | 1.2              | 6                 | 0.3             | 5                  | 1.1              |
| 700         | 10349       | 467          | 11         | 5          | 4                 | 1.2             | 5                  | 4.0              | 10                | 20.1            | 10                 | 36.1             | 9                 | 24.8            | 8                  | 9.3              | 5                 | 2.2             | 4                  | 1.4              |
| 500         | 19267       | 978          | -6         | -19        | 11                | 10.4            | 12                 | 20.8             | 15                | 29.0            | 10                 | 12.4             | 9                 | 5.8             | 8                  | 6.1              | 10                | 6.7             | 10                 | 8.3              |
| 400         | 24891       | 1317         | -17        | -29        | 14                | 11.2            | 14                 | 17.0             | 17                | 26.2            | 10                 | 9.9              | 10                | 7.7             | 11                 | 7.2              | 13                | 10.4            | 11                 | 9.6              |
| 300         | 31770       | 1705         | -32        | -44        | 19                | 14.0            | 17                 | 12.7             | 15                | 16.6            | 14                 | 8.0              | 12                | 5.4             | 15                 | 7.7              | 19                | 17.9            | 19                 | 17.0             |
| 250         | 35922       | 1923         | -42        | .          | 18                | 14.0            | 16                 | 11.6             | 17                | 9.3             | 15                 | 7.5              | 12                | 4.5             | 16                 | 10.6             | 23                | 21.1            | 24                 | 20.9             |
| 200         | 40778       | 2116         | -53        | .          | 19                | 9.3             | 16                 | 10.1             | 18                | 8.5             | 16                 | 5.6              | 14                | 5.6             | 20                 | 8.2              | 24                | 30.6            | 24                 | 21.7             |
| 150         | 46683       | 2036         | -68        | .          | 16                | 11.9            | 14                 | 7.0              | 15                | 4.8             | 20                 | 7.5              | 16                | 3.8             | 17                 | 10.1             | 23                | 28.8            | 23                 | 25.4             |
| 100         | 54421       | 1338         | -77        | .          | 13                | 12.5            | 11                 | 8.5              | 13                | 7.5             | 13                 | 8.2              | 12                | 7.9             | 14                 | 10.3             | 17                | 23.5            | 18                 | 21.1             |
| 70          | 61087       | 583          | -76        | .          | 11                | 9.6             | 10                 | 10.5             | 15                | 16.3            | 12                 | 14.1             | 13                | 12.3            | 12                 | 11.4             | 17                | 13.7            | 15                 | 10.9             |
| 50          | 67582       | 75           | -66        | .          | 11                | 7.2             | 14                 | 9.1              | 19                | 20.1            | 14                 | 14.8             | 13                | 8.2             | 13                 | 11.6             | 15                | 18.0            | 15                 | 10.6             |
| 30          | 77949       | -295         | -58        | .          | 14                | 6.4             | 18                 | 9.3              | 25                | 25.3            | 19                 | 15.6             | 13                | 9.3             | 12                 | 10.3             | 13                | 12.0            | 16                 | 11.4             |
| 20          | 86580       | -301         | -52        | .          | 12                | 4.0             | 9                  | 2.3              | 12                | 9.9             | 16                 | 8.5              | 9                 | 5.9             | 10                 | 6.0              | 10                | 6.2             | 14                 | 6.5              |
| 10          | 101457      | -428         | -40        | .          | 23                | 8.0             | 19                 | 4.8              | 24                | 19.9            | 32                 | 17.0             | 18                | 11.9            | 20                 | 12.2             | 21                | 12.5            | 28                 | 13.2             |

MAR Latitude=10.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 16         | 7                 | 16.4            | 6                  | 29.0             | 6                 | 25.1            | 5                  | 22.2             | 6                 | 4.1             | 9                  | 0.3              | 3                 | 0.9             | 5                  | 0.9              |
| 1000        | 308         | -56          | 28         | 21         | 12                | 11.7            | 10                 | 31.2             | 9                 | 31.9            | 7                  | 13.8             | 9                 | 6.7             | 6                  | 1.6              | 3                 | 0.6             | 6                  | 1.4              |
| 850         | 4930        | 150          | 21         | 14         | 6                 | 2.4             | 9                  | 13.8             | 10                | 32.9            | 11                 | 34.9             | 11                | 12.7            | 9                  | 1.9              | 5                 | 0.6             | 6                  | 0.3              |
| 700         | 10345       | 463          | 10         | 3          | 5                 | 3.8             | 7                  | 9.1              | 10                | 28.8            | 9                  | 22.7             | 8                 | 14.9            | 8                  | 10.6             | 5                 | 4.9             | 4                  | 3.0              |
| 500         | 19267       | 978          | -6         | -20        | 10                | 10.6            | 12                 | 22.9             | 15                | 33.0            | 10                 | 10.3             | 11                | 4.3             | 8                  | 5.4              | 10                | 4.6             | 10                 | 7.5              |
| 400         | 24885       | 1311         | -17        | -30        | 14                | 13.0            | 15                 | 14.6             | 16                | 24.5            | 12                 | 11.2             | 12                | 7.4             | 10                 | 7.5              | 12                | 10.3            | 12                 | 10.8             |
| 300         | 31772       | 1707         | -32        | -45        | 19                | 15.3            | 14                 | 10.6             | 15                | 17.0            | 13                 | 7.4              | 13                | 4.8             | 16                 | 8.7              | 18                | 19.6            | 19                 | 15.9             |
| 250         | 35916       | 1917         | -42        | .          | 20                | 11.1            | 16                 | 8.8              | 16                | 10.9            | 15                 | 7.9              | 12                | 5.3             | 18                 | 12.7             | 23                | 22.0            | 24                 | 20.8             |
| 200         | 40770       | 2108         | -53        | .          | 18                | 8.2             | 13                 | 7.9              | 19                | 10.1            | 15                 | 6.4              | 14                | 5.1             | 16                 | 11.7             | 26                | 29.1            | 25                 | 20.8             |
| 150         | 46672       | 2025         | -68        | .          | 15                | 8.8             | 14                 | 5.4              | 15                | 6.6             | 22                 | 6.4              | 14                | 6.2             | 18                 | 13.2             | 23                | 28.2            | 24                 | 24.6             |
| 100         | 54419       | 1336         | -77        | .          | 13                | 10.9            | 11                 | 8.8              | 13                | 8.8             | 14                 | 8.5              | 12                | 8.0             | 14                 | 13.0             | 17                | 21.7            | 19                 | 19.5             |
| 70          | 61089       | 585          | -76        | .          | 12                | 8.6             | 10                 | 9.4              | 14                | 18.8            | 12                 | 14.8             | 12                | 12.3            | 13                 | 11.1             | 17                | 15.7            | 15                 | 8.4              |
| 50          | 67575       | 68           | -66        | .          | 13                | 6.4             | 12                 | 9.1              | 18                | 22.9            | 14                 | 13.3             | 12                | 8.8             | 13                 | 10.9             | 16                | 18.3            | 14                 | 9.6              |
| 30          | 77925       | -319         | -58        | .          | 14                | 7.9             | 16                 | 9.6              | 24                | 29.8            | 19                 | 10.9             | 12                | 9.9             | 14                 | 8.8              | 15                | 12.5            | 15                 | 9.8              |
| 20          | 86552       | -329         | -52        | .          | 13                | 5.4             | 10                 | 4.6              | 12                | 9.1             | 13                 | 10.4             | 8                 | 4.0             | 10                 | 5.7              | 11                | 3.6             | 12                 | 6.5              |
| 10          | 101446      | -439         | -41        | .          | 26                | 10.9            | 19                 | 9.3              | 24                | 18.3            | 26                 | 20.9             | 17                | 8.0             | 21                 | 11.6             | 21                | 7.4             | 24                 | 13.2             |

MAR Latitude=10.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 14         | 5                 | 2.5             | 8                  | 21.6             | 7                 | 34.8            | 7                  | 33.5             | 7                 | 5.8             | 3                  | 0.6              | 4                 | 0.6             | 4                  | 0.3              |
| 1000        | 330         | -34          | 29         | 20         | 6                 | 4.3             | 10                 | 19.6             | 9                 | 35.4            | 8                  | 27.9             | 9                 | 8.8             | 5                  | 2.0              | 6                 | 0.4             | 5                  | 0.6              |
| 850         | 4938        | 158          | 20         | 13         | 8                 | 1.1             | 12                 | 11.9             | 11                | 32.7            | 11                 | 36.9             | 11                | 14.0            | 7                  | 2.0              | 5                 | 0.4             | 4                  | 0.3              |
| 700         | 10343       | 461          | 10         | 2          | 8                 | 6.6             | 9                  | 16.4             | 11                | 34.3            | 8                  | 13.5             | 8                 | 9.6             | 6                  | 7.4              | 7                 | 4.9             | 4                  | 5.9              |
| 500         | 19266       | 977          | -6         | -20        | 10                | 8.5             | 13                 | 23.2             | 16                | 32.7            | 10                 | 11.4             | 8                 | 3.3             | 10                 | 5.3              | 8                 | 5.6             | 9                  | 9.0              |
| 400         | 24883       | 1309         | -17        | -31        | 14                | 13.0            | 14                 | 13.5             | 17                | 22.9            | 14                 | 11.4             | 12                | 7.7             | 12                 | 7.4              | 12                | 11.7            | 12                 | 12.0             |
| 300         | 31765       | 1700         | -32        | -46        | 19                | 14.0            | 16                 | 10.6             | 16                | 12.2            | 16                 | 7.5              | 13                | 7.9             | 19                 | 9.6              | 20                | 19.1            | 20                 | 18.5             |
| 250         | 35913       | 1914         | -42        | .          | 21                | 11.1            | 17                 | 6.9              | 16                | 10.1            | 16                 | 7.5              | 16                | 5.9             | 18                 | 13.3             | 24                | 25.0            | 24                 | 19.6             |
| 200         | 40768       | 2106         | -53        | .          | 19                | 8.3             | 15                 | 6.7              | 17                | 8.3             | 16                 | 6.6              | 14                | 8.2             | 18                 | 13.2             | 28                | 28.8            | 26                 | 19.1             |
| 150         | 46670       | 2023         | -68        | .          | 16                | 6.9             | 13                 | 5.8              | 17                | 6.7             | 21                 | 7.7              | 14                | 8.0             | 19                 | 13.5             | 23                | 29.0            | 23                 | 21.7             |
| 100         | 54419       | 1336         | -77        | .          | 12                | 9.8             | 11                 | 6.9              | 13                | 10.4            | 13                 | 8.8              | 12                | 7.7             | 14                 | 15.8             | 17                | 21.1            | 20                 | 18.3             |
| 70          | 61093       | 589          | -76        | .          | 9                 | 6.9             | 10                 | 8.7              | 14                | 18.6            | 12                 | 15.2             | 13                | 12.0            | 13                 | 13.6             | 17                | 17.0            | 17                 | 7.7              |
| 50          | 67576       | 69           | -66        | .          | 10                | 7.4             | 13                 | 10.1             | 18                | 23.7            | 13                 | 12.0             | 12                | 7.7             | 14                 | 11.9             | 16                | 16.4            | 16                 | 9.8              |
| 30          | 77916       | -328         | -58        | .          | 18                | 8.2             | 15                 | 10.1             | 25                | 32.7            | 16                 | 10.3             | 12                | 8.0             | 13                 | 9.5              | 17                | 12.0            | 14                 | 8.7              |
| 20          | 86539       | -342         | -52        | .          | 15                | 6.4             | 11                 | 7.3              | 12                | 10.5            | 11                 | 7.5              | 8                 | 3.5             | 10                 | 4.1              | 11                | 4.0             | 10                 | 5.9              |
| 10          | 101447      | -438         | -41        | .          | 30                | 12.9            | 22                 | 14.8             | 23                | 21.2            | 23                 | 15.1             | 17                | 7.0             | 20                 | 8.3              | 22                | 8.0             | 21                 | 11.9             |

MAR Latitude=10.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 17         | 0                 | 0.0             | 9                  | 15.8             | 9                 | 46.7            | 8                  | 27.0             | 6                 | 9.9             | 8                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 324         | -40          | 28         | 20         | 7                 | 0.4             | 11                 | 13.5             | 11                | 40.6            | 11                 | 34.5             | 9                 | 10.1            | 7                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4949        | 169          | 19         | 11         | 7                 | 1.4             | 12                 | 12.4             | 12                | 34.6            | 11                 | 31.9             | 10                | 16.4            | 12                 | 2.7              | 6                 | 0.3             | 0                  | 0.0              |
| 700         | 10338       | 456          | 10         | -2         | 8                 | 7.2             | 11                 | 28.2             | 13                | 31.6            | 10                 | 8.7              | 8                 | 8.5             | 7                  | 5.6              | 5                 | 4.9             | 6                  | 4.1              |
| 500         | 19260       | 971          | -6         | -21        | 12                | 10.1            | 14                 | 23.0             | 16                | 33.0            | 11                 | 8.7              | 8                 | 4.0             | 9                  | 5.4              | 9                 | 6.9             | 10                 | 8.0              |
| 400         | 24878       | 1304         | -17        | -32        | 15                | 13.7            | 18                 | 13.5             | 17                | 19.5            | 16                 | 12.5             | 9                 | 5.6             | 14                 | 8.2              | 14                | 11.1            | 13                 | 14.9             |
| 300         | 31770       | 1705         | -32        | -47        | 18                | 12.4            | 16                 | 10.8             | 16                | 10.9            | 17                 | 8.3              | 14                | 7.5             | 20                 | 12.7             | 22                | 17.7            | 22                 | 19.0             |
| 250         | 35911       | 1912         | -42        | .          | 19                | 10.4            | 19                 | 7.7              | 17                | 7.9             | 15                 | 6.2              | 16                | 8.5             | 23                 | 15.6             | 25                | 24.5            | 24                 | 18.8             |
| 200         | 40764       | 2102         | -53        | .          | 19                | 5.6             | 18                 | 6.4              | 17                | 6.9             | 16                 | 5.9              | 16                | 10.4            | 22                 | 17.2             | 29                | 29.8            | 24                 | 17.2             |
| 150         | 46664       | 2017         | -68        | .          | 18                | 5.4             | 13                 | 4.8              | 17                | 5.6             | 21                 | 9.3              | 16                | 9.0             | 22                 | 16.9             | 23                | 29.0            | 24                 | 19.3             |
| 100         | 54423       | 1340         | -77        | .          | 12                | 9.9             | 10                 | 5.1              | 14                | 9.8             | 13                 | 10.3             | 11                | 9.5             | 14                 | 14.3             | 17                | 25.3            | 20                 | 15.1             |
| 70          | 61099       | 595          | -76        | .          | 11                | 4.8             | 11                 | 8.7              | 14                | 17.5            | 13                 | 15.2             | 12                | 13.2            | 14                 | 13.7             | 17                | 18.4            | 15                 | 7.7              |
| 50          | 67574       | 67           | -66        | .          | 11                | 6.2             | 12                 | 11.1             | 18                | 24.3            | 14                 | 11.7             | 11                | 7.2             | 16                 | 10.8             | 16                | 16.1            | 15                 | 11.6             |
| 30          | 77908       | -336         | -58        | .          | 20                | 7.5             | 18                 | 9.6              | 26                | 33.7            | 15                 | 10.6             | 12                | 7.5             | 13                 | 8.5              | 18                | 12.9            | 14                 | 9.1              |
| 20          | 86528       | -353         | -52        | .          | 15                | 7.3             | 13                 | 8.0              | 12                | 12.5            | 9                  | 5.4              | 10                | 2.8             | 9                  | 3.8              | 11                | 4.0             | 10                 | 5.5              |
| 10          | 101436      | -449         | -41        | .          | 29                | 14.8            | 26                 | 16.1             | 24                | 25.1            | 17                 | 10.9             | 20                | 5.8             | 17                 | 7.7              | 22                | 8.0             | 21                 | 11.2             |

MAR Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 8                 | 0.6             | 10                 | 39.0             | 8                 | 34.8            | 7                  | 19.0             | 8                 | 6.4             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 324         | -40          | 25         | 22         | 9                 | 0.3             | 11                 | 29.1             | 9                 | 39.5            | 9                  | 22.0             | 10                | 8.3             | 6                  | 0.3              | 0                 | 0.0             | 4                  | 0.1              |
| 850         | 4952        | 172          | 19         | 7          | 6                 | 1.1             | 13                 | 15.3             | 13                | 39.1            | 12                 | 27.4             | 11                | 13.7            | 11                 | 2.0              | 4                 | 0.8             | 4                  | 0.1              |
| 700         | 10333       | 451          | 10         | -5         | 8                 | 5.6             | 12                 | 28.0             | 14                | 34.6            | 9                  | 10.3             | 9                 | 7.9             | 7                  | 5.3              | 6                 | 3.7             | 6                  | 3.3              |
| 500         | 19255       | 966          | -5         | -21        | 13                | 12.2            | 16                 | 21.4             | 17                | 30.6            | 13                 | 9.0              | 9                 | 4.3             | 10                 | 6.2              | 10                | 7.4             | 10                 | 8.5              |
| 400         | 24880       | 1306         | -17        | -32        | 16                | 12.5            | 17                 | 13.5             | 17                | 20.4            | 16                 | 10.8             | 9                 | 3.7             | 14                 | 10.3             | 15                | 11.9            | 13                 | 16.2             |
| 300         | 31778       | 1713         | -32        | -47        | 17                | 9.1             | 16                 | 9.8              | 16                | 9.8             | 16                 | 9.3              | 15                | 6.6             | 22                 | 14.6             | 22                | 19.0            | 21                 | 21.4             |
| 250         | 35914       | 1915         | -42        | .          | 19                | 9.0             | 17                 | 6.7              | 16                | 8.5             | 19                 | 4.9              | 17                | 9.8             | 24                 | 16.9             | 26                | 26.2            | 25                 | 17.2             |
| 200         | 40765       | 2103         | -53        | .          | 16                | 5.3             | 18                 | 6.9              | 16                | 5.6             | 16                 | 4.9              | 18                | 10.6            | 25                 | 18.7             | 29                | 32.2            | 25                 | 15.1             |
| 150         | 46663       | 2016         | -68        | .          | 17                | 5.9             | 13                 | 3.7              | 16                | 6.7             | 22                 | 9.1              | 18                | 9.6             | 22                 | 20.1             | 25                | 28.5            | 24                 | 15.9             |
| 100         | 54433       | 1350         | -77        | .          | 11                | 9.5             | 12                 | 5.3              | 15                | 7.2             | 14                 | 11.1             | 11                | 9.8             | 13                 | 15.8             | 18                | 25.8            | 17                 | 14.8             |
| 70          | 61109       | 605          | -76        | .          | 10                | 4.8             | 11                 | 8.2              | 14                | 19.5            | 14                 | 14.3             | 13                | 11.2            | 14                 | 12.7             | 19                | 17.7            | 13                 | 10.7             |
| 50          | 67576       | 69           | -67        | .          | 12                | 6.2             | 12                 | 9.6              | 19                | 24.8            | 12                 | 11.7             | 10                | 6.9             | 15                 | 8.8              | 17                | 20.4            | 13                 | 10.8             |
| 30          | 77904       | -340         | -58        | .          | 19                | 6.7             | 17                 | 9.6              | 28                | 34.6            | 14                 | 11.4             | 11                | 6.6             | 10                 | 5.4              | 18                | 17.7            | 17                 | 7.5              |
| 20          | 86520       | -361         | -52        | .          | 15                | 5.4             | 14                 | 9.0              | 11                | 13.6            | 8                  | 4.1              | 9                 | 4.3             | 9                  | 2.5              | 10                | 4.1             | 13                 | 6.0              |
| 10          | 101423      | -462         | -41        | .          | 29                | 10.9            | 29                 | 18.0             | 22                | 27.4            | 16                 | 8.3              | 17                | 8.7             | 19                 | 5.1              | 20                | 8.3             | 27                 | 12.2             |

MAR Latitude=12.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 27  | 17  | 6     | 3.8  | 9     | 30.6 | 8     | 0.3  | 0     | 0.0  |
| 1000 | 275    | -89  | 29  | 20  | 8     | 2.9  | 11    | 30.1 | 14    | 2.0  | 6     | 0.8  |
| 850  | 4922   | 142  | 21  | 13  | 10    | 1.1  | 13    | 15.4 | 13    | 5.6  | 7     | 0.4  |
| 700  | 10349  | 467  | 11  | 1   | 5     | 1.4  | 10    | 18.7 | 10    | 23.8 | 7     | 6.4  |
| 500  | 19273  | 984  | -6  | -20 | 10    | 11.7 | 12    | 17.4 | 10    | 7.4  | 12    | 15.8 |
| 400  | 24883  | 1309 | -17 | -30 | 16    | 12.5 | 13    | 12.7 | 9     | 5.1  | 15    | 11.7 |
| 300  | 31768  | 1703 | -32 | -45 | 20    | 14.5 | 14    | 5.6  | 10    | 4.6  | 24    | 28.7 |
| 250  | 35905  | 1906 | -42 | .   | 23    | 13.2 | 14    | 4.1  | 12    | 3.5  | 29    | 32.4 |
| 200  | 40756  | 2094 | -53 | .   | 21    | 8.7  | 14    | 3.8  | 15    | 4.3  | 31    | 40.6 |
| 150  | 46660  | 2013 | -67 | .   | 17    | 6.9  | 10    | 3.5  | 18    | 4.9  | 29    | 39.1 |
| 100  | 54426  | 1343 | -77 | .   | 13    | 8.2  | 12    | 5.1  | 10    | 6.4  | 19    | 31.1 |
| 70   | 61101  | 597  | -76 | .   | 10    | 6.0  | 12    | 13.2 | 11    | 10.9 | 17    | 19.7 |
| 50   | 67576  | 69   | -66 | .   | 9     | 5.9  | 11    | 7.4  | 11    | 10.6 | 17    | 13.6 |
| 30   | 77941  | -303 | -58 | .   | 12    | 3.3  | 14    | 8.0  | 12    | 9.1  | 15    | 12.9 |
| 20   | 86569  | -312 | -52 | .   | 12    | 3.8  | 14    | 8.3  | 9     | 5.7  | 9     | 6.8  |
| 10   | 101480 | -405 | -41 | .   | 24    | 7.7  | 28    | 16.7 | 19    | 11.6 | 19    | 13.8 |

MAR Latitude=12.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 25  | 21  | 5     | 1.6  | 12    | 55.1 | 3     | 1.2  | 8     | 0.6  |
| 1000 | 315    | -49  | 26  | 21  | 5     | 0.9  | 14    | 54.6 | 6     | 2.4  | 6     | 0.6  |
| 850  | 4941   | 161  | 19  | 11  | 3     | 0.4  | 16    | 42.4 | 11    | 11.9 | 6     | 1.2  |
| 700  | 10348  | 466  | 11  | -1  | 6     | 5.6  | 12    | 31.6 | 8     | 11.2 | 8     | 5.6  |
| 500  | 19271  | 982  | -6  | -20 | 10    | 14.5 | 13    | 18.2 | 11    | 6.6  | 13    | 14.5 |
| 400  | 24885  | 1311 | -17 | -31 | 17    | 10.6 | 13    | 12.4 | 13    | 6.2  | 15    | 10.1 |
| 300  | 31768  | 1703 | -32 | -46 | 21    | 12.5 | 12    | 6.4  | 11    | 8.2  | 17    | 23.5 |
| 250  | 35901  | 1902 | -42 | .   | 21    | 11.9 | 15    | 4.5  | 13    | 3.8  | 25    | 29.5 |
| 200  | 40748  | 2086 | -54 | .   | 22    | 6.4  | 14    | 4.8  | 16    | 4.3  | 30    | 33.7 |
| 150  | 46648  | 2001 | -67 | .   | 18    | 7.4  | 12    | 4.1  | 19    | 13.0 | 31    | 40.9 |
| 100  | 54422  | 1339 | -77 | .   | 11    | 9.1  | 10    | 5.4  | 18    | 5.9  | 27    | 35.6 |
| 70   | 61097  | 593  | -76 | .   | 10    | 7.3  | 10    | 8.2  | 11    | 6.9  | 18    | 29.0 |
| 50   | 67568  | 61   | -67 | .   | 10    | 5.1  | 15    | 21.9 | 11    | 11.4 | 19    | 20.6 |
| 30   | 77917  | -327 | -58 | .   | 13    | 4.3  | 22    | 32.2 | 11    | 8.3  | 18    | 18.8 |
| 20   | 86544  | -337 | -52 | .   | 10    | 5.2  | 13    | 11.4 | 11    | 8.2  | 16    | 12.5 |
| 10   | 101469 | -416 | -41 | .   | 19    | 10.6 | 26    | 22.9 | 8     | 6.2  | 7     | 5.5  |

MAR Latitude=12.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 9                 | 0.6             | 12                 | 43.2             | 11                | 52.2            | 6                  | 2.2              | 4                 | 0.3             | 0                  | 0.0              | 3                 | 0.9             | 6                  | 0.3              |
| 1000        | 310         | -54          | 26         | 22         | 6                 | 1.9             | 14                 | 33.3             | 12                | 51.9            | 6                  | 7.0              | 4                 | 2.2             | 4                  | 1.2              | 5                 | 0.9             | 4                  | 0.9              |
| 850         | 4950        | 170          | 19         | 9          | 5                 | 0.4             | 13                 | 3.2              | 13                | 45.4            | 10                 | 30.4             | 10                | 15.3            | 10                 | 3.7              | 5                 | 0.4             | 2                  | 0.3              |
| 700         | 10348       | 466          | 10         | -3         | 7                 | 6.6             | 11                 | 19.5             | 12                | 29.9            | 8                  | 13.3             | 8                 | 10.4            | 9                  | 8.3              | 9                 | 6.2             | 6                  | 4.5              |
| 500         | 19266       | 977          | -6         | -22        | 11                | 12.0            | 13                 | 15.6             | 15                | 17.0            | 10                 | 9.9              | 10                | 7.2             | 11                 | 9.9              | 13                | 15.6            | 12                 | 11.7             |
| 400         | 24881       | 1307         | -17        | -32        | 17                | 11.7            | 13                 | 10.1             | 14                | 10.1            | 12                 | 7.7              | 14                | 7.4             | 15                 | 11.4             | 19                | 23.0            | 17                 | 18.2             |
| 300         | 31769       | 1704         | -32        | -47        | 18                | 12.4            | 12                 | 7.5              | 12                | 5.3             | 15                 | 3.7              | 13                | 4.5             | 21                 | 12.7             | 27                | 29.5            | 24                 | 23.7             |
| 250         | 35898       | 1899         | -42        | .          | 21                | 9.8             | 15                 | 5.3              | 12                | 4.5             | 15                 | 4.3              | 13                | 3.8             | 24                 | 13.7             | 30                | 34.1            | 28                 | 23.8             |
| 200         | 40744       | 2082         | -54        | .          | 21                | 6.1             | 16                 | 5.3              | 17                | 4.0             | 14                 | 3.7              | 17                | 5.3             | 21                 | 15.1             | 32                | 38.3            | 27                 | 21.6             |
| 150         | 46644       | 1997         | -67        | .          | 19                | 6.6             | 13                 | 4.0              | 12                | 4.8             | 12                 | 4.0              | 18                | 5.6             | 19                 | 14.3             | 26                | 36.6            | 27                 | 23.5             |
| 100         | 54423       | 1340         | -76        | .          | 11                | 8.0             | 9                  | 5.3              | 13                | 6.2             | 12                 | 6.4              | 12                | 8.3             | 15                 | 16.2             | 19                | 27.4            | 21                 | 21.2             |
| 70          | 61101       | 597          | -76        | .          | 9                 | 7.8             | 9                  | 7.3              | 12                | 13.9            | 11                 | 10.5             | 11                | 13.2            | 15                 | 16.4             | 19                | 19.7            | 15                 | 9.8              |
| 50          | 67567       | 60           | -67        | .          | 11                | 5.1             | 12                 | 11.1             | 16                | 19.0            | 12                 | 14.9             | 12                | 7.4             | 15                 | 14.0             | 17                | 18.5            | 14                 | 9.0              |
| 30          | 77909       | -335         | -58        | .          | 15                | 7.0             | 15                 | 11.2             | 22                | 32.4            | 15                 | 11.1             | 11                | 9.3             | 13                 | 8.2              | 17                | 12.5            | 14                 | 7.2              |
| 20          | 86532       | -349         | -52        | .          | 12                | 6.5             | 11                 | 7.2              | 11                | 10.5            | 8                  | 5.2              | 8                 | 4.7             | 10                 | 6.4              | 9                 | 4.1             | 10                 | 4.6              |
| 10          | 101464      | -421         | -41        | .          | 24                | 13.2            | 22                 | 14.5             | 22                | 21.2            | 16                 | 10.6             | 17                | 9.6             | 19                 | 12.9             | 18                | 8.3             | 20                 | 9.3              |

MAR Latitude=12.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 6                 | 1.6             | 10                 | 25.4             | 10                | 47.7            | 10                 | 22.2             | 9                 | 2.5             | 6                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 315         | -49          | 26         | 21         | 7                 | 1.4             | 11                 | 21.2             | 11                | 48.0            | 11                 | 23.5             | 8                 | 4.1             | 7                  | 1.1              | 2                 | 0.1             | 0                  | 0.0              |
| 850         | 4956        | 176          | 19         | 7          | 4                 | 0.4             | 12                 | 7.5              | 13                | 31.6            | 11                 | 34.3             | 11                | 20.4            | 11                 | 4.5              | 3                 | 0.4             | 7                  | 0.3              |
| 700         | 10346       | 464          | 10         | -4         | 8                 | 7.7             | 10                 | 25.0             | 12                | 29.6            | 9                  | 9.8              | 8                 | 9.0             | 8                  | 7.7              | 7                 | 4.3             | 7                  | 5.1              |
| 500         | 19262       | 973          | -6         | -22        | 12                | 12.7            | 13                 | 17.0             | 14                | 16.6            | 11                 | 9.3              | 9                 | 6.7             | 13                 | 8.0              | 14                | 14.1            | 12                 | 14.9             |
| 400         | 24879       | 1305         | -17        | -32        | 17                | 11.9            | 16                 | 10.9             | 13                | 9.1             | 13                 | 8.0              | 14                | 5.9             | 15                 | 12.5             | 19                | 23.2            | 19                 | 17.7             |
| 300         | 31768       | 1703         | -32        | -47        | 18                | 12.4            | 12                 | 7.2              | 11                | 4.5             | 13                 | 3.8              | 16                | 5.1             | 23                 | 13.5             | 28                | 29.9            | 26                 | 23.0             |
| 250         | 35897       | 1898         | -42        | .          | 22                | 10.1            | 17                 | 5.1              | 12                | 3.0             | 14                 | 4.0              | 18                | 4.9             | 25                 | 15.6             | 31                | 33.7            | 29                 | 23.2             |
| 200         | 40744       | 2082         | -53        | .          | 22                | 7.7             | 16                 | 4.5              | 15                | 2.5             | 16                 | 4.1              | 17                | 6.9             | 23                 | 17.4             | 33                | 36.2            | 29                 | 20.3             |
| 150         | 46646       | 1999         | -67        | .          | 18                | 5.6             | 14                 | 4.0              | 14                | 4.1             | 19                 | 5.1              | 20                | 6.2             | 20                 | 16.4             | 27                | 37.2            | 27                 | 20.6             |
| 100         | 54427       | 1344         | -76        | .          | 12                | 6.1             | 10                 | 4.5              | 13                | 5.6             | 12                 | 8.5              | 11                | 8.5             | 14                 | 16.6             | 20                | 30.3            | 20                 | 19.5             |
| 70          | 61108       | 604          | -76        | .          | 9                 | 7.3             | 9                  | 7.1              | 12                | 11.8            | 12                 | 12.7             | 12                | 13.9            | 15                 | 16.6             | 18                | 18.9            | 14                 | 10.5             |
| 50          | 67574       | 67           | -67        | .          | 11                | 6.7             | 13                 | 11.2             | 15                | 19.9            | 13                 | 13.3             | 11                | 8.7             | 15                 | 13.2             | 17                | 16.9            | 13                 | 9.3              |
| 30          | 77912       | -332         | -58        | .          | 16                | 7.9             | 19                 | 10.6             | 23                | 32.9            | 14                 | 13.3             | 12                | 8.0             | 12                 | 8.8              | 19                | 11.4            | 14                 | 6.6              |
| 20          | 86531       | -350         | -52        | .          | 11                | 7.3             | 13                 | 9.6              | 10                | 10.2            | 6                  | 5.5              | 8                 | 4.3             | 10                 | 4.9              | 10                | 3.5             | 11                 | 3.8              |
| 10          | 101466      | -419         | -41        | .          | 23                | 14.8            | 25                 | 19.3             | 20                | 20.6            | 13                 | 11.2             | 17                | 8.7             | 20                 | 9.9              | 20                | 7.0             | 22                 | 7.7              |

MAR Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 6                 | 1.2             | 9                  | 24.8             | 8                 | 33.5            | 8                  | 27.4             | 8                 | 11.2            | 3                  | 0.3              | 4                 | 0.6             | 0                  | 0.0              |
| 1000        | 330         | -34          | 25         | 22         | 6                 | 1.2             | 10                 | 19.6             | 9                 | 36.7            | 9                  | 29.6             | 10                | 9.8             | 8                  | 1.2              | 6                 | 0.3             | 3                  | 0.6              |
| 850         | 4962        | 182          | 19         | 7          | 8                 | 0.4             | 13                 | 11.6             | 12                | 34.3            | 11                 | 29.0             | 13                | 18.2            | 12                 | 5.1              | 3                 | 0.6             | 4                  | 0.3              |
| 700         | 10342       | 460          | 10         | -5         | 8                 | 8.3             | 11                 | 28.8             | 13                | 27.0            | 10                 | 9.3              | 9                 | 9.3             | 8                  | 7.4              | 7                 | 3.8             | 6                  | 5.4              |
| 500         | 19261       | 972          | -6         | -22        | 13                | 14.0            | 14                 | 17.0             | 13                | 19.0            | 13                 | 8.3              | 10                | 5.3             | 12                 | 7.4              | 13                | 15.8            | 12                 | 12.9             |
| 400         | 24878       | 1304         | -17        | -32        | 17                | 11.6            | 16                 | 9.8              | 13                | 9.8             | 16                 | 8.2              | 12                | 5.6             | 16                 | 11.9             | 18                | 25.8            | 19                 | 16.9             |
| 300         | 31763       | 1698         | -32        | -47        | 18                | 10.8            | 13                 | 7.5              | 10                | 5.3             | 14                 | 3.3              | 18                | 5.3             | 26                 | 16.1             | 29                | 29.0            | 26                 | 22.4             |
| 250         | 35892       | 1893         | -42        | .          | 22                | 9.0             | 13                 | 4.9              | 15                | 3.2             | 15                 | 3.0              | 18                | 5.6             | 29                 | 16.9             | 32                | 34.1            | 29                 | 22.9             |
| 200         | 40740       | 2078         | -53        | .          | 19                | 7.2             | 15                 | 4.1              | 14                | 2.9             | 14                 | 2.7              | 20                | 4.9             | 26                 | 21.6             | 34                | 38.2            | 30                 | 18.0             |
| 150         | 46641       | 1994         | -67        | .          | 18                | 4.3             | 12                 | 3.8              | 11                | 3.3             | 20                 | 4.8              | 18                | 8.0             | 22                 | 20.3             | 28                | 36.7            | 28                 | 18.3             |
| 100         | 54425       | 1342         | -76        | .          | 11                | 4.6             | 9                  | 4.9              | 13                | 4.5             | 15                 | 8.2              | 11                | 8.2             | 14                 | 18.7             | 21                | 32.2            | 19                 | 18.0             |
| 70          | 61107       | 603          | -76        | .          | 10                | 6.6             | 9                  | 7.8              | 12                | 12.7            | 12                 | 12.5             | 13                | 13.2            | 14                 | 15.5             | 18                | 20.7            | 14                 | 10.0             |
| 50          | 67574       | 67           | -67        | .          | 10                | 6.2             | 13                 | 12.2             | 15                | 20.9            | 13                 | 13.5             | 10                | 8.0             | 15                 | 11.6             | 17                | 17.7            | 13                 | 9.3              |
| 30          | 77909       | -335         | -58        | .          | 14                | 4.8             | 19                 | 13.2             | 24                | 33.3            | 14                 | 13.3             | 12                | 7.4             | 11                 | 6.1              | 18                | 14.6            | 14                 | 6.1              |
| 20          | 86528       | -353         | -52        | .          | 11                | 6.4             | 13                 | 11.4             | 11                | 9.7             | 6                  | 5.9              | 8                 | 4.3             | 9                  | 3.6              | 10                | 3.6             | 11                 | 4.3              |
| 10          | 101447      | -438         | -41        | .          | 22                | 12.9            | 26                 | 22.9             | 23                | 19.6            | 13                 | 11.9             | 15                | 8.7             | 18                 | 7.4              | 21                | 7.4             | 22                 | 8.7              |

APR Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 17         | 0                 | 0.0             | 3                  | 0.6              | 3                 | 3.3             | 6                  | 40.3             | 6                 | 52.6            | 6                  | 1.3              | 2                 | 0.6             | 0                  | 0.0              |
| 1000        | 311         | -53          | 30         | 23         | 0                 | 0.0             | 5                  | 0.9              | 6                 | 3.1             | 8                  | 25.6             | 9                 | 62.3            | 9                  | 6.4              | 3                 | 0.8             | 0                  | 0.0              |
| 850         | 4894        | 114          | 22         | 16         | 0                 | 0.0             | 8                  | 0.8              | 9                 | 2.8             | 10                 | 23.9             | 11                | 64.6            | 10                 | 6.4              | 5                 | 0.4             | 0                  | 0.0              |
| 700         | 10293       | 411          | 10         | 5          | 7                 | 10.3            | 7                  | 17.3             | 9                 | 23.9            | 6                  | 9.9              | 6                 | 9.4             | 7                  | 9.4              | 6                 | 7.4             | 7                  | 10.3             |
| 500         | 19174       | 885          | -5         | -18        | 10                | 11.4            | 12                 | 22.3             | 14                | 38.3            | 9                  | 12.1             | 9                 | 4.3             | 8                  | 2.8              | 6                 | 4.1             | 6                  | 3.1              |
| 400         | 24779       | 1205         | -16        | -28        | 11                | 6.9             | 14                 | 16.6             | 17                | 31.1            | 13                 | 14.4             | 10                | 9.9             | 12                 | 7.9              | 11                | 8.1             | 10                 | 3.4              |
| 300         | 31644       | 1579         | -31        | -44        | 14                | 10.4            | 16                 | 12.8             | 17                | 18.8            | 17                 | 14.3             | 14                | 10.8            | 20                 | 15.3             | 19                | 10.1            | 14                 | 6.6              |
| 250         | 35786       | 1787         | -41        | .          | 15                | 12.3            | 18                 | 10.3             | 15                | 11.1            | 16                 | 12.3             | 15                | 9.9             | 21                 | 17.1             | 20                | 15.4            | 17                 | 10.6             |
| 200         | 40632       | 1970         | -53        | .          | 16                | 12.1            | 17                 | 7.6              | 14                | 8.6             | 14                 | 7.9              | 16                | 8.4             | 19                 | 19.6             | 21                | 19.6            | 17                 | 14.8             |
| 150         | 46518       | 1871         | -67        | .          | 16                | 13.6            | 13                 | 8.3              | 14                | 6.1             | 15                 | 7.9              | 15                | 7.9             | 16                 | 14.4             | 21                | 19.6            | 18                 | 21.1             |
| 100         | 54220       | 1137         | -77        | .          | 13                | 11.9            | 13                 | 10.1             | 16                | 11.8            | 14                 | 8.4              | 13                | 7.9             | 12                 | 12.6             | 14                | 18.1            | 16                 | 17.6             |
| 70          | 60841       | 337          | -76        | .          | 13                | 11.8            | 12                 | 11.3             | 14                | 18.8            | 12                 | 11.1             | 13                | 9.7             | 14                 | 11.7             | 18                | 13.8            | 13                 | 10.6             |
| 50          | 67323       | -184         | -65        | .          | 14                | 12.4            | 17                 | 15.7             | 21                | 24.0            | 13                 | 6.8              | 11                | 7.5             | 14                 | 9.6              | 17                | 14.4            | 14                 | 8.5              |
| 30          | 77672       | -572         | -57        | .          | 16                | 12.0            | 22                 | 16.2             | 31                | 32.2            | 16                 | 6.4              | 10                | 8.7             | 15                 | 8.5              | 16                | 7.7             | 16                 | 7.2              |
| 20          | 86370       | -511         | -50        | .          | 8                 | 2.4             | 11                 | 4.7              | 12                | 15.7            | 9                  | 6.6              | 13                | 4.1             | 13                 | 5.5              | 12                | 6.4             | 11                 | 3.0              |
| 10          | 100786      | -1099        | -39        | .          | 17                | 4.9             | 23                 | 9.5              | 25                | 31.6            | 18                 | 13.3             | 26                | 8.3             | 27                 | 11.2             | 24                | 12.9            | 23                 | 6.2              |

APR Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 17         | 0                 | 0.0             | 2                  | 0.6              | 8                 | 9.6             | 8                  | 44.9             | 7                 | 38.9            | 7                  | 4.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 298         | -66          | 30         | 22         | 0                 | 0.0             | 7                  | 0.6              | 10                | 6.6             | 10                 | 29.8             | 10                | 47.9            | 10                 | 13.9             | 4                 | 0.1             | 1                  | 0.1              |
| 850         | 4905        | 125          | 21         | 15         | 0                 | 0.0             | 12                 | 0.6              | 13                | 10.3            | 11                 | 25.4             | 11                | 43.6            | 12                 | 18.9             | 5                 | 0.3             | 0                  | 0.0              |
| 700         | 10289       | 407          | 10         | 5          | 6                 | 11.6            | 8                  | 25.9             | 10                | 17.4            | 7                  | 7.1              | 5                 | 6.6             | 8                  | 7.4              | 7                 | 11.6            | 5                  | 9.9              |
| 500         | 19174       | 885          | -5         | -17        | 11                | 11.3            | 12                 | 23.3             | 16                | 37.3            | 10                 | 12.3             | 8                 | 3.8             | 8                  | 2.9              | 7                 | 2.9             | 6                  | 4.8              |
| 400         | 24774       | 1200         | -16        | -28        | 12                | 9.6             | 13                 | 15.4             | 18                | 30.9            | 13                 | 14.9             | 12                | 8.9             | 13                 | 6.6              | 10                | 7.6             | 9                  | 4.1              |
| 300         | 31648       | 1583         | -31        | -43        | 16                | 9.6             | 16                 | 11.6             | 18                | 16.4            | 16                 | 16.8             | 14                | 10.6            | 18                 | 17.1             | 19                | 9.4             | 14                 | 7.3              |
| 250         | 35787       | 1788         | -41        | .          | 16                | 11.4            | 16                 | 8.9              | 16                | 11.3            | 15                 | 13.1             | 15                | 13.1            | 22                 | 17.4             | 21                | 13.9            | 20                 | 9.3              |
| 200         | 40632       | 1970         | -53        | .          | 17                | 11.1            | 15                 | 6.9              | 15                | 10.1            | 16                 | 7.1              | 15                | 11.3            | 19                 | 19.9             | 23                | 18.1            | 18                 | 14.3             |
| 150         | 46515       | 1868         | -67        | .          | 17                | 11.6            | 13                 | 6.4              | 15                | 6.8             | 17                 | 8.3              | 15                | 9.3             | 16                 | 16.3             | 22                | 21.6            | 17                 | 18.8             |
| 100         | 54223       | 1140         | -77        | .          | 14                | 10.4            | 13                 | 8.9              | 16                | 14.4            | 14                 | 6.9              | 11                | 9.8             | 14                 | 14.4             | 14                | 17.9            | 15                 | 15.9             |
| 70          | 60846       | 342          | -76        | .          | 12                | 7.5             | 12                 | 15.2             | 15                | 19.2            | 13                 | 11.1             | 13                | 9.9             | 15                 | 11.1             | 17                | 15.0            | 13                 | 9.9              |
| 50          | 67320       | -187         | -65        | .          | 14                | 9.8             | 17                 | 16.6             | 22                | 26.1            | 12                 | 7.0              | 14                | 5.3             | 14                 | 11.4             | 18                | 14.2            | 12                 | 8.3              |
| 30          | 77661       | -583         | -57        | .          | 15                | 11.2            | 22                 | 16.2             | 33                | 34.8            | 16                 | 5.9              | 13                | 7.2             | 15                 | 9.0              | 18                | 8.3             | 15                 | 5.9              |
| 20          | 86350       | -531         | -50        | .          | 8                 | 3.0             | 11                 | 5.3              | 13                | 15.3            | 9                  | 6.8              | 13                | 4.1             | 12                 | 3.9              | 16                | 7.0             | 12                 | 3.2              |
| 10          | 100783      | -1102        | -39        | .          | 16                | 6.2             | 23                 | 10.8             | 26                | 30.8            | 18                 | 13.7             | 27                | 8.3             | 24                 | 7.9              | 33                | 14.1            | 24                 | 6.6              |

APR Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 18         | 0                 | 0.0             | 7                  | 1.3              | 8                 | 24.6            | 8                  | 45.6             | 8                 | 23.6            | 7                  | 3.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 293         | -71          | 29         | 21         | 4                 | 0.3             | 7                  | 0.9              | 11                | 17.4            | 10                 | 37.8             | 10                | 34.6            | 10                 | 7.9              | 10                | 0.1             | 0                  | 0.0              |
| 850         | 4911        | 131          | 20         | 14         | 4                 | 0.3             | 10                 | 4.4              | 12                | 22.3            | 9                  | 25.1             | 9                 | 22.9            | 10                 | 21.6             | 9                 | 1.9             | 1                  | 0.3              |
| 700         | 10288       | 406          | 10         | 3          | 7                 | 19.6            | 11                 | 28.9             | 11                | 17.4            | 6                  | 4.4              | 6                 | 2.8             | 8                  | 5.3              | 8                 | 8.4             | 7                  | 11.1             |
| 500         | 19167       | 878          | -5         | -18        | 11                | 10.4            | 13                 | 22.1             | 15                | 38.1            | 11                 | 11.6             | 8                 | 4.1             | 7                  | 2.9              | 7                 | 2.4             | 7                  | 6.6              |
| 400         | 24772       | 1198         | -16        | -29        | 13                | 8.8             | 15                 | 17.8             | 18                | 29.3            | 13                 | 15.8             | 11                | 8.4             | 12                 | 7.4              | 10                | 5.8             | 8                  | 5.8              |
| 300         | 31651       | 1586         | -31        | -44        | 15                | 9.1             | 18                 | 13.1             | 17                | 17.9            | 15                 | 15.1             | 15                | 11.4            | 17                 | 15.4             | 17                | 11.1            | 15                 | 5.6              |
| 250         | 35788       | 1789         | -41        | .          | 19                | 9.8             | 17                 | 8.9              | 15                | 11.1            | 15                 | 12.9             | 16                | 13.8            | 21                 | 15.9             | 23                | 15.1            | 20                 | 10.9             |
| 200         | 40632       | 1970         | -53        | .          | 17                | 11.8            | 14                 | 5.8              | 14                | 9.1             | 15                 | 10.4             | 16                | 11.4            | 21                 | 16.6             | 24                | 19.1            | 18                 | 14.4             |
| 150         | 46513       | 1866         | -67        | .          | 17                | 11.3            | 13                 | 7.1              | 15                | 7.3             | 17                 | 10.6             | 16                | 7.4             | 16                 | 18.1             | 23                | 21.8            | 18                 | 15.4             |
| 100         | 54227       | 1144         | -77        | .          | 12                | 11.3            | 14                 | 8.8              | 16                | 15.3            | 13                 | 7.8              | 12                | 10.1            | 15                 | 14.9             | 14                | 17.8            | 14                 | 12.8             |
| 70          | 60852       | 348          | -76        | .          | 9                 | 6.4             | 12                 | 13.4             | 17                | 19.5            | 13                 | 13.9             | 12                | 9.2             | 14                 | 13.8             | 17                | 13.4            | 11                 | 8.9              |
| 50          | 67321       | -186         | -65        | .          | 10                | 7.0             | 17                 | 14.0             | 23                | 28.8            | 13                 | 7.9              | 12                | 5.3             | 15                 | 11.6             | 18                | 15.9            | 13                 | 8.1              |
| 30          | 77655       | -589         | -57        | .          | 10                | 6.8             | 21                 | 16.6             | 34                | 37.0            | 16                 | 7.0              | 13                | 6.4             | 14                 | 9.0              | 20                | 9.0             | 15                 | 7.2              |
| 20          | 86345       | -536         | -50        | .          | 9                 | 3.9             | 12                 | 4.1              | 13                | 16.0            | 10                 | 7.0              | 9                 | 2.8             | 16                 | 3.5              | 18                | 7.8             | 12                 | 3.6              |
| 10          | 100783      | -1102        | -39        | .          | 18                | 7.9             | 24                 | 8.3              | 27                | 32.0            | 21                 | 14.1             | 19                | 5.8             | 32                 | 7.0              | 36                | 15.8            | 24                 | 7.4              |

APR Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 24         | 13                | 0.3             | 9                  | 18.6             | 9                 | 31.6            | 9                  | 24.3             | 9                 | 20.3            | 8                  | 3.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 288         | -76          | 27         | 23         | 6                 | 0.3             | 10                 | 10.4             | 11                | 26.4            | 10                 | 29.6             | 10                | 26.8            | 10                 | 5.6              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4913        | 133          | 19         | 11         | 6                 | 4.1             | 11                 | 11.8             | 11                | 31.4            | 8                  | 13.6             | 8                 | 11.1            | 10                 | 15.9             | 9                 | 7.1             | 3                  | 2.6              |
| 700         | 10280       | 398          | 10         | -1         | 9                 | 20.3            | 11                 | 25.3             | 12                | 24.6            | 7                  | 5.6              | 6                 | 3.3             | 7                  | 4.9              | 8                 | 6.8             | 8                  | 7.3              |
| 500         | 19163       | 874          | -5         | -19        | 10                | 9.1             | 13                 | 25.1             | 16                | 37.8            | 10                 | 10.9             | 8                 | 3.8             | 5                  | 2.9              | 6                 | 2.9             | 7                  | 6.1              |
| 400         | 24772       | 1198         | -16        | -30        | 13                | 8.4             | 16                 | 18.4             | 18                | 31.8            | 14                 | 15.3             | 12                | 8.1             | 11                 | 5.8              | 10                | 6.8             | 10                 | 4.1              |
| 300         | 31658       | 1593         | -31        | -45        | 15                | 8.6             | 16                 | 16.6             | 17                | 19.3            | 15                 | 11.8             | 15                | 13.4            | 18                 | 10.3             | 17                | 12.6            | 15                 | 6.4              |
| 250         | 35791       | 1792         | -41        | .          | 17                | 11.8            | 16                 | 9.3              | 17                | 12.6            | 15                 | 10.3             | 16                | 12.5            | 21                 | 15.8             | 23                | 13.9            | 19                 | 12.8             |
| 200         | 40634       | 1972         | -53        | .          | 16                | 11.4            | 15                 | 6.8              | 15                | 9.8             | 16                 | 10.4             | 16                | 10.1            | 21                 | 14.6             | 25                | 19.6            | 19                 | 15.8             |
| 150         | 46512       | 1865         | -67        | .          | 16                | 10.8            | 14                 | 7.8              | 15                | 8.8             | 20                 | 9.8              | 15                | 6.9             | 17                 | 16.3             | 22                | 22.8            | 18                 | 15.9             |
| 100         | 54237       | 1154         | -77        | .          | 10                | 9.3             | 15                 | 10.6             | 15                | 14.9            | 13                 | 10.4             | 13                | 9.6             | 14                 | 15.4             | 15                | 17.3            | 14                 | 11.4             |
| 70          | 60863       | 359          | -76        | .          | 8                 | 6.2             | 13                 | 12.2             | 17                | 21.6            | 14                 | 15.3             | 12                | 10.1            | 14                 | 12.2             | 16                | 15.2            | 12                 | 5.7              |
| 50          | 67323       | -184         | -66        | .          | 10                | 5.7             | 17                 | 10.9             | 23                | 31.8            | 15                 | 8.3              | 11                | 6.1             | 16                 | 9.9              | 17                | 18.7            | 12                 | 7.5              |
| 30          | 77645       | -599         | -57        | .          | 8                 | 5.3             | 19                 | 12.4             | 35                | 41.8            | 17                 | 9.8              | 11                | 4.8             | 15                 | 8.1              | 19                | 11.2            | 17                 | 5.5              |
| 20          | 86327       | -554         | -50        | .          | 12                | 2.2             | 13                 | 4.3              | 14                | 17.0            | 10                 | 7.0              | 6                 | 2.6             | 22                 | 1.8              | 20                | 8.2             | 13                 | 5.5              |
| 10          | 100784      | -1101        | -39        | .          | 25                | 4.5             | 26                 | 8.7              | 28                | 34.1            | 19                 | 14.1             | 13                | 5.4             | 45                 | 3.7              | 40                | 16.6            | 27                 | 11.2             |

APR Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 25         | 8                 | 2.9             | 8                  | 29.9             | 6                 | 24.3            | 5                  | 15.3             | 6                 | 14.3            | 7                  | 10.9             | 2                 | 0.3             | 5                  | 0.3              |
| 1000        | 286         | -78          | 26         | 23         | 7                 | 2.1             | 9                  | 22.8             | 7                 | 24.3            | 6                  | 17.8             | 7                 | 16.1            | 9                  | 13.1             | 4                 | 1.3             | 7                  | 0.9              |
| 850         | 4914        | 134          | 19         | 9          | 7                 | 4.4             | 9                  | 11.8             | 11                | 33.4            | 10                 | 16.3             | 7                 | 9.8             | 9                  | 12.3             | 7                 | 7.1             | 4                  | 3.3              |
| 700         | 10273       | 391          | 10         | -2         | 8                 | 11.4            | 10                 | 23.1             | 12                | 29.6            | 8                  | 10.8             | 7                 | 5.6             | 9                  | 4.4              | 8                 | 6.1             | 8                  | 7.1              |
| 500         | 19160       | 871          | -5         | -19        | 10                | 7.8             | 13                 | 26.8             | 15                | 36.8            | 10                 | 11.8             | 7                 | 3.9             | 5                  | 1.9              | 6                 | 5.6             | 8                  | 3.8              |
| 400         | 24773       | 1199         | -16        | -30        | 12                | 10.1            | 15                 | 18.8             | 18                | 33.9            | 14                 | 12.3             | 13                | 7.1             | 9                  | 4.6              | 11                | 6.4             | 9                  | 4.9              |
| 300         | 31663       | 1598         | -31        | -45        | 15                | 11.8            | 16                 | 15.9             | 18                | 19.1            | 14                 | 12.9             | 16                | 8.9             | 17                 | 10.9             | 18                | 10.9            | 14                 | 8.3              |
| 250         | 35794       | 1795         | -41        | .          | 18                | 12.3            | 17                 | 11.9             | 17                | 13.8            | 15                 | 8.6              | 17                | 10.6            | 19                 | 15.1             | 21                | 16.6            | 17                 | 10.1             |
| 200         | 40635       | 1973         | -53        | .          | 16                | 11.9            | 13                 | 10.1             | 16                | 10.1            | 16                 | 9.1              | 15                | 8.1             | 22                 | 15.1             | 24                | 19.9            | 19                 | 14.1             |
| 150         | 46511       | 1864         | -67        | .          | 16                | 10.4            | 13                 | 10.4             | 15                | 10.6            | 19                 | 10.3             | 14                | 7.8             | 18                 | 14.4             | 22                | 20.1            | 19                 | 14.8             |
| 100         | 54241       | 1158         | -77        | .          | 10                | 8.4             | 16                 | 12.1             | 15                | 13.6            | 12                 | 12.5             | 13                | 10.9            | 15                 | 13.9             | 14                | 16.3            | 14                 | 10.8             |
| 70          | 60868       | 364          | -76        | .          | 11                | 5.2             | 14                 | 12.5             | 16                | 23.7            | 15                 | 15.9             | 13                | 11.5            | 15                 | 11.7             | 18                | 12.9            | 11                 | 5.4              |
| 50          | 67326       | -181         | -66        | .          | 11                | 5.5             | 14                 | 9.6              | 23                | 33.1            | 13                 | 8.8              | 10                | 5.9             | 16                 | 10.9             | 20                | 17.9            | 12                 | 7.2              |
| 30          | 77644       | -600         | -57        | .          | 10                | 3.8             | 16                 | 9.2              | 35                | 45.3            | 14                 | 11.4             | 12                | 3.8             | 15                 | 7.2              | 19                | 12.4            | 16                 | 5.7              |
| 20          | 86325       | -556         | -50        | .          | 11                | 1.4             | 12                 | 5.3              | 13                | 19.3            | 10                 | 5.5              | 12                | 1.6             | 20                 | 2.6              | 22                | 7.6             | 17                 | 5.3              |
| 10          | 100791      | -1094        | -39        | .          | 23                | 2.9             | 24                 | 10.8             | 26                | 38.7            | 20                 | 11.2             | 24                | 3.3             | 39                 | 5.4              | 44                | 15.4            | 35                 | 10.8             |

APR Latitude=10.00 Longitude= 42.50

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .     | 25  | 17  | 6     | 1.3  | 5     | 37.3 | 5     | 8.9  | 0     | 0.0  |
| 1000 | 291    | -73   | 31  | 24  | 5     | 1.9  | 7     | 35.9 | 8     | 11.1 | 2     | 0.1  |
| 850  | 4878   | 98    | 23  | 16  | 8     | 0.8  | 8     | 33.1 | 10    | 12.9 | 2     | 0.1  |
| 700  | 10300  | 418   | 11  | 5   | 5     | 4.6  | 10    | 23.6 | 9     | 18.8 | 5     | 4.6  |
| 500  | 19180  | 891   | -6  | -19 | 11    | 13.3 | 13    | 33.1 | 9     | 6.4  | 8     | 4.3  |
| 400  | 24784  | 1210  | -17 | -28 | 14    | 11.4 | 16    | 23.3 | 12    | 10.3 | 11    | 9.3  |
| 300  | 31640  | 1575  | -31 | -43 | 16    | 11.6 | 17    | 11.4 | 15    | 11.9 | 22    | 14.6 |
| 250  | 35781  | 1782  | -41 | .   | 18    | 10.4 | 17    | 8.4  | 19    | 9.1  | 21    | 16.1 |
| 200  | 40625  | 1963  | -53 | .   | 18    | 9.4  | 15    | 5.4  | 16    | 6.6  | 25    | 20.3 |
| 150  | 46516  | 1869  | -67 | .   | 15    | 9.8  | 14    | 4.1  | 17    | 6.6  | 24    | 21.8 |
| 100  | 54221  | 1138  | -77 | .   | 13    | 12.1 | 12    | 8.8  | 14    | 7.4  | 23    | 28.4 |
| 70   | 60847  | 343   | -75 | .   | 12    | 10.8 | 15    | 20.1 | 12    | 7.6  | 15    | 20.9 |
| 50   | 67333  | -174  | -65 | .   | 13    | 9.6  | 20    | 29.9 | 10    | 9.4  | 12    | 13.1 |
| 30   | 77687  | -557  | -56 | .   | 14    | 9.8  | 27    | 38.1 | 10    | 4.8  | 14    | 12.2 |
| 20   | 86381  | -500  | -50 | .   | 7     | 1.6  | 10    | 11.8 | 9     | 5.3  | 11    | 6.6  |
| 10   | 100824 | -1061 | -39 | .   | 14    | 3.3  | 21    | 23.7 | 18    | 10.8 | 22    | 13.3 |

APR Latitude=10.00 Longitude= 45.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .     | 26  | 17  | 6     | 11.6 | 5     | 17.3 | 5     | 13.6 | 2     | 0.9  |
| 1000 | 281    | -83   | 30  | 24  | 10    | 9.3  | 7     | 31.8 | 7     | 10.3 | 4     | 2.3  |
| 850  | 4896   | 116   | 22  | 15  | 7     | 0.9  | 9     | 23.4 | 10    | 27.3 | 9     | 5.8  |
| 700  | 10297  | 415   | 10  | 4   | 5     | 5.4  | 9     | 25.8 | 7     | 16.1 | 7     | 10.6 |
| 500  | 19180  | 891   | -5  | -19 | 10    | 14.3 | 15    | 30.6 | 10    | 5.8  | 10    | 5.1  |
| 400  | 24779  | 1205  | -16 | -28 | 14    | 12.3 | 18    | 22.4 | 13    | 11.1 | 13    | 11.4 |
| 300  | 31645  | 1580  | -31 | -43 | 17    | 11.1 | 16    | 11.6 | 18    | 9.6  | 20    | 16.9 |
| 250  | 35780  | 1781  | -41 | .   | 19    | 9.4  | 17    | 8.4  | 18    | 11.8 | 25    | 20.4 |
| 200  | 40621  | 1959  | -53 | .   | 21    | 9.1  | 16    | 5.3  | 14    | 8.1  | 23    | 22.8 |
| 150  | 46506  | 1859  | -67 | .   | 18    | 7.8  | 13    | 4.6  | 15    | 8.6  | 24    | 25.9 |
| 100  | 54221  | 1138  | -77 | .   | 14    | 9.8  | 15    | 11.3 | 13    | 7.3  | 23    | 30.4 |
| 70   | 60849  | 345   | -75 | .   | 12    | 8.2  | 14    | 12.4 | 13    | 9.4  | 16    | 22.4 |
| 50   | 67323  | -184  | -65 | .   | 12    | 7.2  | 16    | 14.6 | 13    | 6.2  | 17    | 10.8 |
| 30   | 77663  | -581  | -56 | .   | 13    | 6.8  | 20    | 39.8 | 14    | 5.9  | 14    | 10.5 |
| 20   | 86357  | -524  | -50 | .   | 6     | 3.0  | 10    | 11.0 | 7     | 3.5  | 15    | 4.9  |
| 10   | 100812 | -1073 | -39 | .   | 13    | 6.2  | 21    | 22.0 | 15    | 7.0  | 29    | 9.9  |

APR Latitude=10.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 16         | 0                 | 0.0             | 6                  | 10.9             | 6                 | 26.9            | 6                  | 36.6             | 6                 | 17.3            | 6                  | 2.6              | 2                 | 1.6             | 1                  | 0.3              |
| 1000        | 307         | -57          | 30         | 23         | 4                 | 1.9             | 7                  | 12.6             | 7                 | 23.8            | 8                  | 26.9             | 7                 | 21.1            | 5                  | 7.8              | 4                 | 2.6             | 3                  | 1.1              |
| 850         | 4905        | 125          | 21         | 16         | 4                 | 0.4             | 9                  | 5.6              | 10                | 22.6            | 10                 | 29.6             | 10                | 28.6            | 9                  | 9.4              | 6                 | 1.6             | 2                  | 0.6              |
| 700         | 10296       | 414          | 10         | 4          | 5                 | 6.9             | 8                  | 17.1             | 10                | 25.3            | 7                  | 12.6             | 5                 | 8.4             | 7                  | 9.1              | 6                 | 9.9             | 4                  | 7.8              |
| 500         | 19179       | 890          | -5         | -19        | 10                | 15.3            | 12                 | 18.4             | 15                | 32.4            | 10                 | 11.9             | 9                 | 6.4             | 8                  | 4.6              | 6                 | 3.1             | 7                  | 5.9              |
| 400         | 24778       | 1204         | -16        | -28        | 14                | 10.9            | 12                 | 14.1             | 19                | 22.6            | 13                 | 13.4             | 12                | 11.4            | 14                 | 10.9             | 12                | 7.9             | 12                 | 7.3              |
| 300         | 31641       | 1576         | -31        | -44        | 16                | 10.8            | 16                 | 9.6              | 16                | 12.5            | 15                 | 12.1             | 18                | 11.9            | 21                 | 15.1             | 20                | 15.9            | 19                 | 10.8             |
| 250         | 35780       | 1781         | -41        | .          | 22                | 8.8             | 16                 | 7.8              | 16                | 5.9             | 15                 | 8.3              | 17                | 10.8            | 23                 | 20.6             | 24                | 19.3            | 20                 | 15.4             |
| 200         | 40623       | 1961         | -53        | .          | 19                | 9.4             | 17                 | 4.8              | 15                | 3.1             | 14                 | 7.9              | 17                | 10.8            | 24                 | 22.8             | 25                | 26.4            | 24                 | 13.6             |
| 150         | 46506       | 1859         | -67        | .          | 17                | 10.1            | 15                 | 3.8              | 16                | 4.3             | 17                 | 6.1              | 16                | 11.3            | 19                 | 18.9             | 24                | 28.3            | 22                 | 15.9             |
| 100         | 54221       | 1138         | -77        | .          | 13                | 9.3             | 15                 | 8.1              | 15                | 13.1            | 14                 | 10.8             | 13                | 8.9             | 16                 | 14.9             | 17                | 20.4            | 15                 | 13.1             |
| 70          | 60851       | 347          | -76        | .          | 8                 | 6.4             | 12                 | 13.2             | 17                | 22.3            | 15                 | 15.9             | 13                | 9.4             | 15                 | 11.5             | 15                | 12.7            | 10                 | 7.1              |
| 50          | 67324       | -183         | -65        | .          | 10                | 5.7             | 16                 | 14.8             | 23                | 31.2            | 13                 | 12.2             | 12                | 5.7             | 15                 | 10.3             | 17                | 13.7            | 12                 | 4.9              |
| 30          | 77660       | -584         | -56        | .          | 14                | 4.9             | 16                 | 16.1             | 32                | 41.6            | 17                 | 10.7             | 14                | 6.1             | 16                 | 7.2              | 16                | 8.8             | 13                 | 3.7              |
| 20          | 86353       | -528         | -50        | .          | 7                 | 3.0             | 9                  | 6.6              | 11                | 12.8            | 10                 | 8.5              | 13                | 1.6             | 11                 | 5.1              | 15                | 6.8             | 12                 | 4.3              |
| 10          | 100813      | -1072        | -39        | .          | 14                | 6.2             | 18                 | 13.3             | 21                | 25.8            | 20                 | 17.0             | 27                | 3.3             | 23                 | 10.4             | 30                | 13.7            | 25                 | 8.7              |

APR Latitude=10.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 18         | 0                 | 0.0             | 7                  | 7.3              | 9                 | 32.9            | 7                  | 38.9             | 6                 | 19.3            | 8                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 292         | -72          | 29         | 21         | 0                 | 0.0             | 10                 | 4.6              | 11                | 26.8            | 10                 | 39.9             | 9                 | 26.3            | 9                  | 1.6              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4916        | 136          | 20         | 13         | 3                 | 1.3             | 11                 | 6.3              | 11                | 25.3            | 9                  | 25.1             | 10                | 22.1            | 10                 | 15.9             | 5                 | 2.4             | 5                  | 0.1              |
| 700         | 10291       | 409          | 10         | 0          | 8                 | 15.9            | 10                 | 19.8             | 13                | 22.6            | 8                  | 7.3              | 5                 | 6.6             | 8                  | 5.6              | 7                 | 9.1             | 7                  | 11.4             |
| 500         | 19173       | 884          | -5         | -20        | 10                | 13.1            | 13                 | 21.1             | 16                | 31.1            | 10                 | 12.8             | 9                 | 6.1             | 7                  | 4.4              | 7                 | 2.8             | 7                  | 6.8              |
| 400         | 24775       | 1201         | -16        | -29        | 16                | 11.1            | 15                 | 15.6             | 19                | 22.1            | 14                 | 14.4             | 14                | 9.9             | 12                 | 10.8             | 11                | 8.1             | 10                 | 6.8              |
| 300         | 31648       | 1583         | -31        | -45        | 17                | 12.1            | 15                 | 11.1             | 17                | 12.5            | 15                 | 9.6              | 19                | 12.9            | 20                 | 13.3             | 20                | 16.4            | 17                 | 10.8             |
| 250         | 35779       | 1780         | -41        | .          | 20                | 11.1            | 16                 | 7.4              | 16                | 6.8             | 14                 | 8.4              | 19                | 11.3            | 23                 | 18.6             | 25                | 20.8            | 23                 | 14.6             |
| 200         | 40620       | 1958         | -53        | .          | 18                | 9.6             | 14                 | 4.4              | 13                | 5.3             | 15                 | 6.8              | 18                | 9.4             | 25                 | 20.4             | 27                | 25.3            | 21                 | 17.6             |
| 150         | 46501       | 1854         | -67        | .          | 18                | 9.6             | 15                 | 4.6              | 14                | 5.1             | 18                 | 6.9              | 16                | 10.8            | 20                 | 18.1             | 25                | 25.9            | 22                 | 17.6             |
| 100         | 54225       | 1142         | -77        | .          | 12                | 7.8             | 15                 | 10.4             | 15                | 11.8            | 14                 | 10.3             | 13                | 12.3            | 16                 | 14.4             | 17                | 19.1            | 16                 | 12.8             |
| 70          | 60857       | 353          | -76        | .          | 7                 | 4.1             | 13                 | 10.4             | 16                | 25.3            | 16                 | 18.1             | 13                | 10.6            | 13                 | 11.7             | 16                | 12.7            | 10                 | 5.5              |
| 50          | 67324       | -183         | -65        | .          | 10                | 4.8             | 14                 | 13.1             | 23                | 34.2            | 14                 | 11.6             | 11                | 7.0             | 15                 | 10.3             | 18                | 13.7            | 12                 | 4.2              |
| 30          | 77658       | -586         | -57        | .          | 9                 | 3.7             | 17                 | 10.5             | 32                | 45.3            | 18                 | 13.7             | 12                | 4.9             | 16                 | 6.8              | 17                | 9.2             | 12                 | 4.8              |
| 20          | 86347       | -534         | -50        | .          | 8                 | 4.3             | 10                 | 4.9              | 11                | 14.7            | 10                 | 7.6              | 15                | 1.4             | 10                 | 4.7              | 15                | 6.6             | 15                 | 4.5              |
| 10          | 100811      | -1074        | -39        | .          | 16                | 8.7             | 21                 | 9.9              | 22                | 29.5            | 21                 | 15.4             | 30                | 2.9             | 21                 | 9.5              | 30                | 13.3            | 30                 | 9.1              |

APR Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 24         | 4                 | 1.9             | 7                  | 16.3             | 7                 | 26.3            | 7                  | 30.6             | 8                 | 21.3            | 6                  | 2.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 288         | -76          | 27         | 23         | 6                 | 1.9             | 9                  | 10.3             | 8                 | 22.8            | 9                  | 32.8             | 10                | 28.1            | 9                  | 2.8              | 0                 | 0.0             | 2                  | 0.1              |
| 850         | 4917        | 137          | 20         | 8          | 4                 | 1.8             | 10                 | 10.8             | 11                | 30.8            | 9                  | 18.6             | 10                | 16.1            | 10                 | 13.6             | 7                 | 5.4             | 5                  | 1.4              |
| 700         | 10282       | 400          | 10         | -4         | 8                 | 11.4            | 11                 | 21.1             | 14                | 33.1            | 8                  | 8.1              | 7                 | 5.9             | 8                  | 5.9              | 8                 | 4.8             | 7                  | 7.1              |
| 500         | 19169       | 880          | -5         | -21        | 10                | 10.4            | 13                 | 22.9             | 16                | 31.9            | 10                 | 14.1             | 8                 | 5.3             | 7                  | 2.1              | 8                 | 4.6             | 8                  | 6.8              |
| 400         | 24778       | 1204         | -16        | -30        | 15                | 9.8             | 16                 | 17.1             | 18                | 23.6            | 14                 | 12.8             | 13                | 8.4             | 12                 | 8.9              | 12                | 11.1            | 11                 | 6.8              |
| 300         | 31659       | 1594         | -31        | -46        | 18                | 13.1            | 16                 | 10.9             | 17                | 13.3            | 15                 | 9.4              | 18                | 11.1            | 21                 | 12.5             | 19                | 17.9            | 17                 | 10.1             |
| 250         | 35784       | 1785         | -41        | .          | 21                | 12.3            | 16                 | 6.9              | 16                | 8.8             | 16                 | 6.4              | 18                | 11.6            | 25                 | 15.9             | 25                | 19.9            | 20                 | 16.6             |
| 200         | 40622       | 1960         | -53        | .          | 20                | 8.8             | 13                 | 5.1              | 14                | 5.1             | 14                 | 7.3              | 15                | 9.6             | 24                 | 18.3             | 28                | 25.1            | 22                 | 19.8             |
| 150         | 46500       | 1853         | -67        | .          | 17                | 9.3             | 15                 | 5.1              | 15                | 6.4             | 17                 | 7.6              | 17                | 8.8             | 19                 | 18.9             | 24                | 24.3            | 22                 | 18.3             |
| 100         | 54236       | 1153         | -77        | .          | 12                | 6.3             | 16                 | 12.8             | 13                | 13.1            | 13                 | 10.9             | 13                | 12.6            | 16                 | 15.1             | 17                | 16.6            | 15                 | 11.3             |
| 70          | 60869       | 365          | -76        | .          | 10                | 3.3             | 14                 | 12.0             | 17                | 26.0            | 17                 | 17.3             | 14                | 14.5            | 14                 | 7.8              | 17                | 13.2            | 13                 | 4.8              |
| 50          | 67328       | -179         | -66        | .          | 12                | 5.3             | 14                 | 11.6             | 23                | 34.9            | 13                 | 12.0             | 11                | 5.1             | 15                 | 9.9              | 18                | 16.2            | 10                 | 3.8              |
| 30          | 77654       | -590         | -57        | .          | 13                | 4.0             | 16                 | 8.7              | 33                | 49.2            | 18                 | 11.6             | 12                | 3.3             | 14                 | 8.7              | 17                | 11.2            | 15                 | 2.4              |
| 20          | 86340       | -541         | -50        | .          | 10                | 4.1             | 10                 | 4.1              | 12                | 17.0            | 11                 | 5.1              | 8                 | 2.4             | 12                 | 3.6              | 15                | 7.6             | 17                 | 4.7              |
| 10          | 100819      | -1066        | -39        | .          | 19                | 8.3             | 21                 | 8.3              | 24                | 34.1            | 22                 | 10.4             | 16                | 4.9             | 24                 | 7.4              | 29                | 15.4            | 33                 | 9.5              |

APR Latitude=12.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 18         | 5                 | 1.9             | 4                  | 4.3              | 8                 | 29.3            | 9                  | 62.6             | 10                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.3              |
| 1000        | 229         | -135         | 31         | 22         | 7                 | 1.1             | 6                  | 2.1              | 11                | 27.1            | 12                 | 61.3             | 8                 | 7.4             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 0.1              |
| 850         | 4886        | 106          | 23         | 13         | 5                 | 0.4             | 7                  | 0.4              | 13                | 9.3             | 17                 | 81.3             | 11                | 6.9             | 4                  | 0.4              | 0                 | 0.0             | 4                  | 0.3              |
| 700         | 10304       | 422          | 11         | 0          | 5                 | 4.8             | 6                  | 9.1              | 11                | 25.8            | 11                 | 29.4             | 10                | 15.4            | 9                  | 5.3              | 6                 | 4.4             | 5                  | 4.3              |
| 500         | 19188       | 899          | -6         | -21        | 12                | 16.1            | 9                  | 12.3             | 13                | 18.4            | 11                 | 14.4             | 9                 | 6.1             | 11                 | 10.6             | 11                | 8.4             | 9                  | 11.8             |
| 400         | 24775       | 1201         | -17        | -30        | 16                | 13.1            | 11                 | 4.3              | 13                | 13.1            | 14                 | 12.9             | 13                | 8.4             | 17                 | 17.9             | 15                | 15.4            | 12                 | 13.8             |
| 300         | 31636       | 1571         | -32        | -44        | 20                | 9.1             | 11                 | 3.9              | 16                | 6.8             | 14                 | 5.4              | 17                | 10.1            | 27                 | 19.1             | 23                | 25.8            | 21                 | 18.4             |
| 250         | 35760       | 1761         | -41        | .          | 23                | 7.3             | 11                 | 4.6              | 16                | 4.6             | 15                 | 4.1              | 20                | 6.1             | 29                 | 23.1             | 29                | 30.9            | 25                 | 18.3             |
| 200         | 40597       | 1935         | -53        | .          | 19                | 5.6             | 14                 | 3.1              | 13                | 3.9             | 15                 | 2.9              | 18                | 4.1             | 31                 | 24.8             | 30                | 37.8            | 29                 | 16.6             |
| 150         | 46488       | 1841         | -67        | .          | 15                | 6.6             | 14                 | 3.3              | 12                | 3.6             | 13                 | 2.4              | 10                | 3.9             | 27                 | 17.3             | 29                | 39.9            | 24                 | 21.9             |
| 100         | 54225       | 1142         | -77        | .          | 13                | 8.4             | 11                 | 6.8              | 14                | 8.1             | 12                 | 5.8              | 12                | 5.9             | 15                 | 15.6             | 18                | 26.8            | 16                 | 20.8             |
| 70          | 60866       | 362          | -75        | .          | 10                | 8.5             | 10                 | 10.8             | 13                | 21.1            | 12                 | 13.4             | 9                 | 10.8            | 12                 | 9.6              | 11                | 12.9            | 11                 | 11.5             |
| 50          | 67333       | -174         | -66        | .          | 11                | 6.6             | 12                 | 10.3             | 17                | 32.5            | 11                 | 11.6             | 10                | 6.6             | 12                 | 6.8              | 13                | 12.4            | 12                 | 11.4             |
| 30          | 77683       | -561         | -56        | .          | 13                | 6.6             | 13                 | 12.0             | 24                | 42.2            | 14                 | 11.6             | 10                | 3.7             | 12                 | 6.6              | 12                | 8.7             | 14                 | 7.2              |
| 20          | 86377       | -504         | -50        | .          | 7                 | 2.0             | 7                  | 4.7              | 8                 | 11.0            | 9                  | 8.0              | 6                 | 5.1             | 13                 | 6.2              | 10                | 6.8             | 10                 | 4.9              |
| 10          | 100858      | -1027        | -39        | .          | 14                | 4.1             | 15                 | 9.5              | 17                | 22.0            | 18                 | 16.2             | 12                | 10.4            | 25                 | 12.5             | 20                | 13.7            | 20                 | 9.9              |

APR Latitude=12.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 5                 | 0.9             | 12                 | 40.3             | 11                | 51.6            | 10                 | 5.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 273         | -91          | 28         | 24         | 4                 | 0.1             | 15                 | 17.4             | 13                | 53.9            | 10                 | 24.3             | 6                 | 2.8             | 3                  | 0.4              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4905        | 125          | 21         | 12         | 6                 | 0.1             | 4                  | 0.3              | 15                | 43.9            | 11                 | 38.6             | 9                 | 12.9            | 6                  | 2.4              | 5                 | 0.3             | 2                  | 0.3              |
| 700         | 10301       | 419          | 11         | -2         | 6                 | 5.1             | 10                 | 18.6             | 12                | 37.5            | 9                  | 18.6             | 8                 | 6.8             | 9                  | 3.8              | 6                 | 3.8             | 6                  | 4.3              |
| 500         | 19185       | 896          | -6         | -20        | 11                | 15.4            | 10                 | 12.9             | 13                | 24.3            | 11                 | 8.6              | 9                 | 5.9             | 13                 | 10.4             | 11                | 10.4            | 10                 | 10.3             |
| 400         | 24778       | 1204         | -17        | -30        | 14                | 11.1            | 10                 | 4.8              | 14                | 12.9            | 14                 | 12.3             | 12                | 9.9             | 19                 | 17.4             | 16                | 16.6            | 13                 | 13.6             |
| 300         | 31640       | 1575         | -32        | -45        | 18                | 8.8             | 14                 | 4.4              | 16                | 5.1             | 13                 | 6.4              | 20                | 10.6            | 26                 | 19.1             | 24                | 26.9            | 22                 | 17.4             |
| 250         | 35761       | 1762         | -42        | .          | 22                | 6.9             | 12                 | 3.9              | 15                | 4.3             | 17                 | 3.9              | 24                | 7.8             | 29                 | 22.1             | 28                | 30.9            | 27                 | 18.9             |
| 200         | 40595       | 1933         | -53        | .          | 22                | 5.1             | 14                 | 2.4              | 14                | 3.1             | 14                 | 4.4              | 20                | 4.8             | 29                 | 23.8             | 32                | 38.4            | 30                 | 16.6             |
| 150         | 46481       | 1834         | -67        | .          | 17                | 4.8             | 13                 | 2.8              | 16                | 3.1             | 14                 | 3.9              | 15                | 5.8             | 25                 | 18.8             | 28                | 37.9            | 25                 | 21.9             |
| 100         | 54222       | 1139         | -77        | .          | 11                | 8.4             | 11                 | 6.8              | 16                | 8.6             | 10                 | 8.8              | 11                | 8.6             | 15                 | 16.8             | 17                | 24.6            | 16                 | 15.9             |
| 70          | 60861       | 357          | -75        | .          | 10                | 7.6             | 11                 | 12.2             | 14                | 22.9            | 12                 | 14.6             | 12                | 11.5            | 14                 | 11.5             | 12                | 12.4            | 10                 | 6.4              |
| 50          | 67323       | -184         | -66        | .          | 10                | 4.6             | 14                 | 9.9              | 18                | 34.9            | 13                 | 12.2             | 14                | 7.7             | 13                 | 10.1             | 14                | 12.7            | 9                  | 6.4              |
| 30          | 77665       | -579         | -56        | .          | 12                | 5.7             | 14                 | 10.7             | 24                | 47.9            | 14                 | 9.0              | 14                | 6.4             | 14                 | 7.9              | 12                | 8.1             | 12                 | 3.3              |
| 20          | 86358       | -523         | -50        | .          | 6                 | 2.8             | 8                  | 5.3              | 9                 | 9.7             | 8                  | 10.5             | 9                 | 3.6             | 12                 | 4.9              | 12                | 7.2             | 10                 | 4.5              |
| 10          | 100848      | -1037        | -39        | .          | 12                | 5.8             | 16                 | 10.8             | 18                | 19.5            | 17                 | 21.2             | 17                | 7.4             | 25                 | 9.9              | 24                | 14.5            | 19                 | 9.1              |

APR Latitude=12.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 24         | 7                 | 1.6             | 11                 | 45.3             | 10                | 45.6            | 6                  | 5.6              | 4                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 0.3              |
| 1000        | 263         | -101         | 28         | 24         | 5                 | 3.9             | 13                 | 36.4             | 11                | 42.1            | 6                  | 6.9              | 3                 | 2.9             | 5                  | 1.1              | 4                 | 3.3             | 6                  | 1.3              |
| 850         | 4914        | 134          | 21         | 10         | 3                 | 0.6             | 10                 | 6.8              | 13                | 46.8            | 9                  | 23.1             | 9                 | 14.6            | 7                  | 4.6              | 4                 | 1.8             | 4                  | 0.3              |
| 700         | 10301       | 419          | 11         | -4         | 7                 | 5.9             | 11                 | 29.6             | 12                | 33.3            | 10                 | 14.4             | 7                 | 3.6             | 9                  | 4.1              | 6                 | 4.9             | 6                  | 2.8              |
| 500         | 19180       | 891          | -5         | -22        | 12                | 14.4            | 12                 | 11.9             | 15                | 25.9            | 12                 | 7.9              | 9                 | 8.4             | 11                 | 11.8             | 10                | 10.4            | 10                 | 7.6              |
| 400         | 24778       | 1204         | -17        | -31        | 16                | 9.4             | 12                 | 8.3              | 15                | 14.9            | 14                 | 8.8              | 14                | 10.6            | 19                 | 17.9             | 16                | 17.3            | 13                 | 11.3             |
| 300         | 31645       | 1580         | -32        | -46        | 17                | 7.6             | 15                 | 5.1              | 15                | 5.4             | 13                 | 5.9              | 20                | 9.4             | 27                 | 20.3             | 24                | 28.9            | 21                 | 15.9             |
| 250         | 35763       | 1764         | -41        | .          | 23                | 7.1             | 13                 | 3.6              | 15                | 3.9             | 18                 | 3.4              | 24                | 7.8             | 28                 | 23.3             | 30                | 31.9            | 28                 | 17.6             |
| 200         | 40595       | 1933         | -53        | .          | 23                | 6.1             | 19                 | 2.3              | 15                | 1.3             | 14                 | 4.4              | 21                | 6.4             | 29                 | 24.1             | 31                | 39.3            | 31                 | 15.1             |
| 150         | 46478       | 1831         | -67        | .          | 19                | 4.4             | 16                 | 2.6              | 17                | 3.3             | 16                 | 4.1              | 18                | 7.9             | 24                 | 21.8             | 28                | 34.4            | 26                 | 20.3             |
| 100         | 54225       | 1142         | -76        | .          | 11                | 7.3             | 12                 | 8.4              | 14                | 8.6             | 12                 | 9.8              | 14                | 10.6            | 17                 | 17.9             | 18                | 22.4            | 15                 | 13.9             |
| 70          | 60866       | 362          | -75        | .          | 9                 | 4.7             | 11                 | 13.4             | 15                | 21.6            | 15                 | 14.4             | 14                | 12.7            | 17                 | 10.7             | 14                | 12.9            | 8                  | 5.5              |
| 50          | 67324       | -183         | -66        | .          | 9                 | 3.1             | 15                 | 12.9             | 20                | 33.5            | 15                 | 14.4             | 13                | 8.3             | 15                 | 10.7             | 15                | 12.2            | 10                 | 4.0              |
| 30          | 77659       | -585         | -66        | .          | 13                | 2.7             | 14                 | 13.7             | 27                | 46.4            | 17                 | 11.8             | 16                | 5.7             | 15                 | 8.3              | 14                | 6.6             | 11                 | 3.3              |
| 20          | 86352       | -529         | -50        | .          | 6                 | 2.8             | 8                  | 6.6              | 9                 | 10.5            | 10                 | 8.9              | 8                 | 4.9             | 11                 | 3.6              | 13                | 7.0             | 12                 | 4.3              |
| 10          | 100845      | -1040        | -39        | .          | 13                | 5.8             | 16                 | 13.3             | 19                | 21.2            | 20                 | 17.9             | 15                | 9.9             | 23                 | 7.4              | 27                | 14.1            | 24                 | 8.7              |

APR Latitude=12.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 28         | 24         | 4                 | 0.6             | 8                  | 13.6             | 9                 | 47.3            | 8                  | 29.3             | 7                 | 6.6             | 6                  | 0.3              | 2                 | 0.3             | 1                  | 0.3              |
| 1000        | 267         | -97          | 28         | 23         | 5                 | 1.4             | 9                  | 12.3             | 10                | 45.4            | 9                  | 28.8             | 6                 | 6.6             | 6                  | 1.9              | 4                 | 0.9             | 3                  | 0.4              |
| 850         | 4919        | 139          | 21         | 9          | 4                 | 1.4             | 10                 | 7.1              | 12                | 28.6            | 10                 | 30.8             | 9                 | 21.8            | 8                  | 8.1              | 7                 | 0.4             | 5                  | 0.8              |
| 700         | 10298       | 416          | 11         | -4         | 9                 | 8.8             | 11                 | 24.4             | 13                | 33.9            | 9                  | 13.9             | 5                 | 3.6             | 9                  | 4.4              | 7                 | 4.8             | 7                  | 4.1              |
| 500         | 19177       | 888          | -5         | -22        | 13                | 13.3            | 13                 | 12.8             | 15                | 24.4            | 12                 | 9.1              | 9                 | 9.3             | 10                 | 10.3             | 10                | 10.1            | 11                 | 8.9              |
| 400         | 24778       | 1204         | -17        | -31        | 17                | 9.1             | 14                 | 11.3             | 17                | 14.8            | 16                 | 6.8              | 16                | 10.9            | 17                 | 17.6             | 17                | 17.1            | 14                 | 11.3             |
| 300         | 31648       | 1583         | -32        | -46        | 17                | 9.1             | 17                 | 4.4              | 16                | 6.3             | 16                 | 5.6              | 20                | 9.6             | 25                 | 18.3             | 26                | 29.1            | 22                 | 16.4             |
| 250         | 35766       | 1767         | -41        | .          | 22                | 8.3             | 20                 | 2.8              | 17                | 2.4             | 16                 | 5.3              | 22                | 7.8             | 28                 | 22.4             | 31                | 30.9            | 28                 | 18.9             |
| 200         | 40599       | 1937         | -53        | .          | 20                | 5.9             | 19                 | 3.1              | 15                | 1.6             | 15                 | 3.9              | 20                | 6.8             | 29                 | 22.4             | 31                | 38.1            | 30                 | 17.1             |
| 150         | 46482       | 1835         | -67        | .          | 18                | 5.3             | 20                 | 2.6              | 16                | 2.9             | 16                 | 4.6              | 18                | 9.1             | 24                 | 21.9             | 27                | 32.8            | 28                 | 19.6             |
| 100         | 54231       | 1148         | -76        | .          | 13                | 5.8             | 13                 | 9.1              | 14                | 10.3            | 13                 | 10.1             | 15                | 11.6            | 18                 | 16.6             | 18                | 22.3            | 15                 | 12.9             |
| 70          | 60873       | 369          | -75        | .          | 8                 | 4.7             | 13                 | 9.0              | 17                | 23.6            | 15                 | 20.8             | 14                | 12.2            | 15                 | 11.1             | 16                | 13.1            | 8                  | 4.5              |
| 50          | 67332       | -175         | -66        | .          | 9                 | 3.5             | 14                 | 11.2             | 20                | 37.2            | 15                 | 15.1             | 12                | 6.4             | 16                 | 11.4             | 17                | 11.1            | 11                 | 2.5              |
| 30          | 77668       | -576         | -56        | .          | 11                | 3.1             | 14                 | 12.0             | 29                | 47.4            | 18                 | 14.2             | 15                | 5.3             | 16                 | 7.9              | 16                | 7.0             | 8                  | 2.2              |
| 20          | 86358       | -523         | -50        | .          | 9                 | 3.2             | 9                  | 5.5              | 10                | 11.0            | 9                  | 9.7              | 10                | 4.1             | 11                 | 3.6              | 13                | 6.8             | 14                 | 4.5              |
| 10          | 100855      | -1030        | -40        | .          | 17                | 6.6             | 17                 | 11.2             | 20                | 22.0            | 18                 | 19.5             | 19                | 8.3             | 22                 | 7.4              | 26                | 13.7            | 29                 | 9.1              |

APR Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 28         | 24         | 4                 | 0.9             | 8                  | 9.6              | 6                 | 22.9            | 7                  | 37.9             | 7                 | 23.9            | 6                  | 2.6              | 3                 | 0.3             | 2                  | 0.3              |
| 1000        | 284         | -80          | 27         | 23         | 6                 | 0.8             | 9                  | 8.1              | 7                 | 22.4            | 8                  | 35.8             | 9                 | 26.8            | 6                  | 4.1              | 6                 | 0.3             | 5                  | 0.4              |
| 850         | 4922        | 142          | 20         | 8          | 4                 | 1.4             | 10                 | 10.3             | 12                | 29.1            | 10                 | 23.1             | 10                | 20.9            | 9                  | 11.1             | 6                 | 1.6             | 7                  | 0.6              |
| 700         | 10292       | 410          | 10         | -4         | 8                 | 8.4             | 11                 | 22.8             | 14                | 38.1            | 8                  | 11.6             | 7                 | 3.8             | 8                  | 6.1              | 7                 | 2.9             | 6                  | 4.3              |
| 500         | 19176       | 887          | -5         | -22        | 12                | 9.3             | 14                 | 15.4             | 15                | 25.4            | 10                 | 10.9             | 9                 | 9.1             | 9                  | 6.3              | 10                | 11.6            | 11                 | 10.3             |
| 400         | 24779       | 1205         | -17        | -31        | 16                | 10.6            | 16                 | 11.6             | 18                | 14.9            | 15                 | 9.1              | 15                | 9.8             | 16                 | 14.9             | 16                | 18.4            | 17                 | 9.3              |
| 300         | 31646       | 1581         | -32        | -46        | 22                | 9.1             | 15                 | 6.3              | 17                | 5.8             | 15                 | 7.3              | 21                | 8.3             | 25                 | 18.6             | 25                | 26.9            | 21                 | 16.8             |
| 250         | 35765       | 1766         | -41        | .          | 24                | 7.4             | 16                 | 4.6              | 16                | 2.4             | 16                 | 5.9              | 20                | 6.9             | 29                 | 20.8             | 30                | 31.3            | 27                 | 19.6             |
| 200         | 40597       | 1935         | -53        | .          | 21                | 5.6             | 12                 | 2.9              | 15                | 2.8             | 13                 | 4.1              | 19                | 6.6             | 28                 | 21.6             | 32                | 35.1            | 29                 | 20.1             |
| 150         | 46478       | 1831         | -67        | .          | 19                | 7.3             | 16                 | 3.8              | 15                | 2.4             | 15                 | 5.1              | 18                | 10.6            | 23                 | 20.9             | 27                | 30.1            | 27                 | 18.8             |
| 100         | 54231       | 1148         | -76        | .          | 13                | 6.3             | 15                 | 9.9              | 14                | 9.6             | 13                 | 10.3             | 15                | 12.5            | 17                 | 17.8             | 18                | 21.3            | 17                 | 11.3             |
| 70          | 60875       | 371          | -75        | .          | 11                | 3.6             | 13                 | 9.4              | 17                | 25.5            | 16                 | 20.2             | 15                | 13.1            | 15                 | 10.3             | 17                | 11.5            | 10                 | 5.5              |
| 50          | 67332       | -175         | -66        | .          | 12                | 4.6             | 14                 | 12.4             | 21                | 37.9            | 14                 | 13.3             | 12                | 4.9             | 15                 | 10.1             | 17                | 12.5            | 11                 | 3.1              |
| 30          | 77667       | -577         | -56        | .          | 12                | 3.8             | 15                 | 9.2              | 29                | 52.2            | 16                 | 12.7             | 12                | 4.9             | 17                 | 6.8              | 17                | 7.5             | 8                  | 1.8              |
| 20          | 86356       | -525         | -50        | .          | 8                 | 3.2             | 10                 | 5.1              | 10                | 13.6            | 10                 | 8.2              | 8                 | 2.6             | 11                 | 4.3              | 13                | 5.3             | 15                 | 6.0              |
| 10          | 100856      | -1029        | -40        | .          | 17                | 6.6             | 19                 | 10.4             | 20                | 27.4            | 19                 | 16.6             | 17                | 5.4             | 22                 | 8.7              | 26                | 10.8            | 30                 | 12.0             |

MAY Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 24         | 17         | 0                 | 0.0             | 0                  | 0.0              | 8                 | 0.6             | 7                  | 9.0              | 8                 | 58.7            | 6                  | 28.7             | 4                 | 1.9             | 0                  | 0.0              |
| 1000        | 315         | -49          | 30         | 24         | 0                 | 0.0             | 0                  | 0.0              | 6                 | 0.8             | 9                  | 6.4              | 11                | 61.4            | 10                 | 29.8             | 8                 | 1.1             | 0                  | 0.0              |
| 850         | 4919        | 139          | 22         | 16         | 0                 | 0.0             | 14                 | 0.1              | 0                 | 0.0             | 8                  | 3.8              | 13                | 63.5            | 13                 | 31.4             | 7                 | 0.9             | 0                  | 0.0              |
| 700         | 10351       | 469          | 11         | 5          | 7                 | 20.9            | 7                  | 12.7             | 6                 | 6.2             | 6                  | 3.5              | 7                 | 5.1             | 10                 | 13.3             | 7                 | 15.1            | 8                  | 21.7             |
| 500         | 19286       | 997          | -5         | -17        | 9                 | 11.4            | 12                 | 36.6             | 13                | 38.3            | 8                  | 5.3              | 6                 | 2.2             | 5                  | 2.2              | 7                 | 0.8             | 5                  | 2.5              |
| 400         | 24926       | 1352         | -16        | -27        | 11                | 6.1             | 13                 | 23.3             | 16                | 45.1            | 12                 | 13.2             | 8                 | 4.9             | 8                  | 3.3              | 8                 | 1.6             | 6                  | 1.2              |
| 300         | 31835       | 1770         | -30        | -43        | 11                | 7.0             | 13                 | 16.7             | 15                | 36.6            | 13                 | 18.8             | 11                | 6.4             | 12                 | 5.9              | 6                 | 3.0             | 10                 | 4.0              |
| 250         | 36002       | 2003         | -41        | .          | 13                | 10.4            | 13                 | 14.3             | 15                | 27.0            | 13                 | 16.7             | 12                | 10.4            | 14                 | 10.9             | 9                 | 4.8             | 11                 | 5.3              |
| 200         | 40874       | 2212         | -53        | .          | 13                | 11.4            | 15                 | 16.2             | 16                | 20.6            | 15                 | 14.8             | 12                | 9.9             | 16                 | 10.4             | 12                | 7.4             | 13                 | 8.2              |
| 150         | 46786       | 2139         | -67        | .          | 17                | 8.8             | 16                 | 12.9             | 18                | 29.8            | 15                 | 13.7             | 12                | 5.6             | 15                 | 9.8              | 16                | 9.1             | 13                 | 9.3              |
| 100         | 54546       | 1463         | -77        | .          | 12                | 9.0             | 15                 | 17.7             | 19                | 29.5            | 16                 | 15.1             | 11                | 7.9             | 12                 | 9.6              | 16                | 6.4             | 10                 | 4.0              |
| 70          | 61272       | 768          | -74        | .          | 9                 | 7.9             | 15                 | 16.2             | 18                | 42.4            | 12                 | 12.5             | 11                | 6.9             | 13                 | 3.0              | 19                | 5.9             | 9                  | 4.5              |
| 50          | 67799       | 292          | -64        | .          | 12                | 8.5             | 17                 | 19.1             | 23                | 47.1            | 14                 | 11.2             | 10                | 3.1             | 8                  | 2.0              | 16                | 4.6             | 12                 | 3.8              |
| 30          | 78244       | 0            | -54        | .          | 18                | 8.0             | 24                 | 15.4             | 31                | 56.8            | 18                 | 11.4             | 9                 | 1.5             | 11                 | 1.6              | 11                | 1.6             | 14                 | 3.3              |
| 20          | 86992       | 111          | -49        | .          | 10                | 5.3             | 9                  | 5.7              | 16                | 28.6            | 10                 | 5.1              | 8                 | 1.3             | 3                  | 0.2              | 4                 | 0.2             | 7                  | 2.7              |
| 10          | 102141      | 256          | -39        | .          | 21                | 10.8            | 19                 | 11.5             | 32                | 57.3            | 19                 | 10.4             | 17                | 2.7             | 6                  | 0.6              | 8                 | 0.6             | 14                 | 5.5              |

MAY Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 27         | 18         | 0                 | 0.0             | 0                  | 0.0              | 5                 | 1.2             | 7                  | 4.1              | 9                 | 27.7            | 11                 | 65.8             | 6                 | 0.3             | 3                  | 0.3              |
| 1000        | 302         | -62          | 29         | 23         | 0                 | 0.0             | 2                  | 0.1              | 6                 | 0.8             | 8                  | 3.0              | 11                | 30.1            | 14                 | 64.6             | 6                 | 0.8             | 3                  | 0.1              |
| 850         | 4928        | 148          | 21         | 16         | 2                 | 0.1             | 1                  | 0.1              | 12                | 0.8             | 9                  | 2.4              | 12                | 19.8            | 18                 | 74.1             | 10                | 2.0             | 3                  | 0.1              |
| 700         | 10344       | 462          | 10         | 6          | 6                 | 14.5            | 9                  | 10.9             | 8                 | 4.8             | 6                  | 3.0              | 7                 | 3.0             | 10                 | 11.4             | 10                | 25.3            | 9                  | 25.0             |
| 500         | 19285       | 996          | -5         | -16        | 9                 | 12.2            | 12                 | 38.8             | 13                | 35.1            | 8                  | 4.5              | 5                 | 1.6             | 6                  | 1.6              | 6                 | 3.2             | 5                  | 1.9              |
| 400         | 24918       | 1344         | -16        | -27        | 11                | 8.3             | 13                 | 25.1             | 17                | 46.7            | 11                 | 8.8              | 8                 | 2.7             | 8                  | 3.5              | 5                 | 1.7             | 6                  | 2.2              |
| 300         | 31837       | 1772         | -31        | -42        | 11                | 10.9            | 14                 | 19.1             | 16                | 33.0            | 13                 | 16.9             | 11                | 5.9             | 11                 | 5.9              | 6                 | 3.8             | 9                  | 3.7              |
| 250         | 36002       | 2003         | -41        | .          | 14                | 10.8            | 15                 | 12.2             | 17                | 28.7            | 13                 | 15.6             | 13                | 12.4            | 13                 | 8.0              | 10                | 5.4             | 10                 | 6.2              |
| 150         | 46784       | 2137         | -53        | .          | 12                | 8.0             | 14                 | 16.2             | 17                | 25.3            | 16                 | 14.8             | 12                | 11.2            | 15                 | 9.3              | 13                | 8.2             | 15                 | 5.8              |
| 100         | 54548       | 1465         | -67        | .          | 16                | 5.8             | 14                 | 13.5             | 20                | 30.8            | 17                 | 13.7             | 11                | 7.5             | 16                 | 10.6             | 16                | 9.6             | 14                 | 8.2              |
| 70          | 61276       | 772          | -74        | .          | 12                | 7.4             | 16                 | 15.8             | 19                | 32.0            | 17                 | 15.4             | 11                | 6.1             | 13                 | 10.3             | 16                | 7.7             | 8                  | 4.3              |
| 50          | 67798       | 291          | -64        | .          | 9                 | 5.3             | 16                 | 18.2             | 19                | 41.7            | 12                 | 11.4             | 12                | 6.9             | 13                 | 4.8              | 18                | 6.2             | 9                  | 4.6              |
| 30          | 78236       | 99           | -54        | .          | 10                | 7.7             | 17                 | 20.1             | 24                | 44.9            | 13                 | 12.0             | 11                | 3.6             | 10                 | 2.0              | 15                | 4.8             | 14                 | 4.1              |
| 20          | 86980       | 99           | -49        | .          | 13                | 7.0             | 22                 | 16.1             | 32                | 57.7            | 16                 | 10.9             | 7                 | 1.1             | 10                 | 1.8              | 14                | 1.5             | 17                 | 3.5              |
| 10          | 102139      | 254          | -39        | .          | 9                 | 4.8             | 8                  | 4.3              | 17                | 29.5            | 10                 | 5.0              | 7                 | 1.8             | 4                  | 0.1              | 5                 | 0.6             | 8                  | 3.0              |
|             |             |              |            |            | 17                | 9.7             | 17                 | 8.7              | 33                | 59.0            | 20                 | 10.1             | 13                | 3.8             | 8                  | 0.3              | 10                | 1.3             | 17                 | 6.2              |

MAY Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | NE   | NE  | E    | E   | SE   | SE  | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (%) | SPD  | FRQ | (%)  | SPD | FRQ  | (%) | SPD  | FRQ | (%)  | FRQ |
| SFC  | .      | .    | 28  | 19  | 0   | 0.0  | 0   | 0.0  | 5   | 2.2  | 7   | 10.9 | 8   | 27.4 | 11  | 59.0 | 0   |
| 1000 | 282    | -82  | 29  | 23  | 3   | 0.1  | 0   | 0.0  | 7   | 1.9  | 8   | 7.2  | 10  | 28.3 | 15  | 60.8 | 4   |
| 850  | 4932   | 152  | 21  | 16  | 0   | 0.0  | 3   | 0.3  | 9   | 2.5  | 8   | 5.1  | 9   | 9.5  | 18  | 75.8 | 6   |
| 700  | 10344  | 462  | 10  | 5   | 8   | 14.6 | 9   | 12.9 | 8   | 6.2  | 4   | 1.4  | 5   | 1.4  | 10  | 6.2  | 10  |
| 500  | 19274  | 985  | -5  | -16 | 10  | 13.2 | 11  | 32.2 | 14  | 39.1 | 9   | 4.1  | 4   | 1.1  | 8   | 1.4  | 6   |
| 400  | 24914  | 1340 | -16 | -28 | 11  | 11.1 | 13  | 26.1 | 17  | 43.3 | 12  | 6.7  | 6   | 1.6  | 11  | 1.6  | 7   |
| 300  | 31838  | 1773 | -31 | -43 | 12  | 9.5  | 14  | 20.9 | 17  | 32.0 | 13  | 13.3 | 12  | 6.6  | 9   | 5.1  | 10  |
| 250  | 36001  | 2002 | -41 | .   | 13  | 11.1 | 14  | 16.2 | 18  | 27.0 | 14  | 12.7 | 14  | 9.9  | 11  | 7.5  | 12  |
| 200  | 40873  | 2211 | -53 | .   | 13  | 6.6  | 14  | 15.9 | 18  | 27.4 | 17  | 14.5 | 13  | 9.3  | 15  | 8.5  | 13  |
| 150  | 46785  | 2138 | -67 | .   | 14  | 4.6  | 15  | 13.3 | 20  | 30.9 | 19  | 14.9 | 14  | 5.6  | 14  | 11.9 | 16  |
| 100  | 54552  | 1469 | -77 | .   | 10  | 4.6  | 16  | 16.7 | 19  | 32.2 | 18  | 18.2 | 12  | 7.7  | 12  | 5.9  | 18  |
| 70   | 61280  | 776  | -74 | .   | 9   | 3.7  | 17  | 15.6 | 18  | 44.6 | 13  | 12.0 | 10  | 5.8  | 16  | 8.2  | 10  |
| 50   | 67798  | 291  | -64 | .   | 10  | 4.0  | 18  | 17.2 | 24  | 47.3 | 12  | 12.5 | 9   | 5.5  | 10  | 3.0  | 16  |
| 30   | 78232  | -12  | -54 | .   | 13  | 4.3  | 21  | 15.1 | 33  | 59.3 | 15  | 9.3  | 6   | 2.3  | 9   | 2.8  | 12  |
| 20   | 86972  | 91   | -49 | .   | 8   | 2.2  | 10  | 4.0  | 17  | 27.9 | 10  | 6.9  | 5   | 2.7  | 3   | 1.3  | 6   |
| 10   | 102138 | 253  | -39 | .   | 16  | 4.5  | 20  | 8.0  | 34  | 55.9 | 20  | 13.9 | 11  | 5.5  | 7   | 2.7  | 13  |

MAY Latitude= 7.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | NE   | NE  | E    | E   | SE   | SE  | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (%) | SPD  | FRQ | (%)  | SPD | FRQ  | (%) | SPD  | FRQ | (%)  | FRQ |
| SFC  | .      | .    | 29  | 25  | 0   | 0.0  | 4   | 1.2  | 8   | 4.5  | 8   | 10.3 | 13  | 40.6 | 19  | 43.2 | 0   |
| 1000 | 260    | -104 | 28  | 24  | 1   | 0.1  | 5   | 0.8  | 8   | 3.0  | 9   | 8.0  | 13  | 36.7 | 19  | 50.4 | 3   |
| 850  | 4929   | 149  | 20  | 14  | 2   | 0.8  | 8   | 1.6  | 8   | 6.7  | 7   | 3.5  | 8   | 4.1  | 19  | 51.7 | 8   |
| 700  | 10337  | 455  | 10  | 3   | 10  | 20.3 | 9   | 13.5 | 10  | 6.9  | 5   | 1.9  | 6   | 0.6  | 8   | 5.3  | 11  |
| 500  | 19267  | 978  | -5  | -17 | 10  | 12.9 | 12  | 34.0 | 14  | 37.7 | 9   | 3.7  | 6   | 0.4  | 9   | 1.4  | 7   |
| 400  | 24911  | 1337 | -16 | -29 | 12  | 10.9 | 13  | 25.0 | 18  | 39.9 | 13  | 7.4  | 6   | 1.9  | 8   | 2.0  | 9   |
| 300  | 31843  | 1778 | -31 | -44 | 14  | 8.3  | 14  | 20.9 | 17  | 33.2 | 13  | 11.9 | 10  | 5.8  | 8   | 4.5  | 11  |
| 250  | 36002  | 2003 | -40 | .   | 13  | 9.6  | 15  | 18.0 | 18  | 26.7 | 15  | 14.0 | 11  | 7.4  | 15  | 5.4  | 13  |
| 200  | 40875  | 2213 | -53 | .   | 12  | 8.0  | 15  | 13.8 | 18  | 26.7 | 17  | 16.9 | 14  | 6.4  | 14  | 8.3  | 15  |
| 150  | 46788  | 2141 | -67 | .   | 12  | 4.6  | 15  | 11.2 | 21  | 30.9 | 18  | 18.3 | 13  | 5.4  | 17  | 8.3  | 15  |
| 100  | 54559  | 1476 | -77 | .   | 10  | 4.5  | 14  | 16.4 | 21  | 34.6 | 18  | 16.4 | 13  | 6.6  | 16  | 8.5  | 15  |
| 70   | 61288  | 784  | -74 | .   | 10  | 4.0  | 17  | 12.0 | 19  | 45.6 | 13  | 14.9 | 13  | 6.1  | 13  | 5.9  | 16  |
| 50   | 67797  | 290  | -65 | .   | 14  | 2.1  | 18  | 10.5 | 24  | 52.0 | 13  | 13.0 | 9   | 6.2  | 10  | 5.3  | 13  |
| 30   | 78220  | -24  | -54 | .   | 11  | 2.8  | 18  | 11.4 | 34  | 57.3 | 18  | 13.4 | 13  | 3.6  | 12  | 3.5  | 14  |
| 20   | 86960  | 79   | -49 | .   | 5   | 0.8  | 13  | 2.5  | 17  | 28.2 | 12  | 6.2  | 7   | 3.2  | 9   | 2.9  | 9   |
| 10   | 102134 | 249  | -39 | .   | 11  | 1.7  | 26  | 5.2  | 35  | 56.6 | 24  | 12.5 | 14  | 6.6  | 17  | 5.9  | 18  |

MAY Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 26         | 0                 | 0.0             | 5                  | 2.5              | 5                 | 6.4             | 5                  | 4.1              | 9                 | 26.1            | 17                 | 59.9             | 3                 | 0.3             | 0                  | 0.0              |
| 1000        | 264         | -100         | 27         | 25         | 3                 | 0.1             | 7                  | 2.0              | 5                 | 4.9             | 7                  | 5.9              | 10                | 22.2            | 18                 | 62.4             | 7                 | 1.4             | 4                  | 0.1              |
| 850         | 4932        | 152          | 20         | 12         | 3                 | 1.6             | 6                  | 2.4              | 8                 | 7.0             | 8                  | 4.5              | 8                 | 6.6             | 18                 | 31.9             | 16                | 39.1            | 7                  | 6.1              |
| 700         | 10329       | 447          | 10         | 1          | 8                 | 19.5            | 8                  | 14.1             | 10                | 9.8             | 5                  | 1.6              | 10                | 1.4             | 7                  | 4.6              | 11                | 18.3            | 12                 | 29.5             |
| 500         | 19261       | 972          | -5         | -17        | 8                 | 11.7            | 12                 | 32.9             | 14                | 34.0            | 8                  | 6.6              | 4                 | 1.2             | 9                  | 1.9              | 7                 | 2.5             | 9                  | 8.3              |
| 400         | 24909       | 1335         | -16        | -29        | 9                 | 11.2            | 14                 | 22.4             | 18                | 39.5            | 11                 | 6.6              | 7                 | 2.5             | 8                  | 2.4              | 10                | 5.6             | 11                 | 9.1              |
| 300         | 31845       | 1780         | -31        | -44        | 12                | 8.2             | 14                 | 19.6             | 17                | 34.1            | 14                 | 10.4             | 9                 | 4.3             | 9                  | 5.3              | 13                | 7.7             | 12                 | 9.9              |
| 250         | 36002       | 2003         | -40        | .          | 12                | 9.0             | 16                 | 15.8             | 17                | 29.6            | 14                 | 13.7             | 12                | 6.7             | 13                 | 5.9              | 15                | 9.5             | 15                 | 9.1              |
| 200         | 40875       | 2213         | -53        | .          | 12                | 7.0             | 15                 | 13.5             | 18                | 27.2            | 17                 | 19.3             | 14                | 6.6             | 13                 | 7.0              | 16                | 10.9            | 16                 | 7.7              |
| 150         | 46788       | 2141         | -67        | .          | 12                | 4.5             | 14                 | 10.8             | 22                | 33.5            | 18                 | 18.0             | 14                | 6.9             | 17                 | 7.5              | 17                | 10.4            | 16                 | 8.0              |
| 100         | 54561       | 1478         | -77        | .          | 9                 | 4.9             | 13                 | 14.1             | 23                | 37.0            | 18                 | 15.9             | 12                | 6.2             | 14                 | 6.9              | 16                | 9.3             | 11                 | 4.8              |
| 70          | 61291       | 787          | -74        | .          | 11                | 3.8             | 16                 | 12.2             | 19                | 43.8            | 14                 | 15.4             | 11                | 6.9             | 12                 | 6.9              | 17                | 7.0             | 13                 | 2.9              |
| 50          | 67797       | 290          | -65        | .          | 12                | 3.3             | 18                 | 7.8              | 23                | 55.2            | 13                 | 12.0             | 10                | 4.1             | 11                 | 6.8              | 13                | 7.8             | 11                 | 2.3              |
| 30          | 78213       | -31          | -54        | .          | 13                | 3.1             | 17                 | 11.2             | 35                | 59.5            | 17                 | 9.7              | 12                | 3.8             | 17                 | 6.3              | 15                | 4.1             | 9                  | 1.6              |
| 20          | 86953       | 72           | -49        | .          | 5                 | 0.5             | 10                 | 3.6              | 18                | 29.0            | 12                 | 4.3              | 9                 | 2.5             | 12                 | 5.8              | 13                | 2.5             | 7                  | 1.1              |
| 10          | 102128      | 243          | -39        | .          | 11                | 1.0             | 21                 | 7.3              | 36                | 58.0            | 25                 | 8.7              | 17                | 5.2             | 25                 | 11.8             | 26                | 5.2             | 14                 | 2.4              |

MAY Latitude=10.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 16         | 6                 | 8.0             | 6                  | 17.4             | 4                 | 15.4            | 4                  | 17.4             | 5                 | 26.7            | 4                  | 9.0              | 2                 | 0.9             | 3                  | 1.2              |
| 1000        | 273         | -91          | 32         | 25         | 6                 | 7.4             | 7                  | 11.4             | 5                 | 15.9            | 6                  | 23.8             | 7                 | 25.8            | 5                  | 8.7              | 5                 | 2.2             | 4                  | 2.7              |
| 850         | 4891        | 111          | 25         | 17         | 7                 | 5.9             | 7                  | 10.3             | 6                 | 16.4            | 7                  | 28.2             | 8                 | 25.6            | 5                  | 8.5              | 5                 | 2.0             | 4                  | 1.1              |
| 700         | 10359       | 477          | 12         | 5          | 7                 | 12.7            | 9                  | 24.3             | 8                 | 25.6            | 6                  | 11.9             | 6                 | 8.7             | 6                  | 4.0              | 5                 | 4.6             | 5                  | 6.4              |
| 500         | 19296       | 1007         | -5         | -18        | 10                | 7.9             | 13                 | 36.9             | 15                | 42.0            | 8                  | 7.5              | 8                 | 2.2             | 8                  | 0.8              | 6                 | 0.9             | 6                  | 1.1              |
| 400         | 24940       | 1366         | -16        | -27        | 11                | 7.5             | 12                 | 19.0             | 16                | 42.7            | 12                 | 16.9             | 11                | 4.8             | 8                  | 4.1              | 6                 | 1.9             | 7                  | 2.2              |
| 300         | 31842       | 1777         | -31        | -42        | 13                | 12.7            | 11                 | 15.3             | 16                | 26.9            | 14                 | 18.2             | 12                | 11.4            | 14                 | 5.9              | 9                 | 4.6             | 13                 | 4.0              |
| 250         | 36011       | 2012         | -41        | .          | 13                | 9.5             | 11                 | 11.6             | 17                | 21.2            | 14                 | 15.8             | 13                | 12.7            | 16                 | 14.5             | 10                | 6.6             | 14                 | 7.5              |
| 200         | 40885       | 2223         | -53        | .          | 13                | 8.8             | 13                 | 10.9             | 15                | 17.5            | 14                 | 15.1             | 13                | 11.1            | 16                 | 15.1             | 14                | 10.6            | 14                 | 9.8              |
| 150         | 46802       | 2155         | -67        | .          | 14                | 7.4             | 14                 | 9.9              | 18                | 21.1            | 16                 | 18.8             | 12                | 8.5             | 15                 | 11.7             | 16                | 12.4            | 18                 | 9.0              |
| 100         | 54558       | 1475         | -77        | .          | 14                | 5.8             | 15                 | 14.0             | 17                | 30.9            | 16                 | 19.5             | 9                 | 7.7             | 12                 | 8.0              | 12                | 7.5             | 13                 | 5.6              |
| 70          | 61288       | 784          | -73        | .          | 10                | 5.8             | 14                 | 18.2             | 17                | 49.0            | 13                 | 13.7             | 9                 | 4.9             | 9                  | 2.4              | 8                 | 2.8             | 9                  | 3.0              |
| 50          | 67820       | 313          | -64        | .          | 14                | 4.8             | 17                 | 16.7             | 22                | 56.8            | 15                 | 13.2             | 9                 | 0.6             | 4                  | 2.0              | 0                 | 0.0             | 13                 | 2.5              |
| 30          | 78272       | 28           | -54        | .          | 18                | 5.0             | 21                 | 15.6             | 29                | 64.0            | 19                 | 11.7             | 9                 | 0.8             | 6                  | 0.5              | 0                 | 0.0             | 15                 | 1.8              |
| 20          | 87023       | 142          | -48        | .          | 11                | 2.7             | 11                 | 7.2              | 15                | 31.5            | 11                 | 6.4              | 5                 | 0.8             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 0.6              |
| 10          | 102187      | 302          | -39        | .          | 22                | 5.5             | 22                 | 14.6             | 30                | 63.2            | 21                 | 12.9             | 10                | 1.7             | 0                  | 0.0              | 0                 | 0.0             | 17                 | 1.3              |

MAY Latitude=10.00 Longitude= 45.00

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N            |            | NE           |            | E            |            | SE           |            | S            |            | SW           |            | W            |            | NW           |            |
|------|-------------|--------------|------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
|      |             |              |            |            | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) |
| SFC  | .           | .            | 27         | 18         | 5            | 11.2       | 4            | 4.8        | 3            | 3.2        | 3            | 4.1        | 6            | 26.1       | 6            | 29.3       | 3            | 10.3       | 5            | 6.4        |
| 1000 | 244         | -120         | 32         | 25         | 8            | 14.0       | 7            | 10.8       | 5            | 10.8       | 5            | 10.3       | 8            | 22.7       | 8            | 20.6       | 5            | 4.3        | 4            | 4.5        |
| 850  | 4904        | 124          | 23         | 15         | 7            | 3.7        | 5            | 4.9        | 6            | 3.7        | 7            | 12.9       | 8            | 29.0       | 10           | 35.6       | 7            | 5.1        | 5            | 3.7        |
| 700  | 10353       | 471          | 11         | 4          | 7            | 12.5       | 9            | 20.1       | 8            | 14.5       | 6            | 11.9       | 5            | 7.7        | 5            | 9.1        | 6            | 12.4       | 6            | 9.1        |
| 500  | 19293       | 1004         | -5         | -18        | 10           | 7.5        | 14           | 40.6       | 15           | 41.4       | 10           | 5.4        | 6            | 0.9        | 6            | 0.3        | 6            | 1.1        | 6            | 2.4        |
| 400  | 24932       | 1358         | -16        | -28        | 11           | 9.0        | 13           | 21.2       | 17           | 44.9       | 13           | 12.4       | 10           | 3.5        | 7            | 2.7        | 8            | 2.4        | 7            | 2.9        |
| 300  | 31847       | 1782         | -31        | -42        | 12           | 11.7       | 13           | 17.7       | 16           | 31.4       | 13           | 15.6       | 13           | 8.5        | 11           | 5.1        | 15           | 2.0        | 11           | 6.6        |
| 250  | 36010       | 2011         | -41        | .          | 14           | 10.4       | 13           | 13.3       | 17           | 24.5       | 14           | 15.3       | 14           | 11.7       | 13           | 12.0       | 13           | 6.9        | 16           | 5.4        |
| 200  | 40880       | 2218         | -53        | .          | 13           | 7.2        | 14           | 9.3        | 16           | 22.7       | 15           | 16.9       | 13           | 12.7       | 15           | 13.3       | 16           | 8.8        | 15           | 8.2        |
| 150  | 46794       | 2147         | -67        | .          | 13           | 6.1        | 15           | 8.2        | 19           | 24.6       | 16           | 18.3       | 12           | 9.9        | 15           | 12.9       | 17           | 11.2       | 17           | 7.7        |
| 100  | 54559       | 1476         | -77        | .          | 12           | 3.7        | 15           | 15.4       | 18           | 34.0       | 17           | 17.7       | 11           | 8.7        | 13           | 8.2        | 13           | 6.4        | 13           | 4.6        |
| 70   | 61289       | 785          | -74        | .          | 12           | 3.7        | 15           | 16.1       | 17           | 50.9       | 13           | 14.9       | 10           | 5.4        | 9            | 3.5        | 14           | 2.2        | 8            | 2.2        |
| 50   | 67810       | 303          | -64        | .          | 12           | 3.1        | 16           | 18.1       | 22           | 59.5       | 14           | 11.7       | 9            | 1.8        | 9            | 1.1        | 9            | 1.5        | 11           | 2.5        |
| 30   | 78251       | 7            | -54        | .          | 15           | 4.8        | 21           | 16.1       | 30           | 67.2       | 16           | 9.0        | 8            | 0.8        | 8            | 0.6        | 5            | 0.1        | 17           | 0.8        |
| 20   | 86994       | 113          | -49        | .          | 11           | 2.9        | 11           | 6.2        | 16           | 31.5       | 11           | 6.9        | 7            | 1.1        | 2            | 0.1        | 2            | 0.1        | 5            | 0.2        |
| 10   | 102170      | 285          | -39        | .          | 23           | 5.9        | 22           | 12.5       | 31           | 63.2       | 23           | 13.9       | 14           | 2.4        | 3            | 0.3        | 3            | 0.3        | 11           | 0.6        |

MAY Latitude=10.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |      | S     |      | SW    |      | W     |      | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 25  | 18  | 4     | 1.6  | 5     | 3.2  | 5     | 4.1  | 5     | 8.0  | 6     | 24.1 | 8     | 38.7 | 5     | 13.8 | 3     | 4.1  |
| 1000 | 282    | -82  | 31  | 25  | 3     | 3.0  | 5     | 3.0  | 6     | 4.8  | 5     | 10.1 | 8     | 21.9 | 10    | 37.2 | 7     | 14.9 | 4     | 4.0  |
| 850  | 4911   | 131  | 23  | 17  | 6     | 0.6  | 7     | 1.6  | 8     | 2.7  | 8     | 9.6  | 10    | 19.1 | 13    | 50.6 | 10    | 12.7 | 5     | 2.0  |
| 700  | 10349  | 467  | 10  | 7   | 6     | 11.7 | 8     | 12.0 | 8     | 12.4 | 7     | 5.9  | 5     | 4.5  | 7     | 14.5 | 9     | 21.9 | 7     | 15.9 |
| 500  | 19289  | 1000 | -5  | -17 | 10    | 8.8  | 14    | 38.7 | 15    | 42.7 | 10    | 5.1  | 0     | 0.0  | 7     | 0.4  | 5     | 1.9  | 7     | 2.0  |
| 400  | 24928  | 1354 | -16 | -27 | 12    | 8.5  | 14    | 24.0 | 18    | 47.0 | 14    | 10.3 | 9     | 1.1  | 10    | 1.1  | 9     | 2.0  | 8     | 5.1  |
| 300  | 31839  | 1774 | -31 | -42 | 13    | 11.7 | 13    | 21.9 | 18    | 31.7 | 14    | 12.2 | 12    | 8.0  | 10    | 3.3  | 13    | 3.2  | 14    | 7.4  |
| 250  | 36009  | 2010 | -41 | .   | 13    | 10.1 | 16    | 15.9 | 17    | 25.8 | 14    | 12.7 | 15    | 11.9 | 12    | 6.7  | 15    | 7.9  | 13    | 8.7  |
| 200  | 40884  | 2222 | -53 | .   | 12    | 8.0  | 13    | 11.4 | 18    | 23.5 | 16    | 16.6 | 17    | 9.6  | 14    | 11.6 | 16    | 10.6 | 15    | 7.9  |
| 150  | 46798  | 2151 | -67 | .   | 13    | 5.4  | 14    | 10.4 | 19    | 26.2 | 17    | 18.7 | 12    | 7.0  | 15    | 11.7 | 19    | 12.0 | 15    | 7.9  |
| 100  | 54560  | 1477 | -77 | .   | 11    | 3.5  | 15    | 14.9 | 19    | 34.3 | 18    | 21.4 | 11    | 6.1  | 13    | 8.7  | 13    | 6.1  | 13    | 4.5  |
| 70   | 61289  | 785  | -74 | .   | 11    | 2.7  | 15    | 14.5 | 19    | 50.9 | 14    | 17.5 | 11    | 5.6  | 11    | 2.7  | 12    | 3.7  | 10    | 1.6  |
| 50   | 67810  | 303  | -64 | .   | 12    | 3.1  | 16    | 14.5 | 23    | 60.9 | 16    | 13.5 | 10    | 2.3  | 9     | 1.5  | 8     | 2.3  | 12    | 1.1  |
| 30   | 78247  | 3    | -54 | .   | 16    | 3.6  | 20    | 15.2 | 30    | 69.6 | 17    | 8.2  | 9     | 0.5  | 7     | 1.1  | 5     | 0.3  | 13    | 0.5  |
| 20   | 86991  | 110  | -49 | .   | 10    | 2.5  | 10    | 5.0  | 15    | 33.3 | 12    | 6.7  | 6     | 1.0  | 1     | 0.1  | 2     | 0.2  | 5     | 0.5  |
| 10   | 102169 | 284  | -40 | .   | 21    | 5.2  | 19    | 10.1 | 31    | 66.7 | 25    | 13.6 | 12    | 2.0  | 1     | 0.3  | 4     | 0.6  | 10    | 1.0  |

MAY Latitude=10.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 20         | 0                 | 0.0             | 10                 | 0.3              | 9                 | 7.0             | 7                  | 22.5             | 7                 | 37.0            | 9                  | 31.6             | 5                 | 0.3             | 5                  | 0.3              |
| 1000        | 243         | -121         | 31         | 23         | 0                 | 0.0             | 13                 | 0.1              | 10                | 4.3             | 8                  | 22.0             | 11                | 43.0            | 13                 | 29.0             | 6                 | 0.4             | 7                  | 0.1              |
| 850         | 4919        | 139          | 22         | 16         | 4                 | 0.3             | 8                  | 1.2              | 10                | 3.7             | 9                  | 8.3              | 9                 | 18.2            | 15                 | 50.0             | 12                | 16.4            | 6                  | 1.2              |
| 700         | 10345       | 463          | 10         | 4          | 8                 | 18.3            | 10                 | 12.7             | 10                | 10.6            | 6                  | 1.6              | 5                 | 1.9             | 8                  | 6.4              | 11                | 19.3            | 10                 | 27.9             |
| 500         | 19280       | 991          | -5         | -18        | 12                | 9.5             | 14                 | 37.9             | 16                | 42.0            | 12                 | 4.3              | 3                 | 0.4             | 7                  | 1.2              | 6                 | 2.0             | 6                  | 1.7              |
| 400         | 24919       | 1345         | -16        | -29        | 13                | 10.8            | 14                 | 25.8             | 19                | 45.6            | 13                 | 8.8              | 5                 | 0.1             | 13                 | 0.6              | 12                | 3.5             | 10                 | 4.5              |
| 300         | 31843       | 1778         | -31        | -43        | 15                | 10.9            | 15                 | 20.4             | 18                | 34.1            | 14                 | 12.5             | 12                | 5.3             | 8                  | 3.3              | 16                | 4.8             | 14                 | 7.5              |
| 250         | 36006       | 2007         | -41        | .          | 13                | 10.1            | 17                 | 17.4             | 18                | 24.6            | 14                 | 14.1             | 15                | 9.3             | 12                 | 6.6              | 16                | 8.2             | 14                 | 9.1              |
| 200         | 40882       | 2220         | -53        | .          | 12                | 7.2             | 15                 | 10.8             | 17                | 25.4            | 16                 | 16.1             | 15                | 9.8             | 14                 | 10.8             | 19                | 11.4            | 18                 | 7.7              |
| 150         | 46798       | 2151         | -67        | .          | 14                | 5.8             | 14                 | 9.5              | 19                | 25.3            | 18                 | 20.3             | 14                | 7.9             | 15                 | 10.4             | 18                | 12.7            | 16                 | 7.4              |
| 100         | 54564       | 1481         | -77        | .          | 11                | 4.9             | 15                 | 14.5             | 20                | 34.0            | 19                 | 21.1             | 13                | 4.9             | 12                 | 8.0              | 13                | 7.0             | 13                 | 4.9              |
| 70          | 51294       | 790          | -74        | .          | 11                | 2.5             | 16                 | 12.5             | 20                | 52.2            | 14                 | 17.2             | 13                | 4.6             | 10                 | 4.1              | 12                | 3.7             | 10                 | 2.4              |
| 50          | 67809       | 302          | -64        | .          | 11                | 3.0             | 16                 | 10.2             | 24                | 62.4            | 16                 | 16.1             | 9                 | 2.5             | 9                  | 2.5              | 10                | 1.3             | 10                 | 1.6              |
| 30          | 78242       | -2           | -54        | .          | 12                | 3.1             | 19                 | 10.9             | 32                | 67.2            | 18                 | 13.7             | 10                | 1.3             | 8                  | 1.1              | 8                 | 1.0             | 8                  | 1.3              |
| 20          | 86982       | 101          | -49        | .          | 7                 | 1.6             | 9                  | 3.6              | 16                | 32.6            | 12                 | 8.1              | 6                 | 1.0             | 4                  | 0.2              | 4                 | 0.8             | 3                  | 1.1              |
| 10          | 102161      | 276          | -40        | .          | 15                | 3.4             | 18                 | 7.3              | 31                | 65.3            | 24                 | 16.4             | 13                | 2.0             | 8                  | 0.6              | 8                 | 1.7             | 7                  | 2.4              |

MAY Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 26         | 3                 | 1.2             | 5                  | 0.6              | 7                 | 5.4             | 8                  | 11.2             | 13                | 57.4            | 19                 | 23.2             | 5                 | 0.3             | 0                  | 0.0              |
| 1000        | 241         | -123         | 28         | 25         | 4                 | 0.3             | 7                  | 0.6              | 7                 | 3.5             | 8                  | 10.4             | 14                | 57.4            | 22                 | 26.9             | 6                 | 0.1             | 3                  | 0.3              |
| 850         | 4923        | 143          | 21         | 13         | 4                 | 1.1             | 5                  | 3.2              | 9                 | 5.9             | 8                  | 9.3              | 9                 | 9.1             | 15                 | 40.8             | 13                | 25.4            | 6                  | 3.7              |
| 700         | 10332       | 450          | 11         | 0          | 9                 | 18.2            | 10                 | 21.1             | 10                | 17.0            | 8                  | 2.9              | 7                 | 2.7             | 9                  | 4.6              | 11                | 14.0            | 11                 | 18.2             |
| 500         | 19271       | 982          | -4         | -19        | 12                | 9.0             | 15                 | 38.0             | 16                | 39.3            | 10                 | 5.6              | 6                 | 1.4             | 10                 | 0.9              | 6                 | 1.7             | 6                  | 3.2              |
| 400         | 24920       | 1346         | -16        | -30        | 13                | 9.5             | 16                 | 25.4             | 18                | 44.6            | 13                 | 6.4              | 6                 | 1.4             | 7                  | 1.1              | 11                | 4.5             | 11                 | 6.1              |
| 300         | 31851       | 1786         | -31        | -45        | 13                | 10.9            | 15                 | 21.2             | 18                | 32.5            | 13                 | 12.0             | 10                | 5.4             | 8                  | 3.2              | 15                | 5.6             | 15                 | 8.7              |
| 250         | 36008       | 2009         | -40        | .          | 13                | 9.5             | 16                 | 18.0             | 18                | 26.9            | 14                 | 12.9             | 12                | 9.0             | 11                 | 5.8              | 19                | 7.9             | 16                 | 9.5              |
| 200         | 40881       | 2219         | -53        | .          | 14                | 5.9             | 15                 | 10.3             | 17                | 28.3            | 17                 | 17.4             | 16                | 9.9             | 13                 | 8.2              | 19                | 10.6            | 19                 | 8.5              |
| 150         | 46795       | 2148         | -67        | .          | 12                | 6.2             | 14                 | 10.1             | 21                | 29.1            | 19                 | 19.6             | 15                | 6.2             | 15                 | 9.3              | 21                | 9.5             | 17                 | 8.8              |
| 100         | 54572       | 1489         | -77        | .          | 10                | 5.1             | 15                 | 13.0             | 22                | 37.7            | 19                 | 19.0             | 13                | 6.4             | 13                 | 6.1              | 14                | 7.2             | 11                 | 4.6              |
| 70          | 61302       | 798          | -74        | .          | 11                | 3.5             | 16                 | 10.6             | 20                | 53.0            | 16                 | 17.0             | 12                | 4.8             | 11                 | 3.5              | 13                | 4.8             | 11                 | 3.5              |
| 50          | 67809       | 302          | -65        | .          | 11                | 3.5             | 16                 | 8.7              | 24                | 62.0            | 14                 | 13.7             | 10                | 4.0             | 8                  | 3.1              | 9                 | 1.8             | 9                  | 2.8              |
| 30          | 78232       | -12          | -54        | .          | 10                | 2.3             | 18                 | 11.7             | 33                | 66.9            | 16                 | 10.9             | 11                | 3.3             | 10                 | 2.0              | 10                | 1.1             | 7                  | 1.1              |
| 20          | 86972       | 91           | -49        | .          | 4                 | 1.3             | 10                 | 3.6              | 16                | 30.8            | 11                 | 7.2              | 7                 | 2.9             | 9                  | 1.1              | 7                 | 1.3             | 5                  | 1.0              |
| 10          | 102157      | 272          | -40        | .          | 9                 | 2.7             | 20                 | 7.3              | 33                | 61.8            | 23                 | 14.6             | 13                | 5.9             | 17                 | 2.4              | 14                | 2.7             | 10                 | 2.0              |

MAY Latitude=12.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 31         | 19         | 6                 | 14.1            | 5                  | 15.8             | 6                 | 31.2            | 7                  | 29.6             | 2                 | 1.2             | 0                  | 0.0              | 2                 | 0.3             | 5                  | 5.8              |
| 1000        | 186         | -178         | 33         | 24         | 8                 | 8.3             | 7                  | 9.1              | 9                 | 29.9            | 10                 | 35.9             | 6                 | 7.9             | 6                  | 3.8              | 6                 | 1.6             | 7                  | 2.7              |
| 850         | 4898        | 118          | 25         | 13         | 7                 | 5.1             | 5                  | 5.6              | 10                | 27.9            | 13                 | 49.5             | 8                 | 5.1             | 6                  | 0.6              | 5                 | 1.6             | 8                  | 3.2              |
| 700         | 10370       | 488          | 12         | 1          | 6                 | 7.4             | 9                  | 20.8             | 13                | 50.3            | 9                  | 15.6             | 7                 | 1.7             | 3                  | 1.1              | 3                 | 0.3             | 3                  | 1.1              |
| 500         | 19313       | 1024         | -5         | -19        | 10                | 7.5             | 12                 | 27.9             | 14                | 44.1            | 11                 | 10.9             | 9                 | 3.8             | 10                 | 2.0              | 5                 | 1.4             | 7                  | 1.6              |
| 400         | 24942       | 1368         | -16        | -31        | 12                | 11.9            | 13                 | 12.9             | 14                | 27.4            | 14                 | 21.2             | 13                | 9.0             | 10                 | 8.7              | 7                 | 2.2             | 8                  | 6.2              |
| 300         | 31858       | 1793         | -31        | -44        | 14                | 9.1             | 10                 | 9.1              | 14                | 16.7            | 14                 | 14.6             | 13                | 12.0            | 17                 | 15.8             | 12                | 9.6             | 15                 | 12.0             |
| 250         | 36011       | 2012         | -41        | .          | 13                | 6.7             | 11                 | 7.2              | 16                | 14.5            | 15                 | 11.1             | 15                | 11.9            | 19                 | 20.3             | 17                | 14.0            | 19                 | 13.8             |
| 200         | 40879       | 2217         | -53        | .          | 14                | 6.1             | 10                 | 4.5              | 14                | 11.4            | 15                 | 12.7             | 14                | 11.7            | 19                 | 23.2             | 19                | 16.9            | 17                 | 13.2             |
| 150         | 46800       | 2153         | -67        | .          | 12                | 5.1             | 14                 | 6.7              | 17                | 14.5            | 16                 | 16.9             | 13                | 9.3             | 17                 | 17.9             | 18                | 15.8            | 17                 | 12.4             |
| 100         | 54576       | 1493         | -76        | .          | 10                | 4.6             | 14                 | 13.7             | 16                | 24.6            | 16                 | 21.4             | 9                 | 9.6             | 11                 | 10.1             | 10                | 7.9             | 15                 | 6.9              |
| 70          | 61314       | 810          | -73        | .          | 11                | 4.9             | 12                 | 12.7             | 16                | 47.7            | 12                 | 19.6             | 9                 | 4.9             | 7                  | 3.5              | 10                | 2.0             | 10                 | 3.5              |
| 50          | 67834       | 327          | -64        | .          | 11                | 4.0             | 13                 | 13.9             | 19                | 59.5            | 15                 | 13.9             | 8                 | 2.6             | 8                  | 1.5              | 11                | 1.5             | 13                 | 2.3              |
| 30          | 78282       | 38           | -54        | .          | 15                | 3.1             | 18                 | 14.0             | 26                | 68.6            | 19                 | 10.5             | 13                | 1.3             | 3                  | 0.3              | 9                 | 0.5             | 22                 | 1.3              |
| 20          | 87030       | 149          | -49        | .          | 9                 | 1.5             | 11                 | 6.0              | 14                | 32.5            | 11                 | 8.3              | 7                 | 0.2             | 7                  | 0.1              | 2                 | 0.1             | 8                  | 0.6              |
| 10          | 102225      | 340          | -40        | .          | 18                | 3.1             | 22                 | 12.2             | 29                | 65.0            | 22                 | 16.7             | 15                | 0.6             | 14                 | 0.3              | 4                 | 0.3             | 16                 | 1.3              |

MAY Latitude=12.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 25         | 6                 | 3.8             | 8                  | 32.5             | 8                 | 32.9            | 7                  | 13.5             | 5                 | 8.3             | 8                  | 2.9              | 5                 | 1.9             | 4                  | 2.5              |
| 1000        | 211         | -153         | 30         | 26         | 6                 | 1.9             | 10                 | 17.7             | 10                | 33.2            | 9                  | 28.0             | 7                 | 11.4            | 6                  | 3.8              | 6                 | 1.2             | 6                  | 1.4              |
| 850         | 4906        | 126          | 23         | 12         | 3                 | 0.6             | 8                  | 4.3              | 11                | 41.7            | 9                  | 30.1             | 6                 | 12.0            | 7                  | 7.5              | 5                 | 1.9             | 5                  | 0.8              |
| 700         | 10360       | 478          | 12         | -1         | 8                 | 6.7             | 14                 | 46.7             | 14                | 39.0            | 10                 | 3.0              | 7                 | 0.3             | 2                  | 0.4              | 4                 | 1.2             | 6                  | 2.2              |
| 500         | 19310       | 1021         | -5         | -20        | 8                 | 7.2             | 14                 | 31.7             | 15                | 45.6            | 11                 | 7.4              | 11                | 2.7             | 7                  | 1.7              | 6                 | 0.9             | 6                  | 1.9              |
| 400         | 24945       | 1371         | -16        | -31        | 10                | 8.8             | 12                 | 15.3             | 16                | 32.0            | 13                 | 18.3             | 13                | 8.0             | 10                 | 7.0              | 8                 | 2.0             | 10                 | 7.2              |
| 300         | 31862       | 1797         | -31        | -45        | 13                | 10.1            | 12                 | 11.2             | 16                | 17.4            | 12                 | 16.2             | 13                | 11.9            | 16                 | 12.2             | 13                | 9.5             | 14                 | 10.4             |
| 250         | 36014       | 2015         | -41        | .          | 12                | 7.9             | 13                 | 9.0              | 17                | 15.1            | 14                 | 12.2             | 14                | 11.7            | 18                 | 18.2             | 17                | 12.7            | 17                 | 12.4             |
| 200         | 40880       | 2218         | -53        | .          | 13                | 5.3             | 12                 | 5.8              | 15                | 15.1            | 15                 | 14.0             | 15                | 12.4            | 19                 | 18.8             | 19                | 16.6            | 17                 | 11.6             |
| 150         | 46796       | 2149         | -67        | .          | 14                | 6.1             | 16                 | 9.5              | 16                | 16.7            | 16                 | 17.4             | 14                | 9.1             | 16                 | 16.9             | 18                | 12.9            | 17                 | 10.8             |
| 100         | 54577       | 1494         | -77        | .          | 11                | 4.1             | 15                 | 10.1             | 17                | 26.9            | 17                 | 22.9             | 10                | 8.3             | 11                 | 10.1             | 13                | 5.8             | 13                 | 5.4              |
| 70          | 61311       | 807          | -74        | .          | 10                | 2.7             | 15                 | 15.6             | 17                | 52.0            | 12                 | 21.7             | 11                | 4.8             | 8                  | 3.5              | 9                 | 1.7             | 7                  | 2.4              |
| 50          | 67825       | 318          | -64        | .          | 10                | 2.5             | 15                 | 10.5             | 21                | 63.4            | 15                 | 15.6             | 9                 | 4.3             | 8                  | 1.0              | 8                 | 1.3             | 9                  | 1.1              |
| 30          | 78267       | 23           | -54        | .          | 15                | 1.6             | 18                 | 12.7             | 27                | 73.6            | 16                 | 9.5              | 11                | 1.0             | 5                  | 0.3              | 6                 | 0.1             | 16                 | 0.6              |
| 20          | 87015       | 134          | -49        | .          | 10                | 1.8             | 11                 | 6.2              | 15                | 32.2            | 11                 | 8.8              | 5                 | 0.2             | 0                  | 0.0              | 3                 | 0.1             | 0                  | 0.0              |
| 10          | 102212      | 327          | -40        | .          | 21                | 3.8             | 23                 | 12.5             | 31                | 64.6            | 22                 | 17.8             | 11                | 0.6             | 0                  | 0.0              | 7                 | 0.3             | 0                  | 0.0              |

MAY Latitude=12.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 26         | 6                 | 6.4             | 8                  | 35.8             | 7                 | 26.4            | 4                  | 9.3              | 3                 | 4.1             | 8                  | 9.0              | 5                 | 3.2             | 3                  | 3.8              |
| 1000        | 192         | -172         | 30         | 26         | 5                 | 4.6             | 10                 | 30.1             | 9                 | 26.6            | 5                  | 8.3              | 5                 | 5.6             | 8                  | 12.5             | 8                 | 7.0             | 5                  | 4.5              |
| 850         | 4911        | 131          | 23         | 12         | 4                 | 3.5             | 10                 | 13.2             | 10                | 34.3            | 7                  | 19.6             | 5                 | 10.4            | 6                  | 10.4             | 7                 | 4.6             | 4                  | 1.7              |
| 700         | 10355       | 473          | 12         | -2         | 12                | 8.8             | 16                 | 42.2             | 14                | 35.9            | 8                  | 5.6              | 5                 | 0.8             | 4                  | 0.8              | 6                 | 2.4             | 5                  | 2.7              |
| 500         | 19301       | 1012         | -5         | -22        | 12                | 5.8             | 15                 | 34.5             | 16                | 45.1            | 10                 | 7.9              | 5                 | 1.7             | 6                  | 1.9              | 7                 | 0.8             | 8                  | 1.9              |
| 400         | 24942       | 1368         | -16        | -32        | 12                | 8.3             | 15                 | 18.8             | 17                | 39.1            | 15                 | 13.0             | 11                | 6.6             | 10                 | 4.1              | 11                | 3.2             | 10                 | 5.8              |
| 300         | 31866       | 1801         | -31        | -46        | 12                | 10.9            | 15                 | 12.4             | 16                | 24.5            | 13                 | 11.7             | 13                | 10.8            | 15                 | 8.8              | 16                | 8.0             | 15                 | 12.0             |
| 250         | 36014       | 2015         | -41        | .          | 13                | 8.7             | 16                 | 11.6             | 18                | 16.6            | 13                 | 12.4             | 16                | 10.3            | 17                 | 13.3             | 19                | 12.0            | 17                 | 14.5             |
| 200         | 40880       | 2218         | -53        | .          | 14                | 6.1             | 15                 | 6.7              | 17                | 17.0            | 15                 | 16.1             | 16                | 10.9            | 18                 | 15.4             | 22                | 15.1            | 17                 | 12.0             |
| 150         | 46796       | 2149         | -67        | .          | 15                | 6.2             | 14                 | 8.5              | 18                | 16.6            | 18                 | 19.1             | 14                | 9.3             | 16                 | 16.2             | 19                | 13.3            | 17                 | 9.6              |
| 100         | 54580       | 1497         | -76        | .          | 12                | 4.0             | 14                 | 14.0             | 18                | 30.1            | 18                 | 21.7             | 10                | 8.5             | 11                 | 9.0              | 13                | 7.0             | 13                 | 4.3              |
| 70          | 61315       | 811          | -74        | .          | 11                | 2.7             | 16                 | 10.6             | 18                | 50.4            | 14                 | 22.9             | 13                | 5.9             | 7                  | 3.0              | 8                 | 1.9             | 6                  | 1.9              |
| 50          | 67824       | 317          | -64        | .          | 9                 | 1.8             | 16                 | 11.7             | 22                | 63.4            | 15                 | 18.4             | 8                 | 1.8             | 8                  | 1.3              | 10                | 0.3             | 9                  | 0.8              |
| 30          | 78257       | 13           | -54        | .          | 14                | 1.3             | 21                 | 14.9             | 28                | 74.3            | 17                 | 8.2              | 10                | 0.5             | 0                  | 0.0              | 1                 | 0.1             | 25                 | 0.1              |
| 20          | 87001       | 120          | -49        | .          | 12                | 1.3             | 11                 | 5.7              | 15                | 33.3            | 11                 | 8.8              | 5                 | 0.1             | 4                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102202      | 317          | -40        | .          | 24                | 2.7             | 23                 | 11.5             | 31                | 66.7            | 22                 | 17.8             | 10                | 0.3             | 9                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |

MAY Latitude=12.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 26         | 5                 | 10.6            | 6                  | 17.4             | 7                 | 22.2            | 7                  | 20.6             | 6                 | 12.9            | 4                  | 5.8              | 7                 | 3.8             | 4                  | 6.1              |
| 1000        | 199         | -165         | 30         | 25         | 7                 | 7.5             | 8                  | 14.3             | 8                 | 22.0            | 8                  | 24.0             | 7                 | 14.6            | 9                  | 7.7              | 9                 | 5.4             | 8                  | 3.2              |
| 850         | 4914        | 134          | 22         | 12         | 4                 | 2.5             | 6                  | 6.2              | 9                 | 17.9            | 8                  | 26.7             | 7                 | 19.1            | 8                  | 15.8             | 8                 | 5.9             | 6                  | 4.6              |
| 700         | 10347       | 465          | 11         | -2         | 11                | 12.4            | 14                 | 33.5             | 13                | 33.3            | 9                  | 7.0              | 6                 | 2.7             | 8                  | 2.7              | 6                 | 4.3             | 6                  | 2.7              |
| 500         | 19293       | 1004         | -4         | -21        | 13                | 8.0             | 15                 | 34.3             | 17                | 46.6            | 10                 | 6.2              | 6                 | 0.6             | 6                  | 1.1              | 4                 | 0.4             | 6                  | 2.4              |
| 400         | 24938       | 1364         | -16        | -32        | 14                | 10.9            | 14                 | 23.7             | 18                | 41.1            | 14                 | 10.4             | 11                | 3.2             | 9                  | 1.2              | 9                 | 4.3             | 11                 | 4.3              |
| 300         | 31865       | 1800         | -31        | -46        | 14                | 10.6            | 17                 | 16.7             | 17                | 27.0            | 13                 | 11.1             | 11                | 8.3             | 13                 | 6.9              | 17                | 8.0             | 16                 | 10.8             |
| 250         | 36016       | 2017         | -41        | .          | 15                | 7.5             | 17                 | 15.4             | 17                | 18.5            | 13                 | 12.5             | 15                | 9.3             | 16                 | 10.4             | 20                | 10.8            | 17                 | 13.8             |
| 200         | 40885       | 2223         | -53        | .          | 14                | 6.4             | 15                 | 8.3              | 17                | 18.5            | 17                 | 14.3             | 17                | 10.8            | 17                 | 14.5             | 22                | 15.1            | 17                 | 11.6             |
| 150         | 46803       | 2156         | -67        | .          | 14                | 5.6             | 13                 | 7.4              | 20                | 17.2            | 18                 | 21.6             | 16                | 10.9            | 16                 | 13.2             | 20                | 14.1            | 16                 | 9.1              |
| 100         | 54587       | 1504         | -76        | .          | 12                | 4.8             | 14                 | 10.1             | 19                | 32.0            | 18                 | 25.4             | 13                | 7.4             | 11                 | 6.6              | 12                | 8.0             | 12                 | 4.6              |
| 70          | 61321       | 817          | -74        | .          | 10                | 3.3             | 15                 | 10.9             | 20                | 50.3            | 16                 | 22.4             | 12                | 5.4             | 8                  | 2.0              | 9                 | 3.2             | 9                  | 1.4              |
| 50          | 67830       | 323          | -64        | .          | 11                | 2.6             | 18                 | 11.9             | 24                | 61.2            | 16                 | 18.9             | 9                 | 3.0             | 13                 | 0.5              | 6                 | 0.5             | 7                  | 0.8              |
| 30          | 78264       | 20           | -54        | .          | 14                | 0.8             | 20                 | 10.0             | 30                | 74.6            | 19                 | 12.5             | 11                | 1.1             | 0                  | 0.0              | 8                 | 0.1             | 6                  | 0.5              |
| 20          | 87008       | 127          | -49        | .          | 13                | 0.5             | 10                 | 5.3              | 15                | 36.1            | 12                 | 6.9              | 5                 | 0.5             | 4                  | 0.1              | 2                 | 0.1             | 0                  | 0.0              |
| 10          | 102207      | 322          | -40        | .          | 26                | 1.0             | 20                 | 10.8             | 29                | 72.3            | 25                 | 13.9             | 10                | 1.0             | 9                  | 0.3              | 5                 | 0.3             | 0                  | 0.0              |

MAY Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 26         | 0                 | 0.0             | 8                  | 1.2              | 6                 | 3.2             | 8                  | 18.3             | 10                | 62.9            | 11                 | 12.5             | 3                 | 1.2             | 2                  | 0.3              |
| 1000        | 223         | -141         | 29         | 25         | 1                 | 0.1             | 8                  | 1.2              | 8                 | 5.1             | 9                  | 20.3             | 12                | 56.1            | 13                 | 15.6             | 4                 | 0.8             | 3                  | 0.4              |
| 850         | 4919        | 139          | 22         | 12         | 4                 | 2.5             | 5                  | 3.7              | 10                | 10.1            | 9                  | 19.3             | 10                | 22.9            | 10                 | 27.5             | 8                 | 9.5             | 6                  | 2.9              |
| 700         | 10338       | 456          | 11         | -1         | 10                | 14.8            | 13                 | 29.0             | 13                | 29.3            | 9                  | 8.8              | 7                 | 5.6             | 9                  | 4.1              | 7                 | 2.7             | 8                  | 4.1              |
| 500         | 19288       | 999          | -4         | -20        | 13                | 7.9             | 16                 | 36.7             | 17                | 42.2            | 8                  | 6.4              | 7                 | 1.7             | 5                  | 0.8              | 4                 | 0.8             | 8                  | 2.4              |
| 400         | 24933       | 1359         | -16        | -31        | 14                | 10.9            | 15                 | 26.4             | 18                | 41.9            | 14                 | 8.8              | 9                 | 2.5             | 8                  | 1.4              | 9                 | 3.3             | 12                 | 4.3              |
| 300         | 31858       | 1793         | -31        | -45        | 14                | 10.1            | 17                 | 17.2             | 17                | 32.2            | 12                 | 9.9              | 12                | 7.4             | 14                 | 4.5              | 14                | 9.3             | 18                 | 8.7              |
| 250         | 36011       | 2012         | -41        | .          | 15                | 8.3             | 18                 | 14.3             | 17                | 23.7            | 14                 | 13.0             | 14                | 9.6             | 15                 | 10.1             | 23                | 8.7             | 18                 | 11.4             |
| 200         | 40883       | 2221         | -53        | .          | 16                | 6.2             | 15                 | 8.8              | 18                | 20.1            | 16                 | 18.0             | 17                | 9.5             | 16                 | 12.0             | 23                | 14.9            | 18                 | 9.9              |
| 150         | 46800       | 2153         | -67        | .          | 12                | 6.7             | 14                 | 6.9              | 21                | 21.7            | 18                 | 21.2             | 15                | 10.8            | 17                 | 8.8              | 21                | 14.6            | 17                 | 8.7              |
| 100         | 54584       | 1501         | -76        | .          | 11                | 5.9             | 12                 | 9.1              | 21                | 35.3            | 19                 | 24.5             | 14                | 5.9             | 12                 | 5.3              | 14                | 7.9             | 11                 | 5.3              |
| 70          | 61319       | 815          | -74        | .          | 11                | 2.2             | 16                 | 10.6             | 21                | 51.6            | 17                 | 22.4             | 10                | 4.1             | 10                 | 2.0              | 10                | 4.0             | 9                  | 2.5              |
| 50          | 67827       | 320          | -64        | .          | 9                 | 3.8             | 18                 | 11.0             | 24                | 64.0            | 17                 | 14.9             | 8                 | 2.6             | 9                  | 1.1              | 2                 | 0.1             | 6                  | 1.5              |
| 30          | 78256       | 12           | -54        | .          | 10                | 2.0             | 20                 | 11.2             | 30                | 75.1            | 19                 | 9.2              | 9                 | 1.6             | 4                  | 0.1              | 0                 | 0.0             | 3                  | 0.3              |
| 20          | 87000       | 119          | -49        | .          | 5                 | 1.1             | 9                  | 5.3              | 15                | 33.3            | 12                 | 8.5              | 4                 | 0.6             | 2                  | 0.2              | 1                 | 0.1             | 3                  | 0.1              |
| 10          | 102196      | 311          | -40        | .          | 11                | 2.4             | 17                 | 10.8             | 30                | 66.7            | 24                 | 17.1             | 9                 | 1.3             | 4                  | 0.6              | 3                 | 0.3             | 6                  | 0.3              |

JUN Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 1.3              | 9                 | 71.4            | 7                  | 26.8             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 324         | -40          | 30         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 11                 | 0.6              | 13                | 67.1            | 13                 | 31.9             | 11                | 0.1             | 0                  | 0.0              |
| 850         | 4924        | 144          | 22         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 11                 | 0.3              | 16                | 56.6            | 17                 | 42.6             | 15                | 0.1             | 1                  | 0.1              |
| 700         | 10351       | 469          | 11         | 5          | 7                 | 9.3             | 5                  | 3.1              | 4                 | 1.6             | 2                  | 0.8              | 5                 | 2.9             | 10                 | 19.1             | 10                | 34.3            | 9                  | 27.6             |
| 500         | 19277       | 988          | -6         | -17        | 10                | 13.8            | 14                 | 47.3             | 13                | 23.9            | 6                  | 4.6              | 4                 | 1.4             | 6                  | 1.6              | 7                 | 2.3             | 7                  | 4.3              |
| 400         | 24911       | 1337         | -16        | -28        | 10                | 7.9             | 12                 | 25.4             | 14                | 38.8            | 10                 | 10.9             | 9                 | 3.6             | 6                  | 3.1              | 7                 | 3.1             | 9                  | 6.3              |
| 300         | 31815       | 1750         | -31        | -44        | 10                | 6.1             | 14                 | 18.9             | 18                | 47.8            | 16                 | 16.3             | 11                | 2.9             | 7                  | 1.4              | 7                 | 1.9             | 9                  | 3.5              |
| 250         | 35977       | 1978         | -41        | .          | 11                | 4.8             | 17                 | 19.3             | 24                | 53.1            | 19                 | 15.8             | 12                | 2.6             | 6                  | 0.9              | 7                 | 0.9             | 14                 | 1.9              |
| 200         | 40842       | 2180         | -53        | .          | 17                | 3.4             | 20                 | 12.6             | 31                | 66.4            | 25                 | 13.3             | 13                | 1.8             | 7                  | 0.3              | 10                | 0.3             | 21                 | 1.1              |
| 150         | 46750       | 2103         | -67        | .          | 17                | 1.4             | 23                 | 11.6             | 43                | 73.3            | 30                 | 10.4             | 10                | 0.9             | 8                  | 0.3              | 7                 | 0.3             | 12                 | 1.3              |
| 100         | 54555       | 1472         | -75        | .          | 8                 | 0.6             | 26                 | 8.6              | 37                | 80.3            | 26                 | 8.8              | 10                | 0.9             | 10                 | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61359       | 855          | -71        | .          | 7                 | 1.3             | 20                 | 11.1             | 33                | 77.9            | 20                 | 7.6              | 14                | 0.9             | 27                 | 0.1              | 5                 | 0.4             | 16                 | 0.1              |
| 50          | 67948       | 441          | -63        | .          | 12                | 1.1             | 21                 | 14.3             | 36                | 77.4            | 21                 | 5.9              | 11                | 0.1             | 6                  | 0.1              | 1                 | 0.1             | 9                  | 0.4              |
| 30          | 78441       | 197          | -54        | .          | 18                | 1.9             | 27                 | 11.9             | 40                | 79.9            | 28                 | 5.4              | 8                 | 0.1             | 12                 | 0.1              | 3                 | 0.1             | 0                  | 0.0              |
| 20          | 87180       | 299          | -49        | .          | 9                 | 2.2             | 10                 | 5.9              | 18                | 38.1            | 9                  | 1.9              | 2                 | 0.1             | 0                  | 0.0              | 5                 | 0.7             | 4                  | 0.4              |
| 10          | 102244      | 359          | -40        | .          | 19                | 4.6             | 20                 | 11.9             | 37                | 76.3            | 18                 | 3.9              | 5                 | 0.3             | 0                  | 0.0              | 10                | 1.6             | 8                  | 0.9              |

JUN Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 15  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 14    | 3.3  | 15    | 96.6 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 310    | -54  | 29  | 20  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 17    | 12.8 | 19    | 86.9 | 13    | 0.1  | 0     | 0.0  |
| 850  | 4928   | 148  | 21  | 14  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 24    | 3.8  | 25    | 95.6 | 18    | 0.4  | 0     | 0.0  |
| 700  | 10340  | 458  | 11  | 5   | 9     | 3.4  | 4     | 0.6  | 2     | 0.4  | 0     | 0.0  | 7     | 0.6  | 13    | 14.1 | 14    | 58.3 | 11    | 22.1 |
| 500  | 19274  | 985  | -5  | -17 | 10    | 17.6 | 14    | 44.1 | 13    | 12.9 | 6     | 3.4  | 7     | 1.9  | 9     | 4.6  | 7     | 6.1  | 8     | 8.8  |
| 400  | 24902  | 1328 | -16 | -27 | 9     | 9.4  | 13    | 29.8 | 13    | 28.8 | 10    | 9.6  | 7     | 5.1  | 9     | 4.6  | 10    | 3.4  | 8     | 8.1  |
| 300  | 31815  | 1750 | -31 | -43 | 10    | 6.3  | 13    | 21.6 | 18    | 47.6 | 14    | 12.1 | 10    | 4.3  | 8     | 2.1  | 8     | 2.1  | 7     | 3.4  |
| 250  | 35973  | 1974 | -41 | .   | 12    | 5.4  | 17    | 17.6 | 24    | 54.1 | 19    | 16.1 | 10    | 2.1  | 8     | 0.9  | 11    | 0.8  | 11    | 2.3  |
| 200  | 40838  | 2176 | -53 | .   | 16    | 2.4  | 20    | 12.1 | 32    | 70.9 | 24    | 10.4 | 12    | 2.3  | 10    | 0.3  | 11    | 0.6  | 19    | 0.3  |
| 150  | 46747  | 2100 | -67 | .   | 17    | 0.6  | 23    | 11.3 | 45    | 75.9 | 25    | 8.8  | 10    | 1.3  | 10    | 0.6  | 7     | 1.1  | 0     | 0.0  |
| 100  | 54552  | 1469 | -75 | .   | 10    | 0.4  | 25    | 9.6  | 39    | 80.8 | 28    | 7.6  | 10    | 0.9  | 4     | 0.1  | 0     | 0.0  | 2     | 0.1  |
| 70   | 61360  | 856  | -71 | .   | 7     | 0.4  | 19    | 12.1 | 32    | 79.6 | 21    | 5.1  | 16    | 1.3  | 3     | 0.1  | 17    | 0.3  | 11    | 0.6  |
| 50   | 67948  | 441  | -64 | .   | 7     | 1.1  | 21    | 14.1 | 36    | 78.8 | 19    | 4.8  | 5     | 0.4  | 0     | 0.0  | 0     | 0.0  | 9     | 0.3  |
| 30   | 78441  | 197  | -54 | .   | 14    | 0.4  | 26    | 14.9 | 41    | 80.3 | 21    | 3.4  | 8     | 0.3  | 3     | 0.1  | 0     | 0.0  | 6     | 0.1  |
| 20   | 87181  | 300  | -49 | .   | 10    | 1.1  | 11    | 5.6  | 19    | 38.7 | 9     | 3.1  | 0     | 0.0  | 0     | 0.0  | 4     | 0.4  | 3     | 0.6  |
| 10   | 102252 | 367  | -40 | .   | 21    | 2.3  | 23    | 11.3 | 38    | 77.6 | 17    | 6.3  | 0     | 0.0  | 0     | 0.0  | 9     | 0.9  | 6     | 1.3  |

JUN Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 16  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 12    | 6.7 | 15    | 93.2 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 283    | -81  | 29  | 19  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 17    | 6.8 | 20    | 92.8 | 19    | 0.3  | 0     | 0.0  |
| 850  | 4925   | 145  | 20  | 13  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0 | 28    | 95.3 | 26    | 4.6  | 0     | 0.0  |
| 700  | 10336  | 454  | 10  | 5   | 9     | 1.8  | 4     | 0.1  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0 | 16    | 7.6  | 18    | 68.1 | 14    | 21.9 |
| 500  | 19261  | 972  | -5  | -16 | 10    | 19.4 | 14    | 34.9 | 10    | 10.3 | 7     | 1.3  | 8     | 2.8 | 10    | 4.8  | 10    | 10.9 | 9     | 13.8 |
| 400  | 24896  | 1322 | -16 | -28 | 10    | 12.9 | 12    | 27.6 | 13    | 22.3 | 9     | 7.4  | 6     | 4.6 | 10    | 6.1  | 10    | 8.8  | 8     | 8.9  |
| 300  | 31814  | 1749 | -31 | -43 | 9     | 6.8  | 14    | 24.1 | 17    | 44.8 | 12    | 10.9 | 9     | 3.9 | 9     | 2.8  | 9     | 2.3  | 7     | 3.8  |
| 250  | 35971  | 1972 | -41 | .   | 12    | 5.1  | 19    | 17.4 | 23    | 56.4 | 17    | 13.1 | 10    | 2.3 | 7     | 1.9  | 8     | 1.6  | 11    | 1.3  |
| 200  | 40836  | 2174 | -53 | .   | 14    | 1.1  | 19    | 11.3 | 33    | 71.9 | 22    | 10.9 | 11    | 1.6 | 9     | 0.8  | 6     | 0.6  | 9     | 1.1  |
| 150  | 46747  | 2100 | -67 | .   | 13    | 1.1  | 22    | 7.8  | 45    | 81.1 | 24    | 7.1  | 14    | 1.3 | 10    | 0.6  | 7     | 0.3  | 9     | 0.3  |
| 100  | 54552  | 1469 | -75 | .   | 6     | 0.3  | 23    | 8.4  | 42    | 81.6 | 25    | 8.1  | 9     | 0.6 | 6     | 0.4  | 0     | 0.0  | 0     | 0.0  |
| 70   | 61362  | 858  | -71 | .   | 9     | 1.3  | 21    | 12.1 | 33    | 77.9 | 21    | 5.8  | 11    | 1.1 | 11    | 0.4  | 13    | 0.3  | 19    | 0.4  |
| 50   | 67948  | 441  | -64 | .   | 11    | 1.8  | 23    | 16.3 | 37    | 75.6 | 20    | 5.1  | 6     | 0.3 | 0     | 0.0  | 3     | 0.1  | 9     | 0.4  |
| 30   | 78443  | 199  | -54 | .   | 11    | 0.8  | 28    | 14.4 | 41    | 79.6 | 22    | 4.6  | 7     | 0.1 | 0     | 0.0  | 0     | 0.0  | 5     | 0.1  |
| 20   | 87179  | 298  | -49 | .   | 9     | 0.9  | 10    | 5.2  | 19    | 38.4 | 10    | 3.6  | 6     | 0.6 | 0     | 0.0  | 3     | 0.4  | 3     | 0.2  |
| 10   | 102260 | 375  | -40 | .   | 17    | 1.9  | 20    | 10.6 | 39    | 76.9 | 19    | 7.3  | 12    | 1.3 | 0     | 0.0  | 5     | 0.9  | 7     | 0.6  |

JUN Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 16.4            | 25                 | 83.5             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 255         | -109         | 28         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 26                | 9.4             | 26                 | 90.4             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4910        | 130          | 20         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 34                 | 85.4             | 29                | 14.4            | 0                  | 0.0              |
| 700         | 10324       | 442          | 10         | 4          | 12                | 1.9             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 22                 | 2.6              | 19                | 71.3            | 16                 | 23.9             |
| 500         | 19250       | 961          | -5         | -16        | 10                | 23.9            | 14                 | 22.6             | 10                | 7.8             | 4                  | 0.8              | 6                 | 1.4             | 10                 | 5.3              | 13                | 20.9            | 9                  | 15.6             |
| 400         | 24891       | 1317         | -16        | -29        | 10                | 12.8            | 12                 | 20.9             | 12                | 20.4            | 9                  | 6.4              | 7                 | 4.4             | 11                 | 7.9              | 12                | 12.6            | 9                  | 13.6             |
| 300         | 31818       | 1753         | -31        | -43        | 8                 | 6.3             | 13                 | 21.9             | 16                | 43.8            | 12                 | 12.1             | 8                 | 3.4             | 9                  | 4.1              | 9                 | 2.9             | 8                  | 4.1              |
| 250         | 35970       | 1971         | -41        | .          | 9                 | 4.9             | 17                 | 17.4             | 23                | 54.3            | 18                 | 13.9             | 11                | 3.4             | 8                  | 1.4              | 11                | 0.9             | 9                  | 2.9              |
| 200         | 40837       | 2175         | -53        | .          | 10                | 2.1             | 20                 | 8.1              | 34                | 73.6            | 21                 | 10.9             | 8                 | 1.1             | 9                  | 1.4              | 10                | 0.8             | 11                 | 1.1              |
| 150         | 46749       | 2102         | -67        | .          | 9                 | 0.9             | 20                 | 6.4              | 47                | 80.9            | 27                 | 8.1              | 12                | 1.9             | 12                 | 0.8              | 5                 | 0.3             | 0                  | 0.0              |
| 100         | 54554       | 1471         | -75        | .          | 5                 | 0.4             | 21                 | 5.6              | 44                | 84.3            | 28                 | 7.9              | 8                 | 0.3             | 7                  | 0.4              | 5                 | 0.6             | 0                  | 0.0              |
| 70          | 61366       | 862          | -71        | .          | 11                | 1.6             | 20                 | 10.2             | 33                | 77.7            | 23                 | 7.2              | 7                 | 0.5             | 6                  | 0.5              | 7                 | 0.5             | 13                 | 1.5              |
| 50          | 67947       | 440          | -64        | .          | 11                | 2.4             | 23                 | 13.6             | 36                | 76.8            | 19                 | 5.3              | 15                | 0.3             | 7                  | 0.3              | 6                 | 0.1             | 10                 | 0.8              |
| 30          | 78439       | 195          | -54        | .          | 17                | 0.6             | 28                 | 10.9             | 42                | 77.3            | 24                 | 9.9              | 9                 | 0.6             | 4                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87175       | 294          | -49        | .          | 7                 | 0.9             | 11                 | 3.9              | 20                | 37.2            | 9                  | 4.7              | 10                | 1.4             | 2                  | 0.2              | 2                 | 0.2             | 2                  | 0.4              |
| 10          | 102259      | 374          | -40        | .          | 13                | 1.9             | 22                 | 7.9              | 39                | 74.6            | 18                 | 9.6              | 21                | 2.9             | 4                  | 0.6              | 4                 | 0.6             | 4                  | 0.9              |

JUN Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 25         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 24                | 2.3             | 27                 | 97.6             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 259         | -105         | 26         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 23                | 2.6             | 30                 | 97.3             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4909        | 129          | 20         | 9          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 16                | 0.1             | 36                 | 84.4             | 31                | 15.1            | 7                  | 0.1              |
| 700         | 10313       | 431          | 10         | 4          | 10                | 1.6             | 10                 | 0.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 24                 | 2.8              | 21                | 77.4            | 16                 | 17.8             |
| 500         | 19240       | 951          | -5         | -16        | 9                 | 19.9            | 12                 | 19.3             | 10                | 4.1             | 6                  | 1.8              | 5                 | 1.1             | 10                 | 7.3              | 14                | 27.1            | 10                 | 18.4             |
| 400         | 24886       | 1312         | -16        | -29        | 9                 | 11.4            | 10                 | 18.8             | 10                | 17.3            | 8                  | 5.8              | 7                 | 3.3             | 12                 | 10.6             | 13                | 18.6            | 9                  | 13.1             |
| 300         | 31820       | 1755         | -31        | -43        | 8                 | 6.6             | 13                 | 16.8             | 16                | 39.8            | 12                 | 15.1             | 9                 | 6.1             | 9                  | 4.8              | 9                 | 5.9             | 7                  | 4.3              |
| 250         | 35971       | 1972         | -41        | .          | 8                 | 3.6             | 15                 | 14.4             | 24                | 53.6            | 18                 | 17.3             | 10                | 3.1             | 9                  | 1.6              | 7                 | 2.3             | 9                  | 2.8              |
| 200         | 40835       | 2173         | -53        | .          | 9                 | 0.4             | 22                 | 7.4              | 35                | 74.4            | 22                 | 10.9             | 11                | 1.8             | 9                  | 1.4              | 9                 | 1.3             | 12                 | 1.6              |
| 150         | 46747       | 2100         | -67        | .          | 10                | 0.3             | 20                 | 3.8              | 48                | 86.1            | 25                 | 7.3              | 12                | 1.1             | 11                 | 0.4              | 12                | 0.3             | 5                  | 0.3              |
| 100         | 54552       | 1469         | -75        | .          | 8                 | 0.3             | 19                 | 3.8              | 46                | 85.6            | 32                 | 7.9              | 4                 | 0.1             | 3                  | 0.3              | 8                 | 0.8             | 7                  | 0.8              |
| 70          | 61364       | 860          | -71        | .          | 12                | 1.5             | 21                 | 8.9              | 34                | 76.2            | 24                 | 7.9              | 7                 | 1.3             | 15                 | 0.3              | 9                 | 1.0             | 13                 | 2.3              |
| 50          | 67944       | 437          | -64        | .          | 13                | 1.9             | 22                 | 11.4             | 35                | 76.4            | 19                 | 5.8              | 12                | 1.9             | 18                 | 0.3              | 9                 | 0.3             | 11                 | 1.3              |
| 30          | 78430       | 186          | -54        | .          | 15                | 0.9             | 28                 | 9.1              | 41                | 78.8            | 23                 | 8.1              | 16                | 2.8             | 17                 | 0.1              | 0                 | 0.0             | 8                  | 0.3              |
| 20          | 87166       | 285          | -49        | .          | 4                 | 0.3             | 10                 | 2.7              | 20                | 36.2            | 10                 | 5.4              | 10                | 1.9             | 8                  | 1.2              | 2                 | 0.1             | 2                  | 0.2              |
| 10          | 102252      | 367          | -40        | .          | 8                 | 1.9             | 19                 | 5.6              | 40                | 72.6            | 21                 | 10.9             | 21                | 3.9             | 16                 | 2.6              | 4                 | 0.3             | 4                  | 0.6              |

JUN Latitude=10.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 15  | 4     | 8.3  | 3     | 5.0  | 3     | 1.0  | 3     | 2.0  | 6     | 29.5 | 5     | 32.8 | 3     | 8.7  | 3     | 9.7  |
| 1000 | 245    | -119 | 33  | 24  | 6     | 4.4  | 5     | 3.1  | 4     | 3.3  | 5     | 6.8  | 9     | 30.4 | 8     | 32.4 | 6     | 12.5 | 5     | 5.3  |
| 850  | 4872   | 92   | 26  | 16  | 6     | 4.3  | 5     | 2.8  | 5     | 2.8  | 5     | 6.4  | 10    | 30.4 | 9     | 33.9 | 6     | 13.1 | 5     | 5.1  |
| 700  | 10353  | 471  | 12  | 7   | 8     | 30.8 | 8     | 21.4 | 6     | 6.4  | 3     | 1.3  | 5     | 1.8  | 7     | 5.1  | 6     | 7.4  | 9     | 24.3 |
| 500  | 19286  | 997  | -6  | -16 | 11    | 10.1 | 16    | 56.6 | 17    | 30.1 | 8     | 1.1  | 2     | 0.1  | 6     | 0.3  | 6     | 0.3  | 7     | 0.9  |
| 400  | 24923  | 1349 | -16 | -26 | 8     | 7.3  | 14    | 32.3 | 15    | 45.8 | 10    | 9.1  | 6     | 1.1  | 8     | 0.9  | 10    | 1.1  | 7     | 1.6  |
| 300  | 31830  | 1765 | -30 | -41 | 10    | 3.6  | 15    | 22.3 | 20    | 56.3 | 16    | 10.9 | 10    | 2.1  | 10    | 1.1  | 9     | 1.3  | 10    | 1.8  |
| 250  | 36002  | 2003 | -41 | .   | 12    | 2.9  | 18    | 15.1 | 25    | 61.9 | 19    | 12.8 | 13    | 2.1  | 8     | 2.1  | 10    | 0.8  | 14    | 1.8  |
| 200  | 40879  | 2217 | -53 | .   | 18    | 1.6  | 20    | 11.3 | 32    | 69.4 | 24    | 12.1 | 14    | 2.6  | 13    | 0.8  | 5     | 0.4  | 17    | 1.1  |
| 150  | 46800  | 2153 | -66 | .   | 17    | 1.3  | 25    | 8.1  | 43    | 74.6 | 28    | 12.9 | 14    | 1.3  | 12    | 0.3  | 8     | 0.3  | 14    | 0.8  |
| 100  | 54596  | 1513 | -76 | .   | 9     | 0.8  | 28    | 5.3  | 41    | 83.6 | 32    | 9.4  | 10    | 0.6  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 70   | 61396  | 892  | -71 | .   | 10    | 0.3  | 21    | 7.8  | 35    | 85.9 | 32    | 5.4  | 0     | 0.0  | 9     | 0.3  | 0     | 0.0  | 0     | 0.0  |
| 50   | 67985  | 478  | -64 | .   | 23    | 0.9  | 23    | 8.4  | 37    | 85.8 | 27    | 4.3  | 5     | 0.1  | 0     | 0.0  | 12    | 0.1  | 0     | 0.0  |
| 30   | 78479  | 235  | -54 | .   | 27    | 0.6  | 26    | 9.3  | 40    | 86.4 | 34    | 3.1  | 0     | 0.0  | 10    | 0.1  | 0     | 0.0  | 6     | 0.1  |
| 20   | 87222  | 341  | -49 | .   | 0     | 0.0  | 12    | 4.1  | 18    | 43.6 | 8     | 2.1  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 10   | 102298 | 413  | -40 | .   | 0     | 0.0  | 24    | 8.3  | 37    | 87.3 | 15    | 4.3  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |

JUN Latitude=10.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 15  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 12    | 28.5 | 10    | 63.4 | 6     | 5.7  | 5     | 2.3  |
| 1000 | 196    | -168 | 33  | 22  | 6     | 2.4  | 3     | 0.1  | 0     | 0.0  | 3     | 1.3  | 14    | 30.1 | 13    | 56.1 | 7     | 6.3  | 6     | 3.3  |
| 850  | 4872   | 92   | 25  | 14  | 6     | 0.6  | 0     | 0.0  | 0     | 0.0  | 5     | 0.3  | 14    | 11.8 | 17    | 77.9 | 11    | 6.9  | 5     | 2.1  |
| 700  | 10342  | 460  | 12  | 6   | 8     | 19.3 | 7     | 11.6 | 7     | 1.8  | 5     | 0.6  | 6     | 1.6  | 8     | 5.6  | 10    | 22.9 | 8     | 35.1 |
| 500  | 19279  | 990  | -6  | -17 | 13    | 14.1 | 17    | 61.4 | 14    | 18.8 | 9     | 1.1  | 5     | 0.6  | 13    | 0.1  | 9     | 0.4  | 8     | 2.6  |
| 400  | 24912  | 1338 | -16 | -26 | 9     | 11.4 | 14    | 35.4 | 16    | 37.6 | 10    | 7.3  | 6     | 1.4  | 7     | 1.6  | 8     | 2.8  | 8     | 1.9  |
| 300  | 31831  | 1766 | -31 | -41 | 10    | 4.6  | 15    | 22.9 | 20    | 55.9 | 14    | 9.1  | 8     | 1.3  | 9     | 1.4  | 8     | 2.3  | 9     | 1.8  |
| 250  | 35997  | 1998 | -41 | .   | 9     | 3.1  | 18    | 18.8 | 26    | 61.8 | 18    | 9.8  | 11    | 2.3  | 9     | 1.3  | 9     | 1.4  | 14    | 1.1  |
| 200  | 40872  | 2210 | -53 | .   | 13    | 1.8  | 21    | 10.8 | 33    | 71.1 | 23    | 11.1 | 15    | 2.8  | 8     | 0.8  | 9     | 0.9  | 17    | 0.3  |
| 150  | 46792  | 2145 | -66 | .   | 13    | 0.9  | 27    | 7.4  | 45    | 78.4 | 24    | 10.1 | 10    | 1.9  | 7     | 0.1  | 7     | 0.4  | 0     | 0.0  |
| 100  | 54594  | 1511 | -75 | .   | 9     | 0.6  | 27    | 5.8  | 43    | 83.9 | 35    | 8.6  | 11    | 0.8  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 70   | 61395  | 891  | -72 | .   | 11    | 0.6  | 22    | 8.3  | 35    | 86.4 | 18    | 3.4  | 18    | 0.1  | 0     | 0.0  | 5     | 0.3  | 4     | 0.1  |
| 50   | 67974  | 467  | -64 | .   | 16    | 0.3  | 24    | 9.9  | 38    | 85.6 | 22    | 3.4  | 10    | 0.1  | 0     | 0.0  | 0     | 0.0  | 5     | 0.3  |
| 30   | 78462  | 218  | -54 | .   | 7     | 0.3  | 28    | 10.6 | 41    | 86.1 | 23    | 2.6  | 3     | 0.1  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 20   | 87202  | 321  | -49 | .   | 0     | 0.0  | 14    | 4.6  | 18    | 42.6 | 11    | 2.6  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 10   | 102293 | 408  | -40 | .   | 0     | 0.0  | 28    | 9.3  | 37    | 85.3 | 22    | 5.3  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |

JUN Latitude=10.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW  | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|-----|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  |
| SPC  |        |      | 26  | 14  | 0     | 0.0  | 0     | 0.0  | 14    | 7.3 | 14    | 87.2 |
| 1000 | 239    | -125 | 32  | 22  | 8     | 0.6  | 0     | 0.0  | 17    | 9.6 | 17    | 81.4 |
| 850  | 4876   | 96   | 24  | 14  | 0     | 0.0  | 0     | 0.0  | 21    | 1.9 | 22    | 85.9 |
| 700  | 10330  | 448  | 11  | 7   | 10    | 10.8 | 7     | 0.1  | 3     | 0.3 | 13    | 8.9  |
| 500  | 19271  | 982  | -5  | -16 | 12    | 20.6 | 14    | 12.8 | 5     | 1.6 | 9     | 1.3  |
| 400  | 24906  | 1332 | -16 | -25 | 9     | 11.6 | 15    | 34.6 | 6     | 2.6 | 8     | 2.1  |
| 300  | 31822  | 1757 | -30 | -41 | 11    | 4.9  | 20    | 53.9 | 7     | 1.8 | 11    | 2.1  |
| 250  | 35994  | 1995 | -41 | .   | 13    | 1.8  | 25    | 63.9 | 10    | 1.4 | 10    | 0.9  |
| 200  | 40873  | 2211 | -53 | .   | 9     | 1.3  | 34    | 75.8 | 11    | 1.9 | 14    | 0.8  |
| 150  | 46795  | 2148 | -66 | .   | 12    | 0.4  | 45    | 83.6 | 12    | 1.3 | 6     | 0.6  |
| 100  | 54593  | 1510 | -76 | .   | 10    | 0.3  | 45    | 84.6 | 8     | 0.4 | 3     | 0.4  |
| 70   | 61393  | 889  | -72 | .   | 10    | 1.3  | 36    | 85.6 | 11    | 0.4 | 0     | 0.0  |
| 50   | 67972  | 465  | -64 | .   | 15    | 0.4  | 39    | 83.9 | 21    | 0.3 | 0     | 0.0  |
| 30   | 78461  | 217  | -54 | .   | 16    | 0.3  | 42    | 84.3 | 0     | 0.0 | 0     | 0.0  |
| 20   | 87201  | 320  | -49 | .   | 0     | 0.0  | 19    | 42.2 | 0     | 0.0 | 0     | 0.0  |
| 10   | 102301 | 416  | -40 | .   | 0     | 0.0  | 37    | 84.6 | 0     | 0.0 | 0     | 0.0  |

JUN Latitude=10.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SPC  |        |      | 31  | 16  | 0     | 0.0  | 0     | 0.0  | 12    | 10.0 | 15    | 89.2 |
| 1000 | 183    | -181 | 33  | 20  | 0     | 0.0  | 0     | 0.0  | 15    | 13.9 | 19    | 85.3 |
| 850  | 4870   | 90   | 23  | 14  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 27    | 74.6 |
| 700  | 10321  | 439  | 11  | 7   | 11    | 6.4  | 0     | 0.0  | 0     | 0.0  | 18    | 1.3  |
| 500  | 19256  | 967  | -5  | -16 | 10    | 22.1 | 14    | 10.4 | 5     | 0.8  | 7     | 0.9  |
| 400  | 24894  | 1320 | -16 | -27 | 9     | 12.8 | 15    | 29.3 | 6     | 3.4  | 8     | 3.3  |
| 300  | 31824  | 1759 | -30 | -41 | 9     | 3.4  | 19    | 56.1 | 7     | 1.9  | 13    | 1.9  |
| 250  | 35991  | 1992 | -40 | .   | 9     | 3.1  | 25    | 63.4 | 9     | 2.3  | 16    | 0.8  |
| 200  | 40870  | 2208 | -53 | .   | 9     | 0.9  | 34    | 76.8 | 12    | 1.6  | 17    | 0.3  |
| 150  | 46794  | 2147 | -67 | .   | 8     | 0.4  | 47    | 83.1 | 11    | 0.6  | 10    | 0.3  |
| 100  | 54592  | 1509 | -76 | .   | 6     | 0.8  | 48    | 86.6 | 3     | 0.4  | 3     | 0.1  |
| 70   | 61394  | 890  | -71 | .   | 13    | 1.8  | 37    | 83.6 | 8     | 0.1  | 4     | 0.1  |
| 50   | 67970  | 463  | -64 | .   | 17    | 0.9  | 39    | 85.3 | 9     | 0.1  | 0     | 0.0  |
| 30   | 78461  | 217  | -54 | .   | 17    | 0.3  | 42    | 84.4 | 5     | 0.1  | 0     | 0.0  |
| 20   | 87200  | 319  | -49 | .   | 0     | 0.0  | 19    | 42.2 | 4     | 0.4  | 0     | 0.0  |
| 10   | 102296 | 411  | -40 | .   | 0     | 0.0  | 38    | 84.6 | 9     | 0.9  | 0     | 0.0  |

JUN Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 25         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 26                | 34.5            | 27                 | 65.4             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 186         | -178         | 28         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 31                | 24.3            | 31                 | 75.6             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4872        | 92           | 22         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 0.1             | 31                 | 69.4             | 28                | 30.3            | 0                  | 0.0              |
| 700         | 10303       | 421          | 10         | 6          | 12                | 6.8             | 8                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 14                 | 2.3              | 18                | 43.6            | 14                 | 46.4             |
| 500         | 19239       | 950          | -5         | -17        | 10                | 21.4            | 14                 | 36.1             | 13                | 9.9             | 5                  | 0.6              | 0                 | 0.0             | 8                  | 2.6              | 12                | 15.3            | 10                 | 13.3             |
| 400         | 24889       | 1315         | -15        | -28        | 8                 | 10.8            | 13                 | 29.9             | 15                | 26.3            | 7                  | 5.3              | 7                 | 1.6             | 11                 | 1.3              | 11                | 11.8            | 8                  | 9.3              |
| 300         | 31830       | 1765         | -30        | -42        | 9                 | 2.3             | 14                 | 23.3             | 18                | 55.8            | 14                 | 9.4              | 8                 | 1.4             | 11                 | 2.8              | 8                 | 1.3             | 7                  | 2.9              |
| 250         | 35990       | 1991         | -40        | .          | 10                | 1.9             | 17                 | 16.3             | 25                | 64.8            | 20                 | 11.9             | 12                | 2.1             | 11                 | 0.9              | 13                | 1.1             | 9                  | 0.3              |
| 200         | 40867       | 2205         | -53        | .          | 19                | 0.1             | 22                 | 6.1              | 35                | 79.1            | 25                 | 10.4             | 11                | 0.6             | 12                 | 0.6              | 10                | 1.3             | 9                  | 1.1              |
| 150         | 46792       | 2145         | -66        | .          | 8                 | 0.4             | 21                 | 2.4              | 49                | 85.4            | 31                 | 9.9              | 9                 | 0.3             | 7                  | 0.4              | 14                | 0.1             | 9                  | 0.4              |
| 100         | 54595       | 1512         | -76        | .          | 5                 | 0.6             | 22                 | 2.6              | 50                | 88.8            | 33                 | 6.4              | 4                 | 0.3             | 0                  | 0.0              | 2                 | 0.1             | 5                  | 0.6              |
| 70          | 61398       | 894          | -71        | .          | 15                | 1.8             | 25                 | 7.5              | 38                | 83.5            | 29                 | 5.5              | 20                | 0.3             | 12                 | 0.1              | 1                 | 0.1             | 11                 | 0.8              |
| 50          | 67969       | 462          | -64        | .          | 22                | 0.9             | 26                 | 7.9              | 38                | 86.6            | 23                 | 3.3              | 24                | 0.3             | 14                 | 0.1              | 0                 | 0.0             | 16                 | 0.4              |
| 30          | 78455       | 211          | -54        | .          | 22                | 0.6             | 33                 | 6.6              | 41                | 86.9            | 26                 | 5.1              | 17                | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87195       | 314          | -49        | .          | 0                 | 0.0             | 12                 | 4.2              | 19                | 41.4            | 10                 | 3.1              | 9                 | 0.7             | 3                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102289      | 404          | -40        | .          | 0                 | 0.0             | 24                 | 8.6              | 38                | 82.9            | 21                 | 6.3              | 18                | 1.6             | 6                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |

JUN Latitude=12.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 32         | 18         | 7                 | 28.8            | 5                  | 6.7              | 4                 | 5.7             | 4                  | 4.3              | 2                 | 2.3             | 3                  | 2.3              | 5                 | 9.3             | 7                  | 37.9             |
| 1000        | 119         | -245         | 36         | 24         | 9                 | 19.8            | 7                  | 9.1              | 7                 | 7.8             | 6                  | 6.3              | 5                 | 5.3             | 5                  | 11.3             | 7                 | 12.3            | 10                 | 27.1             |
| 850         | 4855        | 75           | 27         | 15         | 10                | 18.6            | 6                  | 6.8              | 7                 | 5.1             | 7                  | 6.9              | 6                 | 6.4             | 6                  | 5.1              | 7                 | 13.1            | 12                 | 35.8             |
| 700         | 10358       | 476          | 13         | 5          | 12                | 39.3            | 10                 | 33.4             | 11                | 13.9            | 7                  | 2.4              | 6                 | 0.3             | 4                  | 0.9              | 7                 | 1.3             | 10                 | 7.8              |
| 500         | 19306       | 1017         | -6         | -14        | 10                | 5.8             | 14                 | 53.8             | 17                | 36.8            | 11                 | 1.6              | 3                 | 0.6             | 0                  | 0.0              | 9                 | 0.1             | 7                  | 0.9              |
| 400         | 24932       | 1358         | -16        | -25        | 9                 | 3.1             | 14                 | 29.8             | 16                | 53.3            | 10                 | 7.8              | 8                 | 1.6             | 7                  | 1.1              | 7                 | 1.1             | 7                  | 1.4              |
| 300         | 31865       | 1800         | -30        | -41        | 10                | 2.6             | 14                 | 16.9             | 21                | 62.9            | 15                 | 11.8             | 9                 | 1.6             | 9                  | 0.8              | 9                 | 1.6             | 13                 | 1.1              |
| 250         | 36033       | 2034         | -40        | .          | 12                | 1.9             | 17                 | 12.1             | 26                | 66.6            | 19                 | 12.9             | 13                | 1.8             | 16                 | 1.1              | 12                | 1.4             | 12                 | 1.6              |
| 200         | 40917       | 2255         | -52        | .          | 11                | 2.6             | 19                 | 6.4              | 32                | 68.8            | 23                 | 16.8             | 17                | 2.1             | 19                 | 1.1              | 11                | 0.8             | 18                 | 0.9              |
| 150         | 46849       | 2202         | -66        | .          | 12                | 1.6             | 27                 | 4.3              | 41                | 73.9            | 32                 | 17.9             | 10                | 0.4             | 11                 | 0.6              | 2                 | 0.4             | 22                 | 0.3              |
| 100         | 54651       | 1568         | -75        | .          | 9                 | 0.3             | 25                 | 3.8              | 42                | 82.1            | 36                 | 12.8             | 11                | 0.1             | 5                  | 0.1              | 9                 | 0.1             | 10                 | 0.3              |
| 70          | 61451       | 947          | -72        | .          | 13                | 0.4             | 19                 | 5.3              | 33                | 88.3            | 22                 | 5.1              | 5                 | 0.1             | 4                  | 0.3              | 0                 | 0.0             | 8                  | 0.1              |
| 50          | 68025       | 518          | -64        | .          | 16                | 0.9             | 21                 | 6.1              | 34                | 86.4            | 26                 | 5.6              | 5                 | 0.3             | 7                  | 0.1              | 0                 | 0.0             | 12                 | 0.1              |
| 30          | 78523       | 279          | -54        | .          | 22                | 0.4             | 22                 | 7.1              | 38                | 88.1            | 32                 | 4.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87267       | 386          | -49        | .          | 7                 | 0.1             | 11                 | 2.1              | 18                | 44.7            | 13                 | 2.2              | 4                 | 0.2             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102345      | 460          | -40        | .          | 14                | 0.3             | 23                 | 4.3              | 37                | 89.6            | 27                 | 4.6              | 9                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUN Latitude=12.50 Longitude= 45.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 31         | 24         | 3                 | 2.6             | 5                  | 3.3              | 5                 | 3.3             | 5                  | 6.0              | 9                 | 17.4            | 9                  | 40.2             | 9                 | 21.4            | 5                  | 4.0              |
| 1000        | 115         | -249         | 34         | 27         | 4                 | 1.8             | 6                  | 2.6              | 6                 | 3.6             | 6                  | 7.3              | 10                | 28.1            | 10                 | 34.9             | 11                | 18.3            | 6                  | 2.8              |
| 850         | 4849        | 69           | 26         | 16         | 4                 | 2.1             | 3                  | 1.4              | 6                 | 4.6             | 7                  | 6.3              | 7                 | 10.1            | 10                 | 36.6             | 10                | 31.9            | 7                  | 5.1              |
| 700         | 10339       | 457          | 13         | 5          | 9                 | 25.4            | 12                 | 40.1             | 13                | 11.8            | 9                  | 1.1              | 7                 | 0.9             | 7                  | 0.9              | 9                 | 5.6             | 8                  | 12.8             |
| 500         | 19296       | 1007         | -5         | -15        | 12                | 12.9            | 17                 | 62.1             | 17                | 21.4            | 8                  | 0.9              | 6                 | 0.4             | 0                  | 0.0              | 10                | 0.3             | 9                  | 1.4              |
| 400         | 24929       | 1355         | -16        | -26        | 9                 | 5.8             | 14                 | 35.8             | 17                | 45.3            | 10                 | 7.4              | 8                 | 0.8             | 6                  | 1.1              | 6                 | 1.4             | 6                  | 1.3              |
| 300         | 31864       | 1799         | -30        | -41        | 9                 | 2.4             | 15                 | 20.6             | 21                | 62.9            | 15                 | 8.3              | 6                 | 1.6             | 10                 | 0.9              | 11                | 1.3             | 8                  | 1.3              |
| 250         | 36032       | 2033         | -40        | .          | 12                | 1.6             | 19                 | 16.9             | 27                | 65.3            | 19                 | 9.4              | 11                | 2.1             | 16                 | 0.9              | 16                | 0.9             | 9                  | 2.1              |
| 200         | 40915       | 2253         | -52        | .          | 14                | 1.6             | 21                 | 9.9              | 33                | 72.3            | 21                 | 11.9             | 17                | 1.4             | 16                 | 0.4              | 21                | 0.6             | 9                  | 1.3              |
| 150         | 46848       | 2201         | -66        | .          | 9                 | 1.1             | 29                 | 8.8              | 43                | 75.9            | 31                 | 12.3             | 9                 | 0.4             | 11                 | 0.4              | 9                 | 0.3             | 14                 | 0.3              |
| 100         | 54653       | 1570         | -76        | .          | 7                 | 0.3             | 26                 | 7.6              | 44                | 82.3            | 38                 | 8.6              | 12                | 0.4             | 5                  | 0.1              | 4                 | 0.1             | 14                 | 0.1              |
| 70          | 61444       | 940          | -72        | .          | 15                | 0.3             | 22                 | 5.4              | 35                | 89.3            | 21                 | 3.9              | 11                | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 6                  | 0.1              |
| 50          | 68009       | 502          | -64        | .          | 16                | 0.3             | 24                 | 6.8              | 36                | 87.9            | 27                 | 4.1              | 16                | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78501       | 257          | -54        | .          | 13                | 0.1             | 25                 | 7.9              | 39                | 89.4            | 25                 | 2.1              | 18                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87241       | 360          | -49        | .          | 0                 | 0.0             | 15                 | 3.9              | 19                | 43.7            | 12                 | 2.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102343      | 458          | -40        | .          | 0                 | 0.0             | 30                 | 7.9              | 38                | 87.6            | 25                 | 4.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUN Latitude=12.50 Longitude= 47.50

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 32         | 26         | 5                 | 1.6             | 4                  | 1.0              | 6                 | 2.6             | 5                  | 3.6              | 8                 | 7.3             | 14                 | 48.9             | 12                | 30.2            | 3                  | 3.6              |
| 1000        | 82          | -282         | 33         | 26         | 7                 | 2.9             | 7                  | 2.6              | 8                 | 1.9             | 7                  | 2.1              | 10                | 8.9             | 16                 | 56.8             | 14                | 20.4            | 5                  | 3.1              |
| 850         | 4848        | 68           | 26         | 13         | 5                 | 3.9             | 7                  | 5.4              | 6                 | 2.1             | 4                  | 1.4              | 6                 | 5.3             | 15                 | 43.9             | 13                | 30.3            | 6                  | 5.9              |
| 700         | 10331       | 449          | 12         | 4          | 12                | 31.9            | 16                 | 39.8             | 11                | 7.1             | 4                  | 1.1              | 4                 | 0.9             | 8                  | 1.3              | 8                 | 4.1             | 9                  | 13.1             |
| 500         | 19278       | 989          | -5         | -18        | 13                | 17.6            | 18                 | 57.9             | 17                | 17.8            | 5                  | 1.3              | 3                 | 0.3             | 5                  | 0.1              | 10                | 1.3             | 9                  | 3.3              |
| 400         | 24919       | 1345         | -15        | -27        | 9                 | 7.4             | 15                 | 37.8             | 17                | 42.1            | 9                  | 5.4              | 7                 | 1.6             | 8                  | 1.3              | 8                 | 1.6             | 9                  | 2.1              |
| 300         | 31862       | 1797         | -30        | -42        | 9                 | 2.1             | 17                 | 23.6             | 22                | 63.1            | 14                 | 6.3              | 5                 | 1.6             | 3                  | 0.4              | 10                | 0.9             | 8                  | 1.3              |
| 250         | 36027       | 2028         | -40        | .          | 10                | 2.4             | 21                 | 14.6             | 27                | 69.6            | 17                 | 8.9              | 9                 | 1.3             | 14                 | 0.6              | 11                | 0.8             | 10                 | 1.1              |
| 200         | 40911       | 2249         | -52        | .          | 12                | 1.3             | 23                 | 8.8              | 33                | 75.3            | 23                 | 11.1             | 12                | 0.4             | 13                 | 0.8              | 14                | 0.6             | 9                  | 1.3              |
| 150         | 46847       | 2200         | -66        | .          | 8                 | 0.6             | 26                 | 6.9              | 44                | 76.4            | 33                 | 13.6             | 10                | 0.8             | 10                 | 0.4              | 12                | 0.3             | 3                  | 0.3              |
| 100         | 54656       | 1573         | -76        | .          | 5                 | 0.1             | 21                 | 5.4              | 45                | 85.9            | 37                 | 7.4              | 12                | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 5                  | 0.3              |
| 70          | 61447       | 943          | -72        | .          | 20                | 0.3             | 26                 | 7.1              | 37                | 88.1            | 28                 | 3.6              | 14                | 0.4             | 5                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68005       | 498          | -64        | .          | 40                | 0.1             | 26                 | 8.9              | 38                | 87.5            | 27                 | 2.8              | 17                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78494       | 250          | -54        | .          | 0                 | 0.0             | 32                 | 10.1             | 41                | 87.3            | 32                 | 2.3              | 23                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87234       | 353          | -49        | .          | 0                 | 0.0             | 17                 | 4.7              | 19                | 42.1            | 15                 | 2.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102345      | 460          | -40        | .          | 0                 | 0.0             | 33                 | 9.6              | 38                | 84.3            | 29                 | 5.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUN Latitude=12.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 32         | 26         | 6                 | 5.0             | 10                 | 0.3              | 6                 | 0.6             | 6                  | 3.0              | 7                 | 12.7            | 10                 | 30.2             | 12                | 27.5            | 8                  | 19.7             |
| 1000        | 89          | -275         | 33         | 25         | 8                 | 5.3             | 8                  | 1.4              | 7                 | 1.9             | 7                  | 3.8              | 10                | 15.1            | 14                 | 41.3             | 15                | 16.3            | 12                 | 13.6             |
| 850         | 4848        | 68           | 25         | 14         | 9                 | 1.8             | 6                  | 2.9              | 6                 | 0.9             | 5                  | 1.3              | 6                 | 3.6             | 12                 | 31.9             | 15                | 50.6            | 7                  | 6.3              |
| 700         | 10315       | 433          | 12         | 5          | 12                | 32.4            | 14                 | 26.4             | 10                | 5.6             | 4                  | 0.8              | 5                 | 0.4             | 9                  | 1.6              | 11                | 6.9             | 11                 | 25.0             |
| 500         | 19261       | 972          | -5         | -17        | 12                | 19.6            | 17                 | 55.6             | 18                | 14.4            | 7                  | 0.4              | 2                 | 0.1             | 5                  | 0.8              | 10                | 1.9             | 9                  | 6.4              |
| 400         | 24909       | 1335         | -15        | -27        | 9                 | 8.6             | 15                 | 38.3             | 17                | 40.4            | 8                  | 4.3              | 7                 | 1.3             | 9                  | 1.4              | 9                 | 2.9             | 8                  | 2.3              |
| 300         | 31858       | 1793         | -30        | -41        | 9                 | 1.9             | 17                 | 26.1             | 21                | 62.9            | 17                 | 4.8              | 8                 | 0.9             | 9                  | 0.6              | 7                 | 0.8             | 6                  | 1.4              |
| 250         | 36025       | 2026         | -40        | .          | 12                | 1.9             | 21                 | 18.6             | 26                | 67.6            | 19                 | 8.4              | 10                | 0.8             | 11                 | 0.6              | 11                | 1.1             | 6                  | 0.4              |
| 200         | 40913       | 2251         | -52        | .          | 12                | 1.6             | 23                 | 7.8              | 34                | 75.4            | 25                 | 12.1             | 0                 | 0.0             | 9                  | 1.4              | 13                | 0.4             | 10                 | 0.8              |
| 150         | 46850       | 2203         | -66        | .          | 11                | 0.1             | 24                 | 2.6              | 45                | 81.6            | 34                 | 13.4             | 11                | 1.1             | 6                  | 0.1              | 9                 | 0.4             | 8                  | 0.1              |
| 100         | 54659       | 1576         | -76        | .          | 11                | 0.1             | 25                 | 2.8              | 47                | 88.9            | 35                 | 7.6              | 11                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.1              |
| 70          | 61451       | 947          | -72        | .          | 10                | 0.1             | 26                 | 6.8              | 38                | 87.9            | 33                 | 4.4              | 12                | 0.3             | 7                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68011       | 504          | -64        | .          | 21                | 0.4             | 28                 | 7.8              | 39                | 88.6            | 31                 | 2.6              | 9                 | 0.1             | 7                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78502       | 258          | -54        | .          | 0                 | 0.0             | 32                 | 6.9              | 42                | 88.6            | 28                 | 4.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87241       | 360          | -49        | .          | 0                 | 0.0             | 15                 | 4.6              | 19                | 42.4            | 16                 | 2.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102351      | 466          | -40        | .          | 0                 | 0.0             | 31                 | 9.3              | 38                | 84.9            | 31                 | 5.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUN Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 26         | 0                 | 0.0             | 0                  | 0.0              | 3                 | 0.3             | 0                  | 0.0              | 18                | 56.0            | 18                 | 41.9             | 7                 | 1.6             | 0                  | 0.0              |
| 1000        | 121         | -243         | 30         | 25         | 0                 | 0.0             | 0                  | 0.0              | 4                 | 0.1             | 11                 | 1.1              | 20                | 53.8            | 21                 | 43.6             | 11                | 0.9             | 2                  | 0.1              |
| 850         | 4848        | 68           | 23         | 14         | 7                 | 0.1             | 3                  | 0.1              | 7                 | 0.3             | 19                 | 0.1              | 10                | 3.3             | 17                 | 55.3             | 18                | 37.8            | 6                  | 2.4              |
| 700         | 10295       | 413          | 11         | 5          | 11                | 30.8            | 13                 | 12.1             | 9                 | 5.9             | 4                  | 1.4              | 5                 | 0.1             | 5                  | 2.1              | 15                | 16.1            | 14                 | 30.6             |
| 500         | 19246       | 957          | -4         | -17        | 12                | 19.1            | 16                 | 50.3             | 16                | 13.3            | 6                  | 0.6              | 4                 | 0.9             | 5                  | 0.9              | 11                | 5.3             | 10                 | 8.9              |
| 400         | 24899       | 1325         | -15        | -27        | 10                | 8.4             | 14                 | 35.1             | 16                | 38.8            | 8                  | 4.3              | 4                 | 0.9             | 7                  | 2.4              | 11                | 4.8             | 8                  | 4.6              |
| 300         | 31850       | 1785         | -30        | -41        | 7                 | 1.6             | 17                 | 23.9             | 20                | 62.5            | 16                 | 6.9              | 9                 | 1.3             | 11                 | 0.9              | 9                 | 0.9             | 6                  | 1.3              |
| 250         | 36019       | 2020         | -40        | .          | 11                | 1.4             | 20                 | 15.6             | 25                | 69.3            | 20                 | 9.8              | 7                 | 0.9             | 10                 | 1.3              | 11                | 0.6             | 8                  | 0.6              |
| 200         | 40908       | 2246         | -52        | .          | 9                 | 1.4             | 29                 | 4.4              | 34                | 80.3            | 28                 | 11.1             | 8                 | 1.1             | 9                  | 0.8              | 14                | 0.3             | 11                 | 0.1              |
| 150         | 46846       | 2199         | -66        | .          | 7                 | 0.1             | 23                 | 2.8              | 47                | 83.9            | 34                 | 11.9             | 29                | 0.1             | 6                  | 0.3              | 5                 | 0.3             | 7                  | 0.1              |
| 100         | 54655       | 1572         | -76        | .          | 10                | 0.1             | 24                 | 1.9              | 49                | 90.8            | 32                 | 6.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61446       | 942          | -72        | .          | 26                | 0.4             | 26                 | 6.3              | 39                | 86.8            | 32                 | 5.8              | 15                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 0.3              |
| 50          | 68008       | 501          | -64        | .          | 39                | 0.3             | 28                 | 6.6              | 40                | 89.8            | 28                 | 2.4              | 9                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.3              |
| 30          | 78496       | 252          | -54        | .          | 22                | 0.1             | 34                 | 5.9              | 42                | 90.1            | 34                 | 3.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87236       | 355          | -49        | .          | 0                 | 0.0             | 14                 | 4.1              | 18                | 43.1            | 17                 | 2.4              | 5                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102335      | 450          | -40        | .          | 0                 | 0.0             | 28                 | 8.3              | 37                | 86.3            | 34                 | 4.9              | 10                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 2.2              | 9                 | 78.3            | 8                  | 18.3             | 4                 | 0.9             | 0                  | 0.0              |
| 1000        | 323         | -41          | 30         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 12                 | 0.9              | 14                | 64.1            | 15                 | 34.2             | 7                 | 0.6             | 0                  | 0.0              |
| 850         | 4916        | 136          | 21         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 14                 | 0.6              | 17                | 58.4            | 19                 | 40.5             | 18                | 0.1             | 6                  | 0.1              |
| 700         | 10332       | 450          | 10         | 5          | 5                 | 3.3             | 3                  | 0.8              | 4                 | 0.3             | 1                  | 0.1              | 9                 | 3.2             | 13                 | 29.4             | 11                | 42.0            | 11                 | 19.8             |
| 500         | 19252       | 963          | -6         | -15        | 11                | 9.8             | 15                 | 49.2             | 14                | 28.2            | 9                  | 5.8              | 4                 | 0.6             | 4                  | 1.1              | 9                 | 1.1             | 10                 | 3.5              |
| 400         | 24877       | 1303         | -17        | -29        | 7                 | 5.1             | 14                 | 23.5             | 17                | 51.8            | 13                 | 12.4             | 8                 | 1.7             | 7                  | 0.8              | 6                 | 1.6             | 10                 | 2.5              |
| 300         | 31760       | 1695         | -32        | -45        | 13                | 2.9             | 19                 | 21.8             | 23                | 62.7            | 17                 | 10.5             | 13                | 0.3             | 3                  | 0.3              | 10                | 0.6             | 8                  | 0.4              |
| 250         | 35908       | 1909         | -42        | .          | 24                | 1.4             | 24                 | 16.6             | 28                | 72.3            | 23                 | 8.4              | 7                 | 0.1             | 8                  | 0.3              | 10                | 0.6             | 0                  | 0.0              |
| 200         | 40758       | 2096         | -54        | .          | 2                 | 0.1             | 34                 | 13.1             | 37                | 82.0            | 25                 | 3.8              | 15                | 0.3             | 6                  | 0.3              | 22                | 0.1             | 0                  | 0.0              |
| 150         | 46655       | 2008         | -67        | .          | 9                 | 0.1             | 36                 | 12.6             | 49                | 83.4            | 38                 | 3.3              | 16                | 0.1             | 0                  | 0.0              | 15                | 0.1             | 0                  | 0.0              |
| 100         | 54466       | 1383         | -74        | .          | 9                 | 0.1             | 36                 | 7.7              | 44                | 86.7            | 33                 | 5.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 12                 | 0.1              |
| 70          | 61346       | 842          | -69        | .          | 14                | 0.3             | 25                 | 6.6              | 38                | 88.8            | 22                 | 3.2              | 7                 | 0.1             | 19                 | 0.1              | 6                 | 0.1             | 14                 | 0.4              |
| 50          | 68005       | 498          | -62        | .          | 9                 | 0.6             | 27                 | 7.4              | 39                | 86.7            | 27                 | 4.3              | 9                 | 0.1             | 16                 | 0.4              | 0                 | 0.0             | 14                 | 0.1              |
| 30          | 78555       | 311          | -54        | .          | 24                | 0.6             | 32                 | 7.2              | 45                | 83.9            | 36                 | 8.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87280       | 399          | -49        | .          | 15                | 0.9             | 13                 | 7.6              | 22                | 39.0            | 10                 | 2.0              | 17                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102288      | 403          | -41        | .          | 30                | 1.9             | 27                 | 15.4             | 44                | 78.0            | 20                 | 4.1              | 33                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 3.8             | 16                 | 95.8             | 15                | 0.3             | 0                  | 0.0              |
| 1000        | 308         | -56          | 29         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 20                | 11.7            | 20                 | 87.8             | 21                | 0.3             | 0                  | 0.0              |
| 850         | 4919        | 139          | 20         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 27                | 5.4             | 29                 | 94.0             | 27                | 0.4             | 0                  | 0.0              |
| 700         | 10318       | 436          | 10         | 5          | 12                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 10                | 0.9             | 17                 | 28.4             | 16                | 63.1            | 13                 | 7.2              |
| 500         | 19250       | 961          | -6         | -15        | 10                | 13.0            | 14                 | 49.2             | 11                | 17.1            | 8                  | 6.1              | 5                 | 2.1             | 6                  | 2.1              | 10                | 3.2             | 10                 | 6.6              |
| 400         | 24867       | 1293         | -17        | -28        | 8                 | 7.1             | 14                 | 28.1             | 16                | 42.8            | 11                 | 11.7             | 8                 | 2.4             | 2                  | 0.6              | 7                 | 2.7             | 8                  | 3.8              |
| 300         | 31758       | 1693         | -32        | -44        | 14                | 3.5             | 20                 | 22.6             | 23                | 64.0            | 17                 | 7.1              | 11                | 0.3             | 5                  | 0.3              | 10                | 0.6             | 6                  | 1.2              |
| 250         | 35903       | 1904         | -42        | .          | 24                | 2.1             | 27                 | 16.9             | 29                | 73.6            | 21                 | 6.1              | 0                 | 0.0             | 1                  | 0.1              | 9                 | 0.3             | 8                  | 0.6              |
| 200         | 40754       | 2092         | -54        | .          | 23                | 0.8             | 34                 | 11.0             | 39                | 84.3            | 27                 | 3.0              | 12                | 0.1             | 6                  | 0.3              | 14                | 0.3             | 0                  | 0.0              |
| 150         | 46650       | 2003         | -67        | .          | 8                 | 0.1             | 35                 | 12.2             | 51                | 85.9            | 34                 | 1.4              | 0                 | 0.0             | 0                  | 0.0              | 10                | 0.1             | 0                  | 0.0              |
| 100         | 54464       | 1381         | -74        | .          | 0                 | 0.0             | 36                 | 8.7              | 44                | 87.2            | 40                 | 4.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61347       | 843          | -69        | .          | 14                | 0.6             | 23                 | 7.4              | 38                | 88.6            | 19                 | 2.4              | 0                 | 0.0             | 11                 | 0.3              | 0                 | 0.0             | 11                 | 0.4              |
| 50          | 68003       | 496          | -62        | .          | 13                | 0.1             | 25                 | 9.5              | 40                | 86.8            | 22                 | 2.1              | 10                | 0.0             | 21                 | 0.3              | 4                 | 0.1             | 12                 | 0.3              |
| 30          | 78558       | 314          | -54        | .          | 19                | 0.1             | 32                 | 10.3             | 45                | 87.2            | 25                 | 2.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87282       | 401          | -49        | .          | 18                | 0.7             | 15                 | 8.1              | 22                | 38.8            | 10                 | 1.8              | 12                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102295      | 410          | -41        | .          | 37                | 1.6             | 31                 | 16.4             | 44                | 77.7            | 19                 | 3.8              | 25                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE  | S   | S   | SW  | SW   | W   | W    | NW  | NW   |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|------|-----|------|-----|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  |
| SFC  | .      | .    | 28  | 15  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 16  | 6.1 | 16  | 93.5 | 11  | 0.3  | 0   | 0.0  |
| 1000 | 281    | -83  | 29  | 19  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 20  | 7.1 | 22  | 92.5 | 20  | 0.3  | 0   | 0.0  |
| 850  | 4915   | 135  | 19  | 13  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 0   | 0.0 | 31  | 98.2 | 29  | 1.7  | 0   | 0.0  |
| 700  | 10314  | 432  | 10  | 4   | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 8   | 0.1 | 20  | 22.9 | 21  | 72.0 | 16  | 4.8  |
| 500  | 19239  | 950  | -6  | -15 | 10  | 19.3 | 13  | 39.2 | 8   | 9.3  | 8   | 5.0 | 8   | 3.0 | 7   | 4.6  | 10  | 7.1  | 9   | 11.3 |
| 400  | 24862  | 1288 | -17 | -28 | 9   | 7.9  | 14  | 31.0 | 14  | 35.2 | 10  | 9.5 | 8   | 3.8 | 8   | 0.9  | 8   | 3.2  | 9   | 7.5  |
| 300  | 31757  | 1692 | -32 | -44 | 12  | 3.7  | 19  | 22.3 | 22  | 63.7 | 17  | 7.7 | 6   | 0.3 | 7   | 0.4  | 8   | 0.4  | 8   | 1.1  |
| 250  | 35899  | 1900 | -42 | .   | 17  | 1.7  | 25  | 19.3 | 29  | 72.0 | 25  | 6.3 | 0   | 0.0 | 2   | 0.1  | 10  | 0.1  | 16  | 0.1  |
| 200  | 40749  | 2087 | -54 | .   | 21  | 0.8  | 33  | 10.8 | 40  | 85.1 | 28  | 2.4 | 13  | 0.3 | 0   | 0.0  | 12  | 0.3  | 10  | 0.1  |
| 150  | 46647  | 2000 | -67 | .   | 19  | 0.6  | 32  | 9.5  | 52  | 88.3 | 37  | 1.1 | 0   | 0.0 | 3   | 0.1  | 0   | 0.0  | 13  | 0.1  |
| 100  | 54463  | 1380 | -74 | .   | 0   | 0.0  | 34  | 7.1  | 45  | 89.1 | 38  | 3.7 | 0   | 0.0 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |
| 70   | 61350  | 846  | -69 | .   | 17  | 0.8  | 25  | 9.0  | 38  | 86.8 | 19  | 2.2 | 4   | 0.1 | 14  | 0.1  | 13  | 0.4  | 5   | 0.1  |
| 50   | 68003  | 496  | -63 | .   | 10  | 0.4  | 28  | 8.5  | 40  | 87.2 | 19  | 2.9 | 10  | 0.1 | 14  | 0.3  | 28  | 0.1  | 17  | 0.1  |
| 30   | 78562  | 318  | -54 | .   | 19  | 0.1  | 34  | 11.1 | 45  | 86.7 | 23  | 1.9 | 0   | 0.0 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |
| 20   | 87286  | 405  | -49 | .   | 12  | 0.1  | 14  | 8.3  | 22  | 39.5 | 9   | 1.7 | 7   | 0.1 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |
| 10   | 102305 | 420  | -41 | .   | 24  | 0.3  | 29  | 16.7 | 44  | 79.0 | 18  | 3.5 | 15  | 0.3 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |

JUL Latitude= 7.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S    | SW  | SW   | W   | W    | NW  | NW   |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  |
| SFC  | .      | .    | 27  | 22  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 27  | 20.3 | 26  | 79.6 | 0   | 0.0  | 0   | 0.0  |
| 1000 | 258    | -106 | 27  | 21  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 29  | 11.1 | 28  | 88.8 | 0   | 0.0  | 0   | 0.0  |
| 850  | 4900   | 120  | 19  | 10  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 27  | 0.1  | 39  | 95.3 | 36  | 4.5  | 0   | 0.0  |
| 700  | 10304  | 422  | 11  | 3   | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 25  | 16.3 | 21  | 78.5 | 19  | 5.1  |
| 500  | 19229  | 940  | -6  | -16 | 11  | 19.8 | 12  | 26.4 | 7   | 7.1  | 7   | 2.2  | 8   | 3.7  | 9   | 6.6  | 10  | 14.5 | 10  | 17.9 |
| 400  | 24856  | 1282 | -16 | -29 | 10  | 8.7  | 13  | 26.6 | 14  | 31.1 | 9   | 9.0  | 8   | 4.8  | 6   | 5.0  | 9   | 4.3  | 11  | 9.3  |
| 300  | 31760  | 1695 | -32 | -44 | 13  | 3.5  | 17  | 20.2 | 22  | 63.1 | 17  | 10.8 | 8   | 0.3  | 10  | 0.3  | 7   | 0.4  | 10  | 0.8  |
| 250  | 35897  | 1898 | -42 | .   | 16  | 2.1  | 24  | 17.1 | 29  | 72.6 | 24  | 7.4  | 8   | 0.3  | 0   | 0.0  | 9   | 0.1  | 12  | 0.1  |
| 200  | 40747  | 2085 | -54 | .   | 19  | 0.4  | 31  | 8.8  | 41  | 87.2 | 25  | 2.7  | 10  | 0.1  | 7   | 0.3  | 0   | 0.0  | 10  | 0.1  |
| 150  | 46646  | 1999 | -67 | .   | 16  | 0.1  | 27  | 6.9  | 53  | 90.4 | 24  | 1.7  | 6   | 0.3  | 0   | 0.0  | 0   | 0.0  | 9   | 0.3  |
| 100  | 54462  | 1379 | -74 | .   | 0   | 0.0  | 33  | 5.5  | 47  | 89.4 | 40  | 5.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |
| 70   | 61353  | 849  | -69 | .   | 12  | 0.8  | 25  | 8.5  | 38  | 86.4 | 20  | 2.9  | 11  | 0.4  | 0   | 0.0  | 14  | 0.8  | 0   | 0.0  |
| 50   | 68004  | 497  | -63 | .   | 10  | 0.8  | 30  | 7.2  | 40  | 86.2 | 23  | 4.6  | 13  | 0.1  | 10  | 0.3  | 30  | 0.3  | 5   | 0.1  |
| 30   | 78562  | 318  | -54 | .   | 13  | 0.1  | 35  | 7.4  | 44  | 88.6 | 26  | 3.7  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |
| 20   | 87287  | 406  | -49 | .   | 8   | 0.1  | 13  | 5.4  | 21  | 41.8 | 10  | 2.3  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |
| 10   | 102305 | 420  | -41 | .   | 16  | 0.3  | 27  | 10.9 | 42  | 83.8 | 21  | 4.8  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |

JUL Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 26                | 2.9             | 26                 | 97.0             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 266         | -98          | 25         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 27                | 1.9             | 31                 | 98.0             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4901        | 121          | 19         | 8          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 22                | 0.8             | 40                 | 96.4             | 36                | 2.7             | 0                  | 0.0              |
| 700         | 10298       | 416          | 11         | 2          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 25                 | 15.3             | 23                | 79.3            | 18                 | 5.3              |
| 500         | 19220       | 931          | -5         | -16        | 10                | 17.6            | 11                 | 19.2             | 8                 | 7.5             | 6                  | 2.2              | 9                 | 2.5             | 10                 | 10.0             | 12                | 26.9            | 11                 | 13.2             |
| 400         | 24852       | 1278         | -16        | -28        | 8                 | 7.5             | 12                 | 19.5             | 12                | 31.9            | 8                  | 10.6             | 8                 | 5.6             | 8                  | 5.1              | 9                 | 8.2             | 10                 | 10.6             |
| 300         | 31762       | 1697         | -32        | -43        | 10                | 2.9             | 16                 | 16.5             | 21                | 67.3            | 16                 | 9.7              | 7                 | 0.9             | 9                  | 0.4              | 6                 | 0.8             | 9                  | 1.1              |
| 250         | 35897       | 1898         | -42        | .          | 12                | 0.9             | 21                 | 14.3             | 30                | 75.2            | 22                 | 8.0              | 15                | 0.4             | 9                  | 0.3              | 3                 | 0.3             | 8                  | 0.1              |
| 200         | 40745       | 2083         | -54        | .          | 10                | 0.3             | 30                 | 7.1              | 42                | 88.9            | 22                 | 3.0              | 10                | 0.3             | 0                  | 0.0              | 8                 | 0.1             | 0                  | 0.0              |
| 150         | 46644       | 1997         | -67        | .          | 13                | 0.1             | 29                 | 3.0              | 54                | 92.7            | 32                 | 3.3              | 16                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 0.4              |
| 100         | 54458       | 1375         | -74        | .          | 0                 | 0.0             | 30                 | 3.2              | 48                | 91.5            | 37                 | 5.1              | 9                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61350       | 846          | -69        | .          | 15                | 0.1             | 24                 | 5.9              | 38                | 87.7            | 20                 | 4.6              | 9                 | 0.4             | 9                  | 0.6              | 13                | 0.3             | 0                  | 0.0              |
| 50          | 68003       | 496          | -63        | .          | 10                | 0.1             | 32                 | 6.6              | 40                | 86.4            | 24                 | 5.5              | 13                | 0.1             | 14                 | 0.6              | 26                | 0.1             | 18                 | 0.3              |
| 30          | 78559       | 315          | -54        | .          | 3                 | 0.1             | 37                 | 4.2              | 44                | 90.6            | 23                 | 4.8              | 3                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87279       | 398          | -49        | .          | 1                 | 0.1             | 14                 | 3.1              | 21                | 41.4            | 10                 | 4.3              | 7                 | 0.7             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102299      | 414          | -41        | .          | 2                 | 0.3             | 28                 | 6.4              | 42                | 82.9            | 21                 | 8.7              | 14                | 1.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude=10.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 16         | 4                 | 2.5             | 2                  | 0.6              | 0                 | 0.0             | 2                  | 0.6              | 7                 | 27.4            | 5                  | 43.8             | 4                 | 12.9            | 5                  | 10.6             |
| 1000        | 238         | -126         | 33         | 24         | 5                 | 0.9             | 3                  | 0.1              | 4                 | 0.4             | 6                  | 2.2              | 10                | 32.9            | 9                  | 44.5             | 8                 | 12.1            | 9                  | 6.1              |
| 850         | 4856        | 76           | 25         | 16         | 5                 | 0.9             | 3                  | 0.1              | 5                 | 0.3             | 7                  | 0.8              | 12                | 25.6            | 11                 | 51.6             | 9                 | 14.0            | 9                  | 6.1              |
| 700         | 10328       | 446          | 12         | 7          | 10                | 28.1            | 6                  | 6.7              | 5                 | 2.7             | 7                  | 1.6              | 6                 | 3.2             | 9                  | 7.2              | 9                 | 10.9            | 11                 | 38.2             |
| 500         | 19265       | 976          | -6         | -13        | 14                | 6.4             | 17                 | 56.3             | 17                | 31.1            | 10                 | 3.0              | 8                 | 0.4             | 7                  | 0.3              | 11                | 0.8             | 13                 | 1.2              |
| 400         | 24894       | 1320         | -16        | -26        | 11                | 3.8             | 16                 | 28.5             | 18                | 55.7            | 10                 | 8.4              | 10                | 1.2             | 0                  | 0.0              | 14                | 0.3             | 5                  | 1.7              |
| 300         | 31785       | 1720         | -31        | -42        | 11                | 2.1             | 21                 | 17.3             | 25                | 71.0            | 17                 | 7.6              | 11                | 0.4             | 5                  | 0.1              | 8                 | 0.6             | 11                 | 0.6              |
| 250         | 35946       | 1947         | -41        | .          | 26                | 1.2             | 25                 | 15.3             | 31                | 75.1            | 21                 | 6.6              | 15                | 0.6             | 0                  | 0.0              | 15                | 0.4             | 13                 | 0.3              |
| 200         | 40811       | 2149         | -53        | .          | 24                | 1.1             | 32                 | 10.3             | 40                | 84.1            | 24                 | 3.7              | 15                | 0.1             | 0                  | 0.0              | 10                | 0.3             | 2                  | 0.1              |
| 150         | 46722       | 2075         | -67        | .          | 13                | 0.4             | 43                 | 6.1              | 52                | 89.1            | 36                 | 4.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54521       | 1438         | -75        | .          | 0                 | 0.0             | 44                 | 4.5              | 50                | 90.2            | 41                 | 5.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 6123        | 890          | -69        | .          | 24                | 0.1             | 32                 | 3.8              | 44                | 94.1            | 25                 | 1.6              | 21                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68054       | 547          | -62        | .          | 2                 | 0.1             | 32                 | 4.2              | 43                | 92.0            | 34                 | 3.2              | 16                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 0.1              |
| 30          | 78608       | 364          | -54        | .          | 0                 | 0.0             | 35                 | 4.2              | 47                | 89.4            | 42                 | 6.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87336       | 455          | -49        | .          | 10                | 0.2             | 17                 | 3.1              | 22                | 45.4            | 15                 | 0.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102354      | 469          | -41        | .          | 21                | 0.6             | 34                 | 6.4              | 45                | 90.9            | 31                 | 1.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude=10.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE  | S   | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|-----|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 28  | 14  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 15  | 33.8 | 11  | 64.5 | 9   | 1.6  | 0   |
| 1000 | 178    | -186 | 33  | 21  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 1   | 0.1 | 18  | 28.7 | 16  | 66.5 | 11  | 3.8  | 10  |
| 850  | 4848   | 68   | 24  | 14  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 23  | 5.8  | 22  | 89.0 | 19  | 5.0  | 5   |
| 700  | 10314  | 432  | 12  | 7   | 7   | 6.9  | 4   | 1.6  | 3   | 0.3  | 5   | 0.4 | 9   | 1.2  | 11  | 10.6 | 12  | 38.9 | 11  |
| 500  | 19259  | 970  | -6  | -14 | 11  | 11.1 | 17  | 66.8 | 14  | 15.6 | 8   | 2.1 | 3   | 0.6  | 2   | 0.1  | 11  | 1.6  | 11  |
| 400  | 24883  | 1309 | -16 | -27 | 10  | 5.3  | 16  | 37.6 | 18  | 43.9 | 10  | 7.7 | 9   | 1.7  | 7   | 0.3  | 11  | 0.6  | 7   |
| 300  | 31785  | 1720 | -31 | -42 | 17  | 2.2  | 21  | 19.4 | 25  | 72.0 | 15  | 4.6 | 9   | 0.4  | 0   | 0.0  | 7   | 0.8  | 11  |
| 250  | 35939  | 1940 | -41 | .   | 23  | 1.6  | 25  | 15.0 | 32  | 77.2 | 18  | 5.0 | 11  | 0.3  | 9   | 0.3  | 12  | 0.1  | 12  |
| 200  | 40802  | 2140 | -53 | .   | 26  | 0.6  | 32  | 9.3  | 42  | 86.7 | 25  | 2.5 | 2   | 0.1  | 6   | 0.1  | 0   | 0.0  | 15  |
| 150  | 46712  | 2065 | -67 | .   | 12  | 0.4  | 44  | 8.5  | 53  | 88.9 | 36  | 1.9 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 100  | 54517  | 1434 | -74 | .   | 15  | 0.1  | 44  | 5.6  | 51  | 90.4 | 49  | 3.7 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 70   | 61390  | 886  | -69 | .   | 24  | 0.1  | 29  | 4.3  | 44  | 94.3 | 26  | 1.1 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 50   | 68043  | 536  | -62 | .   | 0   | 0.0  | 34  | 4.5  | 44  | 93.8 | 35  | 1.4 | 0   | 0.0  | 0   | 0.0  | 10  | 0.1  | 0   |
| 30   | 78597  | 353  | -54 | .   | 0   | 0.0  | 38  | 5.6  | 47  | 93.3 | 38  | 0.9 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 20   | 87321  | 440  | -49 | .   | 0   | 0.0  | 19  | 3.6  | 23  | 45.4 | 11  | 0.7 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 10   | 102348 | 463  | -41 | .   | 0   | 0.0  | 37  | 7.4  | 46  | 90.9 | 22  | 1.6 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |

JUL Latitude=10.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE  | S   | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|-----|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 26  | 13  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 17  | 12.2 | 17  | 87.4 | 22  | 0.3  | 0   |
| 1000 | 219    | -145 | 33  | 21  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 22  | 10.6 | 20  | 86.9 | 17  | 2.4  | 0   |
| 850  | 4853   | 73   | 23  | 13  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0 | 31  | 4.5  | 28  | 92.7 | 23  | 2.7  | 0   |
| 700  | 10302  | 420  | 11  | 7   | 9   | 2.4  | 6   | 0.1  | 0   | 0.0  | 0   | 0.0 | 14  | 0.1  | 18  | 15.5 | 17  | 60.5 | 12  |
| 500  | 19251  | 962  | -6  | -14 | 11  | 19.7 | 16  | 59.1 | 12  | 8.8  | 6   | 2.4 | 4   | 1.4  | 8   | 0.6  | 7   | 1.6  | 10  |
| 400  | 24877  | 1303 | -16 | -25 | 8   | 7.7  | 15  | 34.7 | 17  | 43.6 | 9   | 4.3 | 9   | 2.7  | 5   | 1.2  | 6   | 1.7  | 9   |
| 300  | 31774  | 1709 | -31 | -42 | 13  | 1.7  | 20  | 21.1 | 26  | 71.5 | 14  | 4.0 | 9   | 0.4  | 5   | 0.3  | 0   | 0.0  | 8   |
| 250  | 35934  | 1935 | -41 | .   | 13  | 0.8  | 25  | 15.3 | 33  | 80.4 | 22  | 2.7 | 0   | 0.0  | 13  | 0.1  | 0   | 0.0  | 10  |
| 200  | 40801  | 2139 | -53 | .   | 17  | 0.3  | 34  | 8.5  | 42  | 89.6 | 26  | 1.1 | 9   | 0.1  | 0   | 0.0  | 0   | 0.0  | 14  |
| 150  | 46713  | 2066 | -67 | .   | 16  | 0.3  | 37  | 6.6  | 54  | 91.9 | 30  | 1.1 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 100  | 54515  | 1432 | -75 | .   | 18  | 0.1  | 30  | 5.0  | 52  | 92.5 | 52  | 3.5 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 70   | 61389  | 885  | -69 | .   | 0   | 0.0  | 39  | 4.0  | 44  | 93.8 | 27  | 0.9 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 50   | 68040  | 533  | -63 | .   | 0   | 0.0  | 40  | 7.7  | 45  | 93.8 | 30  | 1.7 | 6   | 0.1  | 0   | 0.0  | 10  | 0.1  | 0   |
| 30   | 78594  | 350  | -54 | .   | 0   | 0.0  | 40  | 7.7  | 49  | 91.4 | 35  | 0.8 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 20   | 87323  | 442  | -49 | .   | 0   | 0.0  | 21  | 4.0  | 23  | 45.1 | 15  | 0.7 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 10   | 102358 | 473  | -41 | .   | 0   | 0.0  | 41  | 8.0  | 46  | 90.3 | 30  | 1.6 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |

JUL Latitude=10.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 30  | 16  | 0     | 0.0  | 0     | 0.0  | 17    | 14.8 | 18    | 85.1 |
| 1000 | 171    | -193 | 33  | 19  | 0     | 0.0  | 0     | 0.0  | 21    | 15.6 | 23    | 84.3 |
| 850  | 4847   | 67   | 23  | 13  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 27    | 6.1  |
| 700  | 10297  | 415  | 11  | 7   | 11    | 0.6  | 0     | 0.0  | 0     | 0.0  | 19    | 73.1 |
| 500  | 19236  | 947  | -5  | -14 | 10    | 23.1 | 10    | 10.3 | 4     | 0.9  | 8     | 4.6  |
| 400  | 24864  | 1290 | -16 | -27 | 9     | 10.3 | 14    | 31.8 | 8     | 3.0  | 5     | 3.0  |
| 300  | 31775  | 1710 | -31 | -42 | 12    | 1.7  | 20    | 19.9 | 17    | 4.3  | 8     | 1.9  |
| 250  | 35929  | 1930 | -41 | .   | 14    | 1.1  | 25    | 13.5 | 6     | 0.6  | 10    | 0.1  |
| 200  | 40794  | 2132 | -53 | .   | 13    | 0.3  | 31    | 8.0  | 0     | 0.0  | 0     | 0.0  |
| 150  | 46707  | 2060 | -67 | .   | 0     | 0.0  | 33    | 4.2  | 0     | 0.0  | 0     | 0.0  |
| 100  | 54511  | 1428 | -74 | .   | 0     | 0.0  | 28    | 2.4  | 0     | 0.0  | 0     | 0.0  |
| 70   | 61390  | 886  | -69 | .   | 0     | 0.0  | 29    | 4.8  | 0     | 0.0  | 0     | 0.0  |
| 50   | 68038  | 531  | -63 | .   | 0     | 0.0  | 41    | 3.2  | 0     | 0.0  | 0     | 0.0  |
| 30   | 78595  | 351  | -54 | .   | 0     | 0.0  | 43    | 4.0  | 0     | 0.0  | 0     | 0.0  |
| 20   | 87320  | 439  | -49 | .   | 0     | 0.0  | 20    | 2.6  | 0     | 0.0  | 0     | 0.0  |
| 10   | 102352 | 467  | -41 | .   | 0     | 0.0  | 40    | 5.4  | 0     | 0.0  | 0     | 0.0  |

JUL Latitude=10.00 Longitude= 52.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 28  | 24  | 0     | 0.0  | 0     | 0.0  | 28    | 41.9 | 30    | 58.0 |
| 1000 | 187    | -177 | 27  | 23  | 0     | 0.0  | 0     | 0.0  | 34    | 28.9 | 34    | 71.0 |
| 850  | 4856   | 76   | 22  | 11  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 34    | 8.5  |
| 700  | 10287  | 405  | 11  | 6   | 11    | 0.3  | 0     | 0.0  | 0     | 0.0  | 20    | 5.0  |
| 500  | 19220  | 931  | -5  | -15 | 9     | 19.7 | 11    | 33.1 | 5     | 1.7  | 8     | 4.3  |
| 400  | 24860  | 1286 | -16 | -28 | 9     | 8.5  | 15    | 41.1 | 7     | 2.9  | 8     | 2.9  |
| 300  | 31782  | 1717 | -31 | -43 | 13    | 1.2  | 18    | 11.1 | 3     | 0.3  | 6     | 0.3  |
| 250  | 35928  | 1929 | -41 | .   | 13    | 0.8  | 25    | 8.8  | 0     | 0.0  | 0     | 0.0  |
| 200  | 40790  | 2128 | -53 | .   | 0     | 0.0  | 32    | 4.2  | 0     | 0.0  | 0     | 0.0  |
| 150  | 46703  | 2056 | -67 | .   | 7     | 0.1  | 28    | 1.4  | 0     | 0.0  | 0     | 0.0  |
| 100  | 54510  | 1427 | -74 | .   | 0     | 0.0  | 26    | 1.1  | 0     | 0.0  | 0     | 0.0  |
| 70   | 61393  | 889  | -69 | .   | 0     | 0.0  | 25    | 2.5  | 0     | 0.0  | 0     | 0.0  |
| 50   | 68042  | 535  | -63 | .   | 0     | 0.0  | 39    | 3.7  | 12    | 0.1  | 0     | 0.0  |
| 30   | 78600  | 356  | -54 | .   | 0     | 0.0  | 44    | 2.9  | 0     | 0.0  | 0     | 0.0  |
| 20   | 87321  | 440  | -49 | .   | 0     | 0.0  | 18    | 1.8  | 0     | 0.0  | 0     | 0.0  |
| 10   | 102350 | 465  | -41 | .   | 0     | 0.0  | 36    | 3.8  | 0     | 0.0  | 0     | 0.0  |

JUL Latitude=12.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 32         | 20         | 8                 | 17.0            | 4                  | 4.5              | 4                 | 1.9             | 4                  | 3.2              | 5                 | 3.8             | 6                  | 4.8              | 6                 | 16.1            | 8                  | 46.4             |
| 1000        | 96          | -268         | 35         | 25         | 10                | 13.4            | 6                  | 6.7              | 5                 | 3.2             | 6                  | 4.0              | 6                 | 6.1             | 7                  | 7.9              | 8                 | 20.1            | 11                 | 37.4             |
| 850         | 4824        | 44           | 26         | 16         | 14                | 13.8            | 5                  | 3.0              | 7                 | 1.4             | 5                  | 1.7              | 6                 | 3.8             | 9                  | 6.1              | 10                | 17.6            | 16                 | 51.5             |
| 700         | 10327       | 445          | 13         | 6          | 15                | 59.6            | 11                 | 22.9             | 8                 | 5.1             | 7                  | 1.4              | 8                 | 0.3             | 4                  | 0.8              | 11                | 0.8             | 14                 | 8.4              |
| 500         | 19286       | 997          | -6         | -11        | 13                | 3.2             | 17                 | 55.5             | 17                | 36.8            | 13                 | 1.2              | 7                 | 1.1             | 10                 | 0.8              | 6                 | 0.4             | 10                 | 0.6              |
| 400         | 24909       | 1335         | -16        | -25        | 11                | 2.7             | 16                 | 27.9             | 18                | 61.3            | 11                 | 4.2              | 7                 | 1.7             | 9                  | 0.8              | 13                | 0.3             | 7                  | 0.8              |
| 300         | 31834       | 1769         | -31        | -40        | 17                | 0.9             | 18                 | 10.1             | 26                | 81.8            | 17                 | 5.5              | 8                 | 0.8             | 13                 | 0.1              | 10                | 0.3             | 10                 | 0.1              |
| 250         | 35995       | 1996         | -41        | .          | 18                | 0.9             | 23                 | 10.5             | 33                | 82.8            | 23                 | 3.8              | 10                | 0.8             | 15                 | 0.4              | 15                | 0.3             | 9                  | 0.1              |
| 200         | 40869       | 2207         | -53        | .          | 19                | 0.9             | 29                 | 7.2              | 41                | 86.0            | 28                 | 5.0              | 16                | 0.1             | 14                 | 0.1              | 13                | 0.3             | 0                  | 0.0              |
| 150         | 46793       | 2146         | -67        | .          | 10                | 0.3             | 44                 | 5.0              | 53                | 90.1            | 36                 | 4.3              | 0                 | 0.0             | 0                  | 0.0              | 8                 | 0.1             | 0                  | 0.0              |
| 100         | 54596       | 1513         | -75        | .          | 0                 | 0.0             | 45                 | 2.7              | 53                | 93.8            | 43                 | 3.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61462       | 958          | -69        | .          | 25                | 0.1             | 27                 | 1.4              | 45                | 96.2            | 35                 | 1.9              | 21                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68111       | 604          | -62        | .          | 0                 | 0.0             | 29                 | 1.9              | 43                | 92.0            | 36                 | 5.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78678       | 434          | -54        | .          | 0                 | 0.0             | 29                 | 2.7              | 46                | 90.4            | 40                 | 6.6              | 9                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87402       | 521          | -49        | .          | 0                 | 0.0             | 17                 | 1.2              | 23                | 48.0            | 19                 | 0.5              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102415      | 530          | -41        | .          | 0                 | 0.0             | 35                 | 2.5              | 47                | 96.1            | 38                 | 1.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude=12.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 23         | 0                 | 0.0             | 4                  | 0.3              | 0                 | 0.0             | 7                  | 2.2              | 10                | 20.3            | 12                 | 56.4             | 13                | 20.3            | 17                 | 0.3              |
| 1000        | 75          | -289         | 34         | 26         | 0                 | 0.0             | 7                  | 0.1              | 0                 | 0.0             | 8                  | 2.4              | 11                | 21.3            | 13                 | 49.1             | 14                | 25.2            | 11                 | 1.6              |
| 850         | 4809        | 29           | 26         | 17         | 5                 | 0.4             | 0                  | 0.0              | 10                | 0.3             | 11                 | 0.3              | 10                | 4.5             | 13                 | 35.0             | 15                | 52.3            | 14                 | 6.7              |
| 700         | 10307       | 425          | 13         | 7          | 10                | 38.6            | 10                 | 19.5             | 8                 | 3.8             | 5                  | 1.6              | 6                 | 1.2             | 4                  | 3.8              | 8                 | 8.7             | 9                  | 21.9             |
| 500         | 19276       | 987          | -6         | -12        | 12                | 11.4            | 18                 | 71.8             | 17                | 12.7            | 10                 | 0.6              | 3                 | 0.3             | 3                  | 0.1              | 8                 | 0.9             | 8                  | 1.2              |
| 400         | 24907       | 1333         | -16        | -25        | 10                | 4.8             | 16                 | 33.7             | 18                | 52.6            | 9                  | 4.0              | 6                 | 1.2             | 7                  | 1.7              | 7                 | 0.8             | 7                  | 0.8              |
| 300         | 31832       | 1767         | -31        | -41        | 15                | 1.2             | 19                 | 13.5             | 27                | 79.7            | 14                 | 3.8              | 8                 | 0.4             | 0                  | 0.0              | 7                 | 0.4             | 5                  | 0.4              |
| 250         | 35990       | 1991         | -41        | .          | 17                | 1.4             | 25                 | 11.7             | 34                | 82.5            | 19                 | 2.5              | 13                | 0.3             | 0                  | 0.0              | 9                 | 0.4             | 10                 | 0.8              |
| 200         | 40863       | 2201         | -53        | .          | 16                | 0.6             | 29                 | 6.3              | 43                | 89.8            | 30                 | 2.4              | 7                 | 0.3             | 16                 | 0.1              | 0                 | 0.0             | 20                 | 0.3              |
| 150         | 46789       | 2142         | -66        | .          | 10                | 0.3             | 53                 | 11.1             | 54                | 84.4            | 44                 | 3.8              | 15                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54596       | 1513         | -75        | .          | 30                | 0.1             | 49                 | 6.7              | 54                | 89.9            | 51                 | 3.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61454       | 950          | -70        | .          | 21                | 0.1             | 29                 | 2.1              | 46                | 96.7            | 26                 | 0.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68092       | 585          | -63        | .          | 0                 | 0.0             | 30                 | 2.1              | 45                | 95.1            | 42                 | 2.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78653       | 409          | -54        | .          | 0                 | 0.0             | 31                 | 3.2              | 47                | 95.7            | 34                 | 0.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87382       | 501          | -49        | .          | 0                 | 0.0             | 20                 | 2.2              | 24                | 47.2            | 16                 | 0.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102412      | 527          | -41        | .          | 0                 | 0.0             | 41                 | 4.5              | 48                | 94.5            | 33                 | 0.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude=12.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | SE    | E    | SE    | S    | SW    | W   | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|-----|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) |
| SFC  |        |      | 31  | 23  | 0     | 0.0  | 0     | 0.0  | 3     | 0.9  | 2     | 0.3 | 17    |
| 1000 | 44     | -320 | 33  | 24  | 5     | 0.1  | 3     | 0.1  | 5     | 0.3  | 2     | 0.1 | 20    |
| 850  | 4808   | 28   | 26  | 14  | 4     | 0.3  | 2     | 0.1  | 0     | 0.0  | 0     | 0.0 | 21    |
| 700  | 10299  | 417  | 13  | 6   | 10    | 36.8 | 12    | 19.0 | 6     | 1.7  | 5     | 0.1 | 8     |
| 500  | 19257  | 968  | -5  | -14 | 13    | 19.2 | 18    | 64.7 | 13    | 8.5  | 8     | 0.9 | 4     |
| 400  | 24894  | 1320 | -16 | -26 | 9     | 5.9  | 16    | 38.6 | 19    | 46.5 | 10    | 2.7 | 7     |
| 300  | 31827  | 1762 | -31 | -41 | 8     | 0.8  | 20    | 17.6 | 29    | 77.8 | 14    | 2.7 | 5     |
| 250  | 35982  | 1983 | -41 |     | 17    | 0.3  | 25    | 12.2 | 36    | 84.1 | 18    | 2.1 | 5     |
| 200  | 40858  | 2196 | -52 |     | 8     | 0.1  | 35    | 5.8  | 44    | 92.3 | 30    | 1.2 | 0     |
| 150  | 46788  | 2141 | -66 |     | 15    | 0.1  | 44    | 8.7  | 55    | 88.3 | 54    | 2.5 | 0     |
| 100  | 54595  | 1512 | -75 |     | 0     | 0.0  | 42    | 4.5  | 56    | 92.5 | 52    | 2.9 | 0     |
| 70   | 61455  | 951  | -69 |     | 0     | 0.0  | 28    | 2.9  | 48    | 96.2 | 22    | 0.8 | 0     |
| 50   | 68089  | 582  | -63 |     | 0     | 0.0  | 36    | 2.7  | 47    | 94.9 | 36    | 2.2 | 0     |
| 30   | 78650  | 406  | -54 |     | 0     | 0.0  | 40    | 4.8  | 49    | 94.3 | 37    | 0.8 | 0     |
| 20   | 87375  | 494  | -49 |     | 0     | 0.0  | 22    | 1.5  | 24    | 47.5 | 20    | 0.7 | 0     |
| 10   | 102413 | 528  | -41 |     | 0     | 0.0  | 44    | 3.2  | 48    | 95.1 | 40    | 1.6 | 0     |

JUL Latitude=12.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | SE    | E    | SE    | S    | SW    | W   | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|-----|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) |
| SFC  |        |      | 31  | 22  | 4     | 1.6  | 0     | 0.0  | 8     | 0.3  | 6     | 0.9 | 13    |
| 1000 | 57     | -307 | 33  | 22  | 8     | 0.9  | 3     | 0.3  | 11    | 0.1  | 7     | 1.4 | 17    |
| 850  | 4817   | 37   | 25  | 14  | 5     | 0.3  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0 | 14    |
| 700  | 10288  | 406  | 12  | 7   | 10    | 24.7 | 10    | 6.6  | 11    | 0.3  | 4     | 0.4 | 19    |
| 500  | 19239  | 950  | -5  | -14 | 12    | 21.0 | 17    | 55.0 | 13    | 10.0 | 5     | 0.3 | 12    |
| 400  | 24882  | 1308 | -16 | -25 | 9     | 7.5  | 16    | 36.8 | 18    | 45.3 | 8     | 0.1 | 8     |
| 300  | 31822  | 1757 | -31 | -41 | 10    | 1.9  | 20    | 16.6 | 28    | 78.3 | 19    | 2.7 | 10    |
| 250  | 35980  | 1981 | -40 |     | 8     | 0.6  | 25    | 11.7 | 35    | 84.9 | 22    | 2.2 | 9     |
| 200  | 40857  | 2195 | -52 |     | 0     | 0.0  | 30    | 5.1  | 45    | 92.8 | 35    | 1.7 | 0     |
| 150  | 46787  | 2140 | -66 |     | 0     | 0.0  | 40    | 1.9  | 57    | 94.8 | 50    | 3.2 | 0     |
| 100  | 54593  | 1510 | -75 |     | 0     | 0.0  | 38    | 1.4  | 58    | 96.1 | 50    | 2.4 | 0     |
| 70   | 61458  | 954  | -69 |     | 0     | 0.0  | 32    | 2.5  | 48    | 96.4 | 35    | 0.9 | 0     |
| 50   | 68098  | 591  | -63 |     | 0     | 0.0  | 42    | 3.0  | 48    | 94.8 | 42    | 2.1 | 0     |
| 30   | 78658  | 414  | -54 |     | 0     | 0.0  | 43    | 2.9  | 50    | 95.9 | 38    | 1.1 | 0     |
| 20   | 87383  | 502  | -49 |     | 0     | 0.0  | 21    | 1.5  | 24    | 47.8 | 20    | 0.4 | 0     |
| 10   | 102419 | 534  | -41 |     | 0     | 0.0  | 43    | 3.2  | 48    | 95.8 | 41    | 0.9 | 0     |

JUL Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 28         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 22                | 75.8            | 21                 | 24.1             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 105         | -259         | 29         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 0.4              | 25                | 67.6            | 25                 | 31.8             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4823        | 43           | 23         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 23                 | 21.6             | 23                | 21.6            | 9                  | 0.1              |
| 700         | 10272       | 390          | 11         | 8          | 9                 | 10.5            | 10                 | 1.9              | 7                 | 0.4             | 0                  | 0.0              | 17                | 0.1             | 13                 | 3.0              | 15                | 47.9            | 12                 | 35.8             |
| 500         | 19225       | 936          | -4         | -14        | 10                | 23.9            | 14                 | 43.4             | 12                | 11.9            | 6                  | 1.1              | 6                 | 1.4             | 6                  | 0.4              | 13                | 6.7             | 9                  | 10.3             |
| 400         | 24875       | 1301         | -16        | -26        | 8                 | 7.7             | 15                 | 29.5             | 17                | 48.9            | 10                 | 4.2              | 7                 | 1.4             | 10                 | 1.7              | 10                | 3.5             | 8                  | 2.2              |
| 300         | 31815       | 1750         | -31        | -41        | 10                | 1.1             | 18                 | 11.1             | 27                | 83.6            | 16                 | 3.5              | 8                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.1              |
| 250         | 35974       | 1975         | -40        | .          | 14                | 0.1             | 23                 | 8.2              | 35                | 88.5            | 23                 | 3.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 200         | 40851       | 2189         | -52        | .          | 13                | 0.1             | 27                 | 2.2              | 46                | 95.7            | 39                 | 1.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46779       | 2132         | -66        | .          | 0                 | 0.0             | 30                 | 0.6              | 60                | 97.8            | 64                 | 1.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54585       | 1502         | -75        | .          | 0                 | 0.0             | 41                 | 0.3              | 60                | 98.0            | 43                 | 1.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61455       | 951          | -69        | .          | 5                 | 0.1             | 35                 | 1.6              | 49                | 97.4            | 32                 | 0.8              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68098       | 591          | -63        | .          | 0                 | 0.0             | 47                 | 2.7              | 49                | 95.7            | 43                 | 1.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78657       | 413          | -54        | .          | 0                 | 0.0             | 47                 | 2.5              | 50                | 96.1            | 38                 | 1.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87377       | 496          | -49        | .          | 0                 | 0.0             | 19                 | 1.8              | 24                | 47.3            | 19                 | 0.5              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102405      | 520          | -41        | .          | 0                 | 0.0             | 39                 | 3.8              | 48                | 94.8            | 39                 | 1.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

AUG Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 24         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 1.6              | 9                 | 73.2            | 8                  | 24.5             | 9                 | 0.6             | 0                  | 0.0              |
| 1000        | 326         | -38          | 30         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 1.1              | 13                | 59.6            | 14                 | 38.8             | 13                | 0.3             | 0                  | 0.0              |
| 850         | 4921        | 141          | 21         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 15                 | 0.1              | 17                | 55.6            | 19                 | 44.1             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10332       | 450          | 10         | 5          | 4                 | 3.2             | 4                  | 0.6              | 5                 | 1.1             | 4                  | 0.6              | 7                 | 4.8             | 12                 | 35.1             | 11                | 39.3            | 10                 | 14.8             |
| 500         | 19254       | 965          | -6         | -15        | 10                | 9.0             | 15                 | 53.0             | 13                | 29.3            | 10                 | 3.5              | 9                 | 0.4             | 4                  | 0.4              | 8                 | 1.4             | 11                 | 2.5              |
| 400         | 24880       | 1306         | -17        | -29        | 9                 | 3.8             | 15                 | 24.1             | 17                | 49.8            | 14                 | 16.1             | 8                 | 2.5             | 7                  | 0.4              | 7                 | 1.6             | 8                  | 1.1              |
| 300         | 31765       | 1700         | -32        | -46        | 13                | 1.9             | 20                 | 18.5             | 22                | 60.9            | 21                 | 14.3             | 10                | 2.7             | 5                  | 0.6              | 8                 | 0.1             | 5                  | 0.3              |
| 250         | 35914       | 1915         | -42        | .          | 25                | 0.9             | 25                 | 14.9             | 28                | 69.1            | 22                 | 12.9             | 10                | 1.6             | 7                  | 0.1              | 3                 | 0.1             | 0                  | 0.0              |
| 200         | 40767       | 2105         | -54        | .          | 26                | 0.6             | 31                 | 11.1             | 35                | 80.9            | 26                 | 7.0              | 14                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46662       | 2015         | -67        | .          | 0                 | 0.0             | 34                 | 9.9              | 44                | 85.8            | 36                 | 3.8              | 11                | 0.1             | 6                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54464       | 1381         | -74        | .          | 3                 | 0.1             | 29                 | 8.5              | 39                | 86.4            | 34                 | 4.5              | 12                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61362       | 858          | -68        | .          | 9                 | 0.9             | 20                 | 6.2              | 34                | 85.6            | 29                 | 5.8              | 5                 | 0.4             | 9                  | 0.1              | 7                 | 0.3             | 10                 | 0.3              |
| 50          | 68045       | 538          | -62        | .          | 12                | 0.9             | 23                 | 6.9              | 35                | 78.3            | 30                 | 12.7             | 7                 | 0.3             | 0                  | 0.0              | 10                | 0.1             | 7                  | 0.4              |
| 30          | 78594       | 350          | -55        | .          | 18                | 1.1             | 27                 | 9.1              | 40                | 71.4            | 31                 | 15.6             | 17                | 1.6             | 13                 | 0.3              | 10                | 0.6             | 0                  | 0.0              |
| 20          | 87299       | 418          | -50        | .          | 8                 | 2.3             | 11                 | 7.3              | 22                | 32.6            | 8                  | 3.3              | 7                 | 1.0             | 3                  | 0.4              | 3                 | 0.7             | 6                  | 1.5              |
| 10          | 102206      | 321          | -41        | .          | 16                | 4.8             | 22                 | 14.8             | 44                | 65.4            | 17                 | 6.7              | 14                | 2.2             | 6                  | 0.9              | 7                 | 1.6             | 13                 | 3.2              |

AUG Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 6.4             | 16                 | 93.2             | 10                | 0.3             | 0                  | 0.0              |
| 1000        | 306         | -58          | 30         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 18                | 15.6            | 20                 | 84.1             | 12                | 0.1             | 0                  | 0.0              |
| 850         | 4922        | 142          | 20         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 7.5             | 28                 | 92.4             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10321       | 439          | 10         | 4          | 4                 | 0.6             | 0                  | 0.0              | 3                 | 0.1             | 3                  | 0.0              | 10                | 1.6             | 17                 | 30.8             | 16                | 59.6            | 13                 | 6.9              |
| 500         | 19251       | 962          | -6         | -15        | 11                | 17.7            | 14                 | 47.4             | 11                | 19.6            | 9                  | 4.8              | 8                 | 1.1             | 7                  | 1.9              | 8                 | 2.4             | 8                  | 4.6              |
| 400         | 24870       | 1296         | -16        | -28        | 9                 | 4.6             | 14                 | 31.4             | 16                | 40.9            | 12                 | 14.1             | 8                 | 2.7             | 8                  | 1.2              | 7                 | 2.0             | 7                  | 2.4              |
| 300         | 31765       | 1700         | -32        | -45        | 11                | 2.0             | 19                 | 16.4             | 22                | 66.6            | 18                 | 11.2             | 9                 | 1.7             | 5                  | 1.2              | 4                 | 0.3             | 11                 | 0.1              |
| 250         | 35912       | 1913         | -42        | .          | 17                | 0.6             | 24                 | 12.9             | 28                | 75.1            | 20                 | 9.3              | 10                | 1.6             | 6                  | 0.1              | 3                 | 0.1             | 0                  | 0.0              |
| 200         | 40765       | 2103         | -54        | .          | 0                 | 0.0             | 31                 | 8.7              | 36                | 85.1            | 25                 | 5.9              | 8                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46659       | 2012         | -67        | .          | 0                 | 0.0             | 33                 | 9.8              | 46                | 86.6            | 35                 | 3.3              | 0                 | 0.0             | 4                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54461       | 1378         | -74        | .          | 0                 | 0.0             | 31                 | 8.3              | 40                | 86.9            | 36                 | 4.3              | 17                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61365       | 861          | -68        | .          | 10                | 0.8             | 20                 | 6.4              | 34                | 87.7            | 28                 | 3.3              | 8                 | 0.6             | 4                  | 0.1              | 9                 | 0.4             | 8                  | 0.3              |
| 50          | 68048       | 541          | -62        | .          | 9                 | 0.8             | 21                 | 7.9              | 36                | 82.5            | 26                 | 8.2              | 0                 | 0.0             | 11                 | 0.1              | 0                 | 0.0             | 13                 | 0.1              |
| 30          | 78601       | 357          | -54        | .          | 17                | 0.9             | 27                 | 9.1              | 40                | 73.8            | 29                 | 13.0             | 9                 | 1.2             | 10                 | 0.9              | 11                | 0.4             | 2                  | 0.1              |
| 20          | 87302       | 421          | -50        | .          | 8                 | 2.5             | 11                 | 6.7              | 22                | 32.6            | 8                  | 4.0              | 5                 | 0.7             | 3                  | 0.7              | 4                 | 0.7             | 6                  | 1.4              |
| 10          | 102215      | 330          | -42        | .          | 16                | 5.1             | 23                 | 13.5             | 45                | 65.4            | 16                 | 8.0              | 10                | 1.6             | 7                  | 1.6              | 9                 | 1.6             | 13                 | 2.9              |

AUG Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 13                | 15.8            | 16                 | 84.1             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 282         | -82          | 30         | 18         | 31                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 18                | 12.5            | 21                 | 87.2             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4920        | 140          | 20         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 0.4             | 30                 | 98.8             | 26                | 0.6             | 0                  | 0.0              |
| 700         | 10317       | 435          | 10         | 4          | 6                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 11                | 0.4             | 20                 | 22.4             | 19                | 72.9            | 15                 | 4.0              |
| 500         | 19240       | 951          | -6         | -14        | 11                | 20.3            | 12                 | 39.8             | 10                | 12.4            | 8                  | 4.9              | 8                 | 2.9             | 7                  | 3.2              | 10                | 5.1             | 9                  | 10.4             |
| 400         | 24864       | 1290         | -16        | -29        | 8                 | 8.3             | 13                 | 31.4             | 15                | 34.0            | 10                 | 12.0             | 6                 | 3.3             | 7                  | 2.4              | 9                 | 2.5             | 7                  | 5.1              |
| 300         | 31765       | 1700         | -32        | -44        | 10                | 1.6             | 16                 | 17.4             | 22                | 68.7            | 15                 | 8.3              | 6                 | 1.1             | 7                  | 1.2              | 7                 | 0.9             | 8                  | 0.4              |
| 250         | 35910       | 1911         | -42        | .          | 9                 | 0.8             | 22                 | 10.9             | 28                | 79.3            | 21                 | 7.2              | 9                 | 0.8             | 5                  | 0.3              | 0                 | 0.0             | 7                  | 0.3              |
| 200         | 40764       | 2102         | -54        | .          | 12                | 0.1             | 34                 | 7.7              | 36                | 87.5            | 25                 | 4.3              | 13                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46658       | 2011         | -67        | .          | 0                 | 0.0             | 31                 | 8.2              | 47                | 88.3            | 39                 | 3.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54463       | 1380         | -74        | .          | 29                | 0.1             | 28                 | 6.9              | 41                | 86.4            | 41                 | 6.2              | 18                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61368       | 864          | -68        | .          | 9                 | 1.1             | 22                 | 6.9              | 34                | 87.2            | 23                 | 3.0              | 6                 | 0.4             | 0                  | 0.0              | 5                 | 0.4             | 7                  | 0.6              |
| 50          | 68047       | 540          | -62        | .          | 12                | 0.8             | 23                 | 6.6              | 36                | 86.2            | 23                 | 5.6              | 11                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 6                  | 0.3              |
| 30          | 78604       | 360          | -54        | .          | 12                | 1.2             | 27                 | 8.7              | 39                | 77.0            | 25                 | 9.8              | 8                 | 1.9             | 11                 | 0.6              | 6                 | 0.4             | 0                  | 0.0              |
| 20          | 87309       | 428          | -50        | .          | 7                 | 2.0             | 11                 | 5.7              | 22                | 33.5            | 8                  | 4.6              | 4                 | 0.7             | 4                  | 0.4              | 6                 | 0.7             | 5                  | 1.7              |
| 10          | 102228      | 343          | -42        | .          | 15                | 4.1             | 22                 | 11.6             | 44                | 67.0            | 17                 | 9.3              | 9                 | 1.6             | 9                  | 0.9              | 11                | 1.6             | 11                 | 3.5              |

AUG Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 24.8            | 26                 | 75.1             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 263         | -101         | 27         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 28                | 14.9            | 27                 | 84.9             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4907        | 127          | 19         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 27                | 0.8             | 37                 | 95.6             | 32                | 3.5             | 0                  | 0.0              |
| 700         | 10308       | 426          | 11         | 2          | 9                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 8                 | 0.3             | 22                 | 16.9             | 20                | 76.2            | 16                 | 6.2              |
| 500         | 19229       | 940          | -6         | -15        | 10                | 25.6            | 10                 | 27.4             | 9                 | 8.0             | 8                  | 3.2              | 6                 | 2.0             | 9                  | 5.8              | 10                | 10.9            | 9                  | 16.2             |
| 400         | 24859       | 1285         | -16        | -29        | 8                 | 9.8             | 13                 | 26.6             | 14                | 31.2            | 9                  | 10.3             | 8                 | 4.1             | 8                  | 2.7              | 8                 | 6.6             | 7                  | 7.7              |
| 300         | 31770       | 1705         | -32        | -44        | 8                 | 2.2             | 15                 | 15.3             | 21                | 71.6            | 13                 | 6.4              | 9                 | 1.1             | 7                  | 1.4              | 12                | 0.3             | 9                  | 1.1              |
| 250         | 35911       | 1912         | -41        | .          | 5                 | 0.4             | 22                 | 11.4             | 28                | 77.7            | 22                 | 8.0              | 8                 | 0.6             | 3                  | 0.3              | 2                 | 0.1             | 8                  | 0.9              |
| 200         | 40764       | 2102         | -54        | .          | 19                | 0.1             | 31                 | 8.0              | 36                | 87.2            | 28                 | 4.3              | 20                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46657       | 2010         | -67        | .          | 18                | 0.3             | 29                 | 5.4              | 48                | 90.4            | 37                 | 3.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54463       | 1380         | -74        | .          | 25                | 0.1             | 27                 | 4.9              | 43                | 89.0            | 41                 | 5.8              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61371       | 867          | -68        | .          | 10                | 1.1             | 21                 | 7.4              | 35                | 85.6            | 21                 | 4.3              | 5                 | 0.1             | 0                  | 0.0              | 10                | 0.8             | 15                 | 0.3              |
| 50          | 68045       | 538          | -62        | .          | 11                | 0.6             | 24                 | 6.9              | 35                | 87.0            | 19                 | 4.6              | 12                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.3              |
| 30          | 78599       | 355          | -54        | .          | 7                 | 1.2             | 26                 | 6.9              | 38                | 80.9            | 19                 | 7.9              | 13                | 1.2             | 5                  | 0.6              | 4                 | 0.4             | 8                  | 0.3              |
| 20          | 87300       | 419          | -50        | .          | 6                 | 0.7             | 8                  | 4.5              | 22                | 35.4            | 9                  | 4.5              | 5                 | 1.4             | 5                  | 0.9              | 5                 | 1.0             | 7                  | 0.9              |
| 10          | 102229      | 344          | -42        | .          | 13                | 1.6             | 16                 | 9.0              | 44                | 70.9            | 17                 | 9.0              | 11                | 2.9             | 10                 | 1.9              | 10                | 2.2             | 14                 | 1.9              |

AUG Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 24                | 4.8             | 26                 | 95.1             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 273         | -91          | 25         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 24                | 2.7             | 30                 | 97.0             | 13                | 0.1             | 0                  | 0.0              |
| 850         | 4908        | 128          | 19         | 8          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 1.1             | 38                 | 95.1             | 34                | 3.7             | 0                  | 0.0              |
| 700         | 10302       | 420          | 10         | 2          | 8                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 13                | 0.1             | 21                 | 13.2             | 21                | 81.6            | 16                 | 4.6              |
| 500         | 19220       | 931          | -5         | -15        | 9                 | 18.2            | 9                  | 19.6             | 9                 | 7.7             | 7                  | 3.7              | 4                 | 2.2             | 9                  | 7.7              | 11                | 21.1            | 10                 | 18.8             |
| 400         | 24857       | 1283         | -16        | -29        | 7                 | 11.1            | 11                 | 20.6             | 14                | 28.0            | 8                  | 10.9             | 6                 | 4.9             | 9                  | 5.4              | 9                 | 9.5             | 7                  | 8.3              |
| 300         | 31773       | 1708         | -32        | -44        | 7                 | 1.9             | 14                 | 15.1             | 20                | 68.5            | 13                 | 8.3              | 9                 | 2.2             | 6                  | 0.9              | 9                 | 1.1             | 9                  | 1.4              |
| 250         | 35912       | 1913         | -41        | .          | 12                | 0.8             | 22                 | 11.7             | 28                | 78.2            | 21                 | 6.9              | 8                 | 0.9             | 10                 | 0.4              | 0                 | 0.0             | 8                  | 0.6              |
| 200         | 40762       | 2100         | -54        | .          | 14                | 0.3             | 30                 | 7.4              | 37                | 87.4            | 29                 | 4.8              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46652       | 2005         | -67        | .          | 12                | 0.1             | 26                 | 2.0              | 50                | 92.2            | 34                 | 5.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54457       | 1374         | -74        | .          | 0                 | 0.0             | 27                 | 2.4              | 44                | 90.1            | 41                 | 7.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61368       | 864          | -68        | .          | 10                | 0.6             | 24                 | 7.4              | 34                | 85.4            | 18                 | 4.5              | 7                 | 0.6             | 10                 | 0.1              | 19                | 0.4             | 15                 | 0.4              |
| 50          | 68046       | 539          | -62        | .          | 7                 | 0.1             | 25                 | 8.2              | 35                | 83.5            | 17                 | 6.9              | 11                | 0.8             | 0                  | 0.0              | 4                 | 0.1             | 4                  | 0.1              |
| 30          | 78600       | 356          | -54        | .          | 11                | 0.6             | 23                 | 8.5              | 38                | 78.7            | 18                 | 8.0              | 8                 | 1.9             | 11                 | 0.3              | 5                 | 0.8             | 6                  | 0.8              |
| 20          | 87301       | 420          | -50        | .          | 5                 | 0.4             | 8                  | 3.0              | 22                | 35.4            | 8                  | 5.4              | 5                 | 2.2             | 6                  | 1.2              | 6                 | 0.5             | 5                  | 1.2              |
| 10          | 102223      | 338          | -42        | .          | 10                | 0.9             | 15                 | 6.1              | 44                | 70.9            | 17                 | 10.9             | 10                | 4.5             | 13                 | 2.5              | 12                | 1.2             | 11                 | 2.5              |

AUG Latitude=10.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 16         | 3                 | 1.9             | 6                  | 0.3              | 5                 | 0.6             | 3                  | 0.9              | 7                 | 35.4            | 6                  | 35.8             | 5                 | 17.4            | 6                  | 6.1              |
| 1000        | 259         | -105         | 32         | 25         | 4                 | 1.1             | 0                  | 0.0              | 6                 | 0.6             | 5                  | 2.0              | 10                | 34.0            | 9                  | 43.5             | 8                 | 13.2            | 7                  | 4.5              |
| 850         | 4867        | 87           | 24         | 16         | 5                 | 0.8             | 0                  | 0.0              | 5                 | 0.4             | 5                  | 1.1              | 12                | 25.3            | 12                 | 53.2             | 9                 | 14.6            | 8                  | 3.8              |
| 700         | 10327       | 445          | 12         | 7          | 10                | 22.2            | 7                  | 9.0              | 6                 | 4.9             | 5                  | 3.2              | 8                 | 4.6             | 9                  | 9.3              | 9                 | 14.3            | 10                 | 31.4             |
| 500         | 19267       | 978          | -6         | -13        | 9                 | 3.8             | 17                 | 53.0             | 17                | 39.1            | 10                 | 1.7              | 8                 | 0.3             | 6                  | 0.1              | 6                 | 0.4             | 8                  | 1.1              |
| 400         | 24899       | 1325         | -16        | -26        | 11                | 1.1             | 17                 | 30.1             | 18                | 58.8            | 15                 | 6.4              | 9                 | 2.2             | 5                  | 0.1              | 4                 | 0.3             | 9                  | 0.3              |
| 300         | 31791       | 1726         | -31        | -42        | 22                | 1.4             | 22                 | 14.0             | 24                | 71.1            | 20                 | 11.4             | 10                | 1.1             | 4                  | 0.1              | 2                 | 0.1             | 9                  | 0.3              |
| 250         | 35952       | 1953         | -41        | .          | 24                | 0.4             | 25                 | 11.7             | 31                | 76.6            | 23                 | 9.8              | 7                 | 0.8             | 9                  | 0.3              | 0                 | 0.0             | 7                  | 0.1              |
| 200         | 40819       | 2157         | -53        | .          | 31                | 0.3             | 32                 | 9.0              | 39                | 85.3            | 28                 | 4.9              | 0                 | 0.0             | 12                 | 0.1              | 0                 | 0.0             | 5                  | 0.1              |
| 150         | 46729       | 2082         | -67        | .          | 31                | 0.1             | 39                 | 4.8              | 47                | 90.1            | 39                 | 4.6              | 10                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54517       | 1434         | -75        | .          | 0                 | 0.0             | 38                 | 4.9              | 45                | 89.1            | 39                 | 5.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 1                  | 0.1              |
| 70          | 61407       | 903          | -68        | .          | 3                 | 0.1             | 24                 | 4.5              | 40                | 92.4            | 41                 | 2.7              | 7                 | 0.1             | 0                  | 0.0              | 2                 | 0.1             | 0                  | 0.0              |
| 50          | 68086       | 579          | -62        | .          | 12                | 0.1             | 27                 | 5.1              | 40                | 87.0            | 39                 | 7.2              | 2                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78634       | 390          | -54        | .          | 17                | 0.3             | 28                 | 6.2              | 42                | 79.9            | 38                 | 12.9             | 6                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87340       | 459          | -50        | .          | 8                 | 1.0             | 11                 | 5.9              | 21                | 39.0            | 12                 | 2.3              | 10                | 0.5             | 2                  | 0.4              | 0                 | 0.0             | 2                  | 0.2              |
| 10          | 102263      | 378          | -42        | .          | 16                | 2.2             | 22                 | 11.9             | 43                | 78.0            | 24                 | 4.8              | 20                | 1.2             | 5                  | 0.9              | 0                 | 0.0             | 4                  | 0.6              |

AUG Latitude=10.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 13                | 36.4            | 11                 | 60.6             | 10                | 2.9             | 0                  | 0.0              |
| 1000        | 188         | -176         | 33         | 21         | 3                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.6              | 17                | 24.1            | 15                 | 68.5             | 11                | 6.1             | 3                  | 0.1              |
| 850         | 4857        | 77           | 24         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.1              | 20                | 8.5             | 21                 | 85.3             | 18                | 5.8             | 13                 | 0.1              |
| 700         | 10318       | 436          | 12         | 7          | 8                 | 7.0             | 6                  | 2.2              | 5                 | 1.2             | 3                  | 1.9              | 9                 | 5.1             | 10                 | 14.0             | 11                | 36.4            | 10                 | 30.8             |
| 500         | 19260       | 971          | -6         | -14        | 12                | 9.5             | 17                 | 66.1             | 15                | 19.0            | 7                  | 1.4              | 6                 | 0.6             | 6                  | 0.6              | 7                 | 0.6             | 7                  | 1.9              |
| 400         | 24887       | 1313         | -16        | -27        | 10                | 3.7             | 17                 | 40.3             | 18                | 44.3            | 11                 | 6.9              | 13                | 1.4             | 6                  | 0.9              | 4                 | 0.6             | 5                  | 1.1              |
| 300         | 31791       | 1726         | -31        | -42        | 17                | 1.9             | 21                 | 16.1             | 25                | 72.2            | 16                 | 7.9              | 8                 | 0.9             | 6                  | 0.1              | 4                 | 0.3             | 5                  | 0.1              |
| 250         | 35946       | 1947         | -41        | .          | 24                | 0.6             | 25                 | 10.4             | 32                | 79.9            | 22                 | 7.7              | 10                | 0.8             | 2                  | 0.1              | 0                 | 0.0             | 1                  | 0.1              |
| 200         | 40811       | 2149         | -53        | .          | 20                | 0.3             | 33                 | 7.7              | 40                | 87.2            | 29                 | 4.3              | 18                | 0.1             | 0                  | 0.0              | 4                 | 0.1             | 0                  | 0.0              |
| 150         | 46718       | 2071         | -67        | .          | 0                 | 0.0             | 41                 | 5.9              | 48                | 90.6            | 43                 | 3.2              | 8                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54512       | 1429         | -74        | .          | 0                 | 0.0             | 37                 | 5.6              | 46                | 89.3            | 44                 | 4.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61406       | 902          | -68        | .          | 0                 | 0.0             | 25                 | 3.7              | 40                | 94.3            | 37                 | 1.7              | 4                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68079       | 572          | -62        | .          | 0                 | 0.0             | 30                 | 4.3              | 40                | 92.4            | 37                 | 3.0              | 12                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78628       | 384          | -54        | .          | 11                | 0.1             | 28                 | 6.7              | 42                | 83.3            | 35                 | 9.3              | 11                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87329       | 448          | -50        | .          | 7                 | 1.0             | 11                 | 4.9              | 21                | 40.1            | 13                 | 2.6              | 6                 | 0.4             | 3                  | 0.2              | 0                 | 0.0             | 3                  | 0.1              |
| 10          | 102256      | 371          | -42        | .          | 14                | 2.2             | 23                 | 9.9              | 43                | 80.3            | 26                 | 5.4              | 13                | 0.9             | 6                  | 0.6              | 0                 | 0.0             | 7                  | 0.3              |

| AUG Latitude=10.00 Longitude= 47.50 |             |              |            |            |              |            |              |            |              |            |              |            |              |            |              |            |              |            |              |            |
|-------------------------------------|-------------|--------------|------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
| LVL                                 | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N            |            | NE           |            | E            |            | SE           |            | S            |            | SW           |            | W            |            | NW           |            |
|                                     |             |              |            |            | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) |
| SFC                                 |             |              | 26         | 13         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 15           | 17.4       | 16           | 82.2       | 14           | 0.3        | 0            | 0.0        |
| 1000                                | 227         | -137         | 33         | 20         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 20           | 13.2       | 19           | 84.3       | 18           | 2.0        | 19           | 0.3        |
| 850                                 | 4862        | 82           | 24         | 13         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 29           | 5.4        | 26           | 92.2       | 23           | 2.2        | 0            | 0.0        |
| 700                                 | 10309       | 427          | 11         | 7          | 8            | 3.8        | 7            | 0.8        | 0            | 0.0        | 0            | 0.0        | 15           | 0.3        | 15           | 21.4       | 16           | 54.3       | 12           | 19.0       |
| 500                                 | 19252       | 963          | -6         | -13        | 13           | 18.2       | 16           | 60.9       | 13           | 13.0       | 7            | 0.9        | 5            | 0.6        | 7            | 1.2        | 8            | 1.7        | 9            | 3.0        |
| 400                                 | 24880       | 1306         | -16        | -26        | 8            | 5.9        | 15           | 42.2       | 17           | 40.4       | 10           | 4.0        | 9            | 2.2        | 9            | 0.4        | 7            | 1.2        | 5            | 2.7        |
| 300                                 | 31781       | 1716         | -31        | -42        | 10           | 0.8        | 18           | 16.6       | 25           | 75.1       | 16           | 6.1        | 10           | 0.6        | 7            | 0.1        | 7            | 0.1        | 6            | 0.3        |
| 250                                 | 35943       | 1944         | -41        | .          | 15           | 0.6        | 23           | 6.9        | 32           | 86.6       | 21           | 5.6        | 0            | 0.0        | 0            | 0.0        | 3            | 0.1        | 0            | 0.0        |
| 200                                 | 40811       | 2149         | -53        | .          | 18           | 0.3        | 36           | 4.6        | 40           | 91.1       | 30           | 3.8        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        |
| 150                                 | 46720       | 2073         | -67        | .          | 0            | 0.0        | 37           | 5.8        | 49           | 90.6       | 44           | 3.5        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        |
| 100                                 | 54510       | 1427         | -74        | .          | 35           | 0.1        | 36           | 3.8        | 47           | 91.2       | 47           | 4.6        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        |
| 70                                  | 61404       | 900          | -68        | .          | 0            | 0.0        | 29           | 4.9        | 40           | 93.7       | 34           | 1.2        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        |
| 50                                  | 68078       | 571          | -62        | .          | 0            | 0.0        | 32           | 3.3        | 41           | 94.5       | 37           | 2.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        |
| 30                                  | 78629       | 385          | -54        | .          | 6            | 0.1        | 30           | 5.4        | 41           | 88.2       | 30           | 5.9        | 0            | 0.1        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        |
| 20                                  | 87334       | 453          | -50        | .          | 5            | 0.9        | 11           | 4.0        | 21           | 41.8       | 10           | 2.5        | 2            | 0.1        | 6            | 0.1        | 0            | 0.0        | 1            | 0.1        |
| 10                                  | 102267      | 382          | -42        | .          | 11           | 1.9        | 22           | 8.0        | 42           | 83.8       | 20           | 5.1        | 4            | 0.3        | 13           | 0.3        | 0            | 0.0        | 3            | 0.3        |

| AUG Latitude=10.00 Longitude= 50.00 |        |      |     |     |       |      |       |      |       |      |       |     |       |      |       |      |       |      |       |      |
|-------------------------------------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|-------|------|
| LVL                                 | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |     | S     |      | SW    |      | W     |      | NW    |      |
| (mb)                                | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|                                     |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC                                 | .      | .    | 30  | 15  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0 | 15    | 19.3 | 17    | 80.6 | 0     | 0.0  | 0     | 0.0  |
| 1000                                | 181    | -183 | 33  | 19  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0 | 20    | 20.8 | 22    | 79.0 | 10    | 0.1  | 0     | 0.0  |
| 850                                 | 4858   | 78   | 23  | 13  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0 | 0     | 0.0  | 31    | 92.5 | 27    | 7.4  | 0     | 0.0  |
| 700                                 | 10304  | 422  | 11  | 6   | 10    | 1.4  | 11    | 0.1  | 0     | 0.0  | 0     | 0.0 | 0     | 0.0  | 15    | 2.5  | 18    | 66.9 | 14    | 28.8 |
| 500                                 | 19237  | 948  | -5  | -13 | 11    | 23.8 | 13    | 50.0 | 12    | 9.3  | 6     | 1.2 | 6     | 0.8  | 7     | 2.2  | 10    | 3.0  | 9     | 9.1  |
| 400                                 | 24868  | 1294 | -16 | -27 | 8     | 8.2  | 14    | 36.1 | 17    | 40.6 | 10    | 3.5 | 8     | 2.0  | 6     | 1.4  | 7     | 2.5  | 8     | 4.6  |
| 300                                 | 31784  | 1719 | -31 | -42 | 8     | 0.8  | 18    | 14.8 | 25    | 79.5 | 13    | 3.8 | 7     | 0.4  | 0     | 0.0  | 0     | 0.0  | 9     | 0.4  |
| 250                                 | 35940  | 1941 | -41 | .   | 12    | 0.6  | 24    | 8.8  | 32    | 86.6 | 20    | 3.7 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 5     | 0.1  |
| 200                                 | 40808  | 2146 | -53 | .   | 11    | 0.3  | 33    | 4.8  | 41    | 92.2 | 31    | 2.5 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 150                                 | 46716  | 2069 | -67 | .   | 0     | 0.0  | 36    | 2.7  | 51    | 94.3 | 47    | 2.9 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 100                                 | 54508  | 1425 | -74 | .   | 0     | 0.0  | 35    | 2.9  | 49    | 92.5 | 50    | 4.5 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 70                                  | 61405  | 901  | -68 | .   | 0     | 0.0  | 31    | 4.3  | 40    | 94.3 | 31    | 1.2 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 50                                  | 68074  | 567  | -62 | .   | 0     | 0.0  | 35    | 4.5  | 41    | 93.8 | 34    | 1.6 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 30                                  | 78627  | 383  | -54 | .   | 8     | 0.1  | 31    | 5.9  | 41    | 89.6 | 28    | 4.0 | 20    | 0.1  | 3     | 0.2  | 0     | 0.0  | 0     | 0.0  |
| 20                                  | 87332  | 451  | -50 | .   | 6     | 0.4  | 10    | 3.6  | 21    | 42.5 | 9     | 2.6 | 3     | 0.1  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 10                                  | 102264 | 379  | -42 | .   | 12    | 0.9  | 19    | 7.4  | 42    | 85.1 | 18    | 5.4 | 5     | 0.3  | 7     | 0.6  | 0     | 0.0  | 0     | 0.0  |

AUG Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 28                | 45.1            | 29                 | 54.8             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 198         | -166         | 27         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 33                | 33.2            | 33                 | 66.7             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4866        | 86           | 21         | 11         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 36                 | 87.7             | 33                | 12.2            | 0                  | 0.0              |
| 700         | 10292       | 410          | 11         | 6          | 0                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 16                 | 3.3              | 19                | 73.8            | 15                 | 22.4             |
| 500         | 19222       | 933          | -5         | -15        | 9                 | 21.9            | 11                 | 36.6             | 10                | 9.9             | 7                  | 1.6              | 5                 | 1.6             | 8                  | 2.4              | 10                | 10.1            | 10                 | 14.9             |
| 400         | 24865       | 1291         | -16        | -28        | 8                 | 9.0             | 13                 | 28.5             | 15                | 43.8            | 9                  | 4.8              | 7                 | 2.4             | 7                  | 2.0              | 11                | 0.3             | 8                  | 5.1              |
| 300         | 31791       | 1726         | -31        | -43        | 11                | 0.6             | 18                 | 16.4             | 24                | 78.3            | 14                 | 3.7              | 9                 | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 250         | 35941       | 1942         | -41        | .          | 14                | 0.3             | 26                 | 10.4             | 32                | 85.1            | 22                 | 4.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 200         | 40805       | 2143         | -53        | .          | 18                | 0.1             | 35                 | 4.3              | 41                | 92.5            | 39                 | 2.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46711       | 2064         | -67        | .          | 0                 | 0.0             | 32                 | 1.1              | 53                | 95.1            | 48                 | 3.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54505       | 1422         | -74        | .          | 0                 | 0.0             | 31                 | 0.9              | 51                | 94.8            | 49                 | 4.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61408       | 904          | -68        | .          | 0                 | 0.0             | 35                 | 4.1              | 40                | 93.7            | 31                 | 2.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68079       | 572          | -62        | .          | 0                 | 0.0             | 37                 | 5.1              | 40                | 92.4            | 33                 | 2.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78633       | 389          | -54        | .          | 0                 | 0.0             | 28                 | 7.4              | 41                | 86.9            | 27                 | 5.4              | 14                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87334       | 453          | -50        | .          | 5                 | 0.4             | 9                  | 2.8              | 21                | 41.8            | 11                 | 3.8              | 5                 | 0.5             | 4                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102261      | 376          | -42        | .          | 11                | 0.9             | 18                 | 5.8              | 42                | 83.8            | 22                 | 7.7              | 11                | 1.2             | 9                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |

AUG Latitude=12.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 31         | 20         | 7                 | 13.5            | 6                  | 2.9              | 5                 | 2.2             | 4                  | 1.6              | 4                 | 4.1             | 5                  | 12.5             | 6                 | 19.9            | 7                  | 40.6             |
| 1000        | 120         | -244         | 34         | 26         | 9                 | 14.5            | 7                  | 4.5              | 6                 | 1.7             | 5                  | 2.5              | 6                 | 6.9             | 7                  | 17.4             | 8                 | 23.4            | 10                 | 27.7             |
| 850         | 4837        | 57           | 26         | 16         | 13                | 13.7            | 7                  | 1.4              | 5                 | 0.3             | 6                  | 1.1              | 7                 | 3.2             | 9                  | 9.8              | 9                 | 25.3            | 15                 | 44.8             |
| 700         | 10328       | 446          | 13         | 6          | 14                | 50.6            | 10                 | 24.1             | 8                 | 5.6             | 8                  | 2.7              | 5                 | 0.9             | 5                  | 1.9              | 5                 | 2.4             | 10                 | 10.9             |
| 500         | 19288       | 999          | -6         | -11        | 10                | 2.7             | 17                 | 53.3             | 17                | 40.3            | 11                 | 2.4              | 6                 | 0.6             | 4                  | 0.1              | 3                 | 0.1             | 6                  | 0.1              |
| 400         | 24916       | 1342         | -16        | -25        | 11                | 0.9             | 16                 | 28.3             | 18                | 61.1            | 11                 | 6.6              | 8                 | 1.9             | 5                  | 0.4              | 1                 | 0.3             | 0                  | 0.0              |
| 300         | 31840       | 1775         | -31        | -40        | 17                | 0.9             | 19                 | 9.9              | 26                | 78.3            | 19                 | 9.5              | 10                | 0.6             | 9                  | 0.4              | 0                 | 0.0             | 0                  | 0.0              |
| 250         | 36000       | 2001         | -41        | .          | 16                | 0.8             | 21                 | 6.9              | 32                | 83.2            | 26                 | 8.2              | 16                | 0.1             | 9                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 200         | 40874       | 2212         | -53        | .          | 8                 | 0.3             | 25                 | 4.6              | 40                | 87.5            | 28                 | 6.7              | 0                 | 0.0             | 8                  | 0.3              | 8                 | 0.1             | 12                 | 0.1              |
| 150         | 46797       | 2150         | -67        | .          | 15                | 0.1             | 34                 | 3.8              | 49                | 92.2            | 40                 | 3.5              | 10                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54586       | 1503         | -75        | .          | 0                 | 0.0             | 37                 | 2.2              | 49                | 92.9            | 41                 | 4.6              | 0                 | 0.0             | 0                  | 0.0              | 7                 | 0.1             | 0                  | 0.0              |
| 70          | 61473       | 969          | -68        | .          | 0                 | 0.0             | 28                 | 1.6              | 41                | 95.1            | 37                 | 3.0              | 17                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68139       | 632          | -62        | .          | 0                 | 0.0             | 30                 | 2.2              | 40                | 91.7            | 41                 | 5.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.2             | 0                  | 0.0              |
| 30          | 78693       | 449          | -54        | .          | 0                 | 0.0             | 29                 | 3.5              | 42                | 87.0            | 40                 | 9.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.3             | 0                  | 0.0              |
| 20          | 87394       | 513          | -50        | .          | 6                 | 0.2             | 12                 | 3.0              | 22                | 44.0            | 12                 | 2.5              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102312      | 427          | -42        | .          | 11                | 0.6             | 24                 | 6.1              | 44                | 88.0            | 25                 | 5.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

AUG Latitude=12.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 23         | 5                 | 1.2             | 3                  | 0.6              | 3                 | 1.2             | 4                  | 1.9              | 9                 | 14.5            | 12                 | 55.1             | 10                | 23.2            | 5                  | 1.9              |
| 1000        | 98          | -266         | 33         | 27         | 7                 | 0.9             | 5                  | 0.6              | 3                 | 0.4             | 7                  | 1.2              | 10                | 18.0            | 13                 | 50.4             | 13                | 25.0            | 9                  | 2.4              |
| 850         | 4823        | 43           | 25         | 17         | 6                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 1.1              | 10                | 7.4             | 13                 | 36.9             | 15                | 50.3            | 12                 | 4.0              |
| 700         | 10311       | 429          | 13         | 7          | 9                 | 30.9            | 9                  | 21.4             | 6                 | 7.7             | 7                  | 4.8              | 7                 | 2.2             | 7                  | 4.9              | 8                 | 9.6             | 7                  | 17.5             |
| 500         | 19278       | 989          | -5         | -12        | 15                | 10.4            | 18                 | 72.5             | 16                | 14.0            | 6                  | 0.9              | 4                 | 0.4             | 5                  | 0.1              | 2                 | 0.4             | 7                  | 0.8              |
| 400         | 24913       | 1339         | -16        | -25        | 12                | 2.7             | 16                 | 36.4             | 18                | 52.5            | 10                 | 3.5              | 9                 | 1.7             | 8                  | 0.9              | 4                 | 0.6             | 5                  | 0.9              |
| 300         | 31839       | 1774         | -31        | -40        | 17                | 1.2             | 18                 | 12.0             | 27                | 79.8            | 17                 | 6.1              | 6                 | 0.4             | 10                 | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 250         | 35997       | 1998         | -41        | .          | 17                | 0.9             | 25                 | 8.3              | 34                | 84.5            | 24                 | 5.3              | 6                 | 0.4             | 0                  | 0.0              | 5                 | 0.3             | 0                  | 0.0              |
| 200         | 40872       | 2210         | -53        | .          | 15                | 0.3             | 30                 | 5.8              | 42                | 89.0            | 29                 | 4.5              | 13                | 0.1             | 5                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46795       | 2148         | -67        | .          | 0                 | 0.0             | 48                 | 9.9              | 50                | 84.8            | 45                 | 4.9              | 14                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54588       | 1505         | -75        | .          | 39                | 0.1             | 44                 | 6.1              | 50                | 88.5            | 48                 | 5.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61467       | 963          | -69        | .          | 0                 | 0.0             | 29                 | 1.4              | 43                | 95.8            | 36                 | 2.5              | 10                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68122       | 615          | -63        | .          | 0                 | 0.0             | 39                 | 1.6              | 42                | 93.7            | 42                 | 4.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78671       | 427          | -54        | .          | 0                 | 0.0             | 31                 | 2.4              | 43                | 90.1            | 36                 | 7.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87372       | 491          | -50        | .          | 7                 | 0.1             | 13                 | 2.5              | 22                | 45.1            | 13                 | 2.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102304      | 419          | -42        | .          | 14                | 0.3             | 27                 | 5.1              | 44                | 90.3            | 27                 | 4.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

AUG Latitude=12.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 31         | 23         | 2                 | 0.6             | 2                  | 0.6              | 8                 | 0.6             | 5                  | 3.5              | 8                 | 7.4             | 17                 | 61.6             | 14                | 20.9            | 6                  | 3.5              |
| 1000        | 62          | -302         | 33         | 24         | 3                 | 0.6             | 5                  | 0.3              | 6                 | 0.9             | 8                  | 1.9              | 11                | 6.4             | 19                 | 68.4             | 17                | 18.9            | 9                  | 2.2              |
| 850         | 4824        | 44           | 25         | 14         | 3                 | 0.1             | 7                  | 0.6              | 3                 | 0.3             | 0                  | 0.0              | 9                 | 1.6             | 20                 | 60.8             | 18                | 34.9            | 5                  | 1.4              |
| 700         | 10306       | 424          | 12         | 6          | 9                 | 32.0            | 12                 | 21.2             | 6                 | 1.7             | 4                  | 1.9              | 7                 | 2.0             | 8                  | 4.1              | 10                | 12.7            | 8                  | 23.3             |
| 500         | 19259       | 970          | -5         | -14        | 15                | 19.1            | 18                 | 68.2             | 16                | 7.9             | 12                 | 0.1              | 0                 | 0.0             | 6                  | 0.8              | 6                 | 1.6             | 8                  | 2.0              |
| 400         | 24900       | 1326         | -16        | -26        | 9                 | 4.5             | 17                 | 41.1             | 19                | 45.9            | 9                  | 4.0              | 10                | 1.1             | 6                  | 0.4              | 9                 | 1.1             | 7                  | 1.6              |
| 300         | 31835       | 1770         | -31        | -41        | 15                | 0.6             | 21                 | 12.5             | 28                | 82.5            | 18                 | 3.8              | 10                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.1              |
| 250         | 35991       | 1992         | -40        | .          | 13                | 0.6             | 27                 | 6.9              | 35                | 88.8            | 24                 | 3.2              | 11                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 200         | 40868       | 2206         | -52        | .          | 18                | 0.1             | 34                 | 4.1              | 43                | 91.6            | 31                 | 3.7              | 20                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 6                  | 0.1              |
| 150         | 46794       | 2147         | -67        | .          | 0                 | 0.0             | 40                 | 7.7              | 51                | 86.9            | 46                 | 5.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54587       | 1504         | -75        | .          | 0                 | 0.0             | 38                 | 5.4              | 51                | 90.6            | 51                 | 3.8              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61468       | 964          | -69        | .          | 0                 | 0.0             | 34                 | 2.2              | 44                | 96.6            | 36                 | 1.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68121       | 614          | -63        | .          | 0                 | 0.0             | 36                 | 2.9              | 44                | 95.1            | 38                 | 1.7              | 57                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78672       | 428          | -54        | .          | 0                 | 0.0             | 33                 | 3.0              | 43                | 93.0            | 34                 | 3.7              | 59                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87377       | 496          | -50        | .          | 9                 | 0.1             | 14                 | 2.0              | 22                | 45.7            | 13                 | 1.7              | 4                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102308      | 423          | -42        | .          | 17                | 0.3             | 27                 | 4.1              | 44                | 91.6            | 27                 | 3.5              | 8                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

AUG Latitude=12.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 22         | 5                 | 3.8             | 5                  | 1.2              | 5                 | 1.9             | 6                  | 4.5              | 9                 | 16.7            | 13                 | 31.6             | 10                | 29.6            | 8                  | 9.9              |
| 1000        | 74          | -290         | 33         | 22         | 8                 | 2.4             | 5                  | 0.3              | 6                 | 1.6             | 8                  | 3.5              | 13                | 17.6            | 16                 | 48.7             | 15                | 17.4            | 12                 | 8.2              |
| 850         | 4832        | 52           | 25         | 13         | 0                 | 0.0             | 4                  | 0.6              | 0                 | 0.0             | 6                  | 0.1              | 8                 | 0.9             | 18                 | 40.4             | 18                | 56.6            | 6                  | 1.1              |
| 700         | 10295       | 413          | 11         | 7          | 11                | 25.1            | 13                 | 6.4              | 2                 | 0.6             | 3                  | 0.4              | 4                 | 0.3             | 10                 | 4.1              | 11                | 27.4            | 10                 | 34.3             |
| 500         | 19241       | 952          | -5         | -14        | 13                | 24.5            | 16                 | 59.0             | 13                | 7.9             | 7                  | 0.4              | 6                 | 0.8             | 6                  | 0.8              | 10                | 1.6             | 11                 | 4.6              |
| 400         | 24888       | 1314         | -15        | -26        | 9                 | 5.4             | 16                 | 39.6             | 18                | 46.2            | 8                  | 3.2              | 9                 | 0.9             | 4                  | 0.3              | 8                 | 1.1             | 9                  | 2.5              |
| 300         | 31829       | 1764         | -31        | -40        | 12                | 0.6             | 20                 | 13.2             | 28                | 83.2            | 19                 | 2.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 0.3              |
| 250         | 35989       | 1990         | -40        | .          | 18                | 0.1             | 26                 | 7.2              | 34                | 89.9            | 25                 | 2.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 14                 | 0.1              |
| 200         | 40869       | 2207         | -52        | .          | 9                 | 0.1             | 34                 | 2.9              | 42                | 94.1            | 36                 | 2.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46793       | 2146         | -67        | .          | 0                 | 0.0             | 36                 | 2.5              | 52                | 91.9            | 46                 | 5.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54584       | 1501         | -75        | .          | 0                 | 0.0             | 43                 | 1.9              | 53                | 94.9            | 55                 | 3.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61470       | 966          | -68        | .          | 0                 | 0.0             | 39                 | 3.3              | 45                | 95.8            | 33                 | 0.6              | 50                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68130       | 623          | -63        | .          | 32                | 0.1             | 37                 | 3.3              | 44                | 94.8            | 39                 | 1.4              | 53                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78682       | 438          | -54        | .          | 24                | 0.1             | 34                 | 3.5              | 44                | 93.7            | 29                 | 2.4              | 57                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87387       | 506          | -50        | .          | 0                 | 0.0             | 13                 | 1.8              | 21                | 46.7            | 14                 | 1.0              | 7                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102316      | 431          | -42        | .          | 0                 | 0.0             | 26                 | 3.8              | 43                | 93.5            | 28                 | 2.2              | 14                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

AUG Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.3              | 21                | 82.5            | 20                 | 17.0             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 121         | -243         | 28         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 14                 | 0.1              | 24                | 73.0            | 23                 | 26.8             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4836        | 56           | 23         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 12                | 0.4             | 24                 | 71.1             | 22                | 28.2            | 4                  | 0.1              |
| 700         | 10278       | 396          | 11         | 7          | 10                | 12.2            | 10                 | 2.5              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 17                 | 1.4              | 16                | 42.9            | 12                 | 40.6             |
| 500         | 19227       | 938          | -4         | -14        | 10                | 24.0            | 13                 | 49.1             | 11                | 10.6            | 7                  | 0.8              | 7                 | 0.8             | 6                  | 1.4              | 11                | 2.4             | 10                 | 9.8              |
| 400         | 24880       | 1306         | -15        | -26        | 8                 | 5.8             | 14                 | 33.5             | 17                | 50.6            | 8                  | 3.5              | 6                 | 1.1             | 16                 | 0.3              | 7                 | 1.6             | 10                 | 3.0              |
| 300         | 31823       | 1758         | -30        | -41        | 12                | 0.8             | 19                 | 14.0             | 27                | 82.2            | 17                 | 2.5              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.3              |
| 250         | 35985       | 1986         | -40        | .          | 0                 | 0.0             | 26                 | 8.8              | 34                | 88.0            | 27                 | 2.9              | 0                 | 0.0             | 0                  | 0.0              | 14                | 0.1             | 0                  | 0.0              |
| 200         | 40865       | 2203         | -52        | .          | 0                 | 0.0             | 31                 | 2.4              | 43                | 94.5            | 36                 | 3.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46785       | 2138         | -67        | .          | 0                 | 0.0             | 46                 | 0.6              | 55                | 94.8            | 48                 | 4.5              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54574       | 1491         | -75        | .          | 0                 | 0.0             | 45                 | 0.6              | 55                | 97.2            | 51                 | 2.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61464       | 960          | -68        | .          | 0                 | 0.0             | 41                 | 3.2              | 45                | 95.6            | 38                 | 0.9              | 30                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68129       | 622          | -62        | .          | 0                 | 0.0             | 40                 | 3.7              | 44                | 95.1            | 43                 | 0.9              | 33                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78682       | 438          | -54        | .          | 0                 | 0.0             | 35                 | 5.3              | 44                | 92.2            | 32                 | 2.2              | 36                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87383       | 502          | -50        | .          | 0                 | 0.0             | 14                 | 1.4              | 21                | 46.2            | 16                 | 1.5              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102304      | 419          | -42        | .          | 0                 | 0.0             | 29                 | 2.9              | 43                | 93.8            | 32                 | 3.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

SEP Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 23         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 6                  | 1.9              | 8                 | 57.6            | 6                  | 38.6             | 6                 | 1.6             | 0                  | 0.0              |
| 1000        | 328         | -36          | 30         | 21         | 0                 | 0.0             | 0                  | 0.0              | 3                 | 0.5             | 7                  | 2.3              | 11                | 59.4            | 11                 | 36.5             | 8                 | 1.1             | 0                  | 0.0              |
| 850         | 4922        | 142          | 21         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 1.5              | 14                | 61.2            | 15                 | 36.7             | 7                 | 0.5             | 0                  | 0.0              |
| 700         | 10335       | 453          | 10         | 5          | 6                 | 12.8            | 6                  | 6.5              | 5                 | 4.1             | 6                  | 4.3              | 8                 | 9.0             | 9                  | 22.0             | 8                 | 22.7            | 9                  | 18.0             |
| 500         | 19248       | 959          | -6         | -18        | 9                 | 10.3            | 12                 | 41.4             | 12                | 39.3            | 10                 | 5.6              | 6                 | 1.0             | 3                  | 0.5              | 3                 | 0.3             | 8                  | 0.8              |
| 400         | 24880       | 1306         | -16        | -29        | 9                 | 5.6             | 12                 | 22.2             | 14                | 54.0            | 11                 | 10.8             | 6                 | 3.1             | 2                  | 0.5              | 5                 | 1.6             | 7                  | 1.5              |
| 300         | 31767       | 1702         | -31        | -44        | 14                | 4.3             | 15                 | 14.8             | 18                | 46.9            | 16                 | 24.0             | 10                | 4.8             | 8                  | 1.3              | 9                 | 1.0             | 10                 | 1.3              |
| 250         | 35918       | 1919         | -42        | .          | 14                | 4.0             | 17                 | 14.3             | 21                | 47.9            | 17                 | 25.0             | 13                | 4.0             | 9                  | 2.3              | 13                | 1.0             | 14                 | 1.1              |
| 200         | 40768       | 2106         | -54        | .          | 18                | 2.5             | 19                 | 13.5             | 26                | 57.0            | 19                 | 18.6             | 14                | 5.1             | 9                  | 0.6              | 11                | 1.1             | 14                 | 1.3              |
| 150         | 46657       | 2010         | -67        | .          | 17                | 2.5             | 22                 | 12.6             | 31                | 66.4            | 20                 | 14.0             | 10                | 2.6             | 4                  | 0.6              | 8                 | 0.3             | 8                  | 0.6              |
| 100         | 54436       | 1353         | -75        | .          | 12                | 1.3             | 21                 | 14.3             | 28                | 74.7            | 20                 | 7.8              | 10                | 0.6             | 6                  | 0.3              | 3                 | 0.1             | 8                  | 0.5              |
| 70          | 61309       | 805          | -69        | .          | 9                 | 0.5             | 17                 | 10.5             | 26                | 79.1            | 19                 | 8.6              | 13                | 0.6             | 14                 | 0.1              | 0                 | 0.0             | 4                  | 0.1              |
| 50          | 67974       | 467          | -63        | .          | 16                | 0.1             | 18                 | 11.3             | 28                | 72.4            | 19                 | 13.6             | 7                 | 0.6             | 5                  | 0.5              | 7                 | 0.3             | 5                  | 0.6              |
| 30          | 78509       | 265          | -55        | .          | 9                 | 0.6             | 23                 | 9.0              | 35                | 68.6            | 20                 | 16.0             | 12                | 2.5             | 15                 | 1.3              | 8                 | 0.8             | 7                  | 0.8              |
| 20          | 87218       | 337          | -50        | .          | 4                 | 1.9             | 10                 | 4.4              | 21                | 29.1            | 5                  | 1.4              | 3                 | 0.7             | 7                  | 2.4              | 6                 | 4.7             | 6                  | 4.1              |
| 10          | 102149      | 264          | -41        | .          | 9                 | 3.9             | 21                 | 8.9              | 43                | 58.3            | 10                 | 2.9              | 6                 | 1.6             | 15                 | 4.9              | 13                | 9.6             | 12                 | 8.3              |

SEP Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.3              | 12                | 30.3            | 13                 | 69.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 306         | -58          | 30         | 20         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 14                 | 0.1              | 14                | 31.3            | 16                 | 68.4             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4927        | 147          | 21         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 3                  | 0.1              | 19                | 18.8            | 21                 | 80.4             | 17                | 0.5             | 0                  | 0.0              |
| 700         | 10328       | 446          | 9          | 5          | 6                 | 4.3             | 8                  | 2.0              | 3                 | 1.5             | 7                  | 2.3              | 9                 | 5.3             | 11                 | 18.8             | 11                | 43.5            | 10                 | 21.5             |
| 500         | 19249       | 960          | -6         | -18        | 9                 | 18.3            | 11                 | 42.5             | 10                | 28.5            | 9                  | 5.3              | 5                 | 0.6             | 4                  | 1.0              | 5                 | 1.1             | 10                 | 1.8              |
| 400         | 24873       | 1299         | -16        | -29        | 10                | 6.8             | 11                 | 27.7             | 13                | 47.5            | 10                 | 9.8              | 7                 | 2.0             | 4                  | 1.3              | 5                 | 1.1             | 8                  | 3.1              |
| 300         | 31770       | 1705         | -32        | -44        | 11                | 4.0             | 15                 | 16.1             | 18                | 51.9            | 15                 | 17.6             | 10                | 4.6             | 8                  | 1.3              | 8                 | 1.5             | 8                  | 2.5              |
| 250         | 35917       | 1918         | -42        | .          | 12                | 3.3             | 17                 | 15.5             | 21                | 54.5            | 17                 | 18.6             | 12                | 3.0             | 10                 | 2.8              | 15                | 0.3             | 12                 | 1.6              |
| 200         | 41768       | 2106         | -54        | .          | 15                | 2.3             | 20                 | 12.3             | 27                | 60.2            | 20                 | 16.5             | 14                | 4.5             | 9                  | 2.0              | 11                | 0.5             | 14                 | 1.5              |
| 150         | 46657       | 2010         | -67        | .          | 20                | 2.3             | 21                 | 14.3             | 32                | 67.6            | 20                 | 12.8             | 11                | 1.6             | 5                  | 0.1              | 3                 | 0.3             | 10                 | 0.5              |
| 100         | 54435       | 1352         | -75        | .          | 13                | 1.0             | 22                 | 15.1             | 28                | 74.9            | 18                 | 7.5              | 10                | 0.5             | 4                  | 0.3              | 5                 | 0.1             | 5                  | 0.3              |
| 70          | 61311       | 807          | -69        | .          | 9                 | 0.6             | 16                 | 10.5             | 26                | 81.8            | 17                 | 6.3              | 11                | 0.3             | 5                  | 0.1              | 8                 | 0.1             | 0                  | 0.0              |
| 50          | 67976       | 469          | -62        | .          | 9                 | 0.8             | 19                 | 10.6             | 28                | 74.7            | 20                 | 11.5             | 9                 | 0.6             | 14                 | 0.1              | 6                 | 0.8             | 6                  | 0.5              |
| 30          | 78512       | 268          | -55        | .          | 11                | 0.6             | 23                 | 9.8              | 35                | 69.2            | 18                 | 13.8             | 13                | 3.3             | 16                 | 2.1              | 12                | 0.5             | 6                  | 0.1              |
| 20          | 87218       | 337          | -50        | .          | 4                 | 1.7             | 9                  | 3.1              | 22                | 29.6            | 8                  | 2.4              | 5                 | 1.4             | 6                  | 2.9              | 6                 | 4.6             | 6                  | 3.4              |
| 10          | 102155      | 270          | -41        | .          | 9                 | 3.6             | 19                 | 6.3              | 45                | 59.3            | 16                 | 4.9              | 10                | 2.9             | 12                 | 5.9              | 13                | 9.3             | 13                 | 6.9              |

SEP Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 17         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 0.6              | 11                | 47.9            | 13                 | 51.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 292         | -72          | 30         | 20         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 0.5              | 14                | 39.5            | 17                 | 59.7             | 13                | 0.1             | 0                  | 0.0              |
| 850         | 4931        | 151          | 20         | 14         | 0                 | 0.0             | 0                  | 0.0              | 1                 | 0.1             | 0                  | 0.0              | 18                | 6.6             | 22                 | 88.6             | 17                | 4.5             | 0                  | 0.0              |
| 700         | 10327       | 445          | 9          | 5          | 8                 | 3.5             | 11                 | 0.8              | 3                 | 0.3             | 2                  | 0.5              | 10                | 4.8             | 11                 | 12.8             | 13                | 51.2            | 12                 | 25.7             |
| 500         | 19239       | 950          | -5         | -18        | 9                 | 21.7            | 10                 | 35.8             | 9                 | 20.0            | 8                  | 7.0              | 6                 | 1.8             | 5                  | 1.5              | 5                 | 2.3             | 7                  | 8.6              |
| 400         | 24868       | 1294         | -16        | -28        | 9                 | 9.1             | 11                 | 29.8             | 13                | 41.4            | 8                  | 8.1              | 6                 | 3.0             | 6                  | 1.5              | 7                 | 1.5             | 8                  | 4.8              |
| 300         | 31772       | 1707         | -32        | -43        | 9                 | 3.1             | 14                 | 20.0             | 18                | 55.7            | 14                 | 11.6             | 7                 | 3.3             | 10                 | 1.1              | 7                 | 2.5             | 9                  | 2.3              |
| 250         | 35917       | 1918         | -42        | .          | 10                | 4.8             | 17                 | 17.5             | 22                | 55.9            | 17                 | 15.1             | 9                 | 2.3             | 13                 | 1.5              | 12                | 0.5             | 8                  | 2.1              |
| 200         | 40768       | 2106         | -54        | .          | 11                | 2.8             | 20                 | 11.6             | 28                | 64.2            | 20                 | 14.5             | 15                | 2.8             | 10                 | 1.3              | 7                 | 1.1             | 13                 | 1.3              |
| 150         | 46655       | 2008         | -68        | .          | 17                | 3.0             | 19                 | 14.3             | 33                | 69.6            | 21                 | 11.1             | 13                | 1.0             | 16                 | 0.1              | 4                 | 0.5             | 5                  | 0.1              |
| 100         | 54437       | 1354         | -75        | .          | 12                | 1.0             | 20                 | 12.5             | 28                | 77.7            | 23                 | 7.5              | 8                 | 0.8             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 0.1              |
| 70          | 61314       | 810          | -69        | .          | 7                 | 1.0             | 18                 | 11.5             | 26                | 79.2            | 16                 | 7.6              | 6                 | 0.1             | 10                 | 0.1              | 0                 | 0.0             | 7                  | 0.1              |
| 50          | 67975       | 468          | -62        | .          | 9                 | 1.1             | 20                 | 12.6             | 28                | 73.6            | 20                 | 9.8              | 10                | 1.1             | 13                 | 0.3              | 7                 | 0.6             | 5                  | 0.5              |
| 30          | 78515       | 271          | -55        | .          | 7                 | 1.0             | 23                 | 11.8             | 36                | 67.1            | 18                 | 12.3             | 12                | 3.3             | 16                 | 3.0              | 11                | 0.8             | 3                  | 0.1              |
| 20          | 87220       | 339          | -50        | .          | 3                 | 1.1             | 10                 | 4.1              | 23                | 27.9            | 12                 | 3.7              | 4                 | 2.2             | 6                  | 3.1              | 6                 | 4.7             | 6                  | 2.4              |
| 10          | 102163      | 278          | -41        | .          | 7                 | 2.3             | 20                 | 8.3              | 47                | 55.9            | 24                 | 7.6              | 9                 | 4.6             | 12                 | 6.3              | 13                | 9.6             | 12                 | 4.9              |

SEP Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 20                | 46.6            | 20                 | 53.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 281         | -83          | 27         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 21                | 38.3            | 21                 | 61.6             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4925        | 145          | 19         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 16                | 2.3             | 25                 | 80.9             | 20                | 16.3            | 4                  | 0.3              |
| 700         | 10320       | 438          | 10         | 4          | 9                 | 5.3             | 14                 | 0.8              | 4                 | 0.1             | 5                  | 0.3              | 10                | 2.8             | 11                 | 11.6             | 14                | 45.9            | 14                 | 32.7             |
| 500         | 19231       | 942          | -5         | -18        | 9                 | 23.5            | 10                 | 27.5             | 9                 | 13.8            | 7                  | 5.6              | 5                 | 4.3             | 5                  | 3.1              | 6                 | 4.6             | 8                  | 15.6             |
| 400         | 24865       | 1291         | -16        | -29        | 8                 | 10.8            | 11                 | 24.2             | 12                | 42.9            | 8                  | 6.5              | 6                 | 3.6             | 5                  | 1.5              | 8                 | 3.1             | 8                  | 6.8              |
| 300         | 31777       | 1712         | -32        | -44        | 10                | 3.8             | 13                 | 20.2             | 17                | 56.7            | 12                 | 10.8             | 7                 | 2.3             | 9                  | 0.8              | 8                 | 2.5             | 9                  | 2.5              |
| 250         | 35918       | 1919         | -42        | .          | 13                | 4.3             | 18                 | 16.1             | 21                | 58.2            | 17                 | 14.5             | 10                | 2.3             | 11                 | 0.8              | 9                 | 1.6             | 11                 | 1.8              |
| 200         | 40767       | 2105         | -54        | .          | 9                 | 2.5             | 19                 | 11.5             | 29                | 69.4            | 21                 | 11.6             | 11                | 2.3             | 7                  | 0.6              | 10                | 0.6             | 14                 | 1.1              |
| 150         | 46655       | 2008         | -68        | .          | 11                | 2.6             | 16                 | 10.3             | 34                | 75.6            | 22                 | 10.3             | 10                | 0.3             | 4                  | 0.5              | 0                 | 0.0             | 8                  | 0.1              |
| 100         | 54441       | 1358         | -75        | .          | 9                 | 1.3             | 19                 | 8.5              | 28                | 78.6            | 24                 | 10.8             | 18                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 3                  | 0.1              |
| 70          | 61319       | 815          | -69        | .          | 8                 | 0.8             | 19                 | 11.0             | 26                | 80.6            | 15                 | 6.5              | 6                 | 0.3             | 11                 | 0.1              | 0                 | 0.0             | 5                  | 0.5              |
| 50          | 67973       | 466          | -63        | .          | 10                | 1.1             | 20                 | 11.3             | 28                | 75.2            | 17                 | 9.5              | 10                | 0.8             | 11                 | 0.5              | 10                | 0.3             | 6                  | 1.0              |
| 30          | 78513       | 269          | -55        | .          | 7                 | 0.8             | 19                 | 10.8             | 36                | 68.1            | 20                 | 11.5             | 8                 | 2.0             | 13                 | 3.8              | 11                | 1.5             | 6                  | 1.3              |
| 20          | 87214       | 333          | -50        | .          | 3                 | 0.4             | 9                  | 4.4              | 23                | 26.1            | 16                 | 5.7              | 5                 | 1.7             | 6                  | 3.9              | 7                 | 4.6             | 5                  | 2.2              |
| 10          | 102170      | 285          | -41        | .          | 6                 | 0.9             | 18                 | 8.9              | 47                | 52.3            | 31                 | 11.6             | 10                | 3.6             | 12                 | 7.9              | 14                | 9.3             | 10                 | 4.6              |

SEP Latitude= 7.50 Longitude= 52.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 24  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 16    | 20.3 | 20    | 79.6 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 289    | -75  | 25  | 23  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 5     | 0.3  | 17    | 16.6 | 23    | 82.9 | 0     | 0.0  | 0     | 0.0  |
| 850  | 4929   | 149  | 19  | 10  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 14    | 6.3  | 24    | 72.1 | 22    | 20.8 | 12    | 0.6  |
| 700  | 10313  | 431  | 9   | 3   | 8     | 2.8  | 10    | 1.3  | 3     | 0.5  | 4     | 1.1  | 7     | 2.3  | 10    | 9.5  | 15    | 51.4 | 13    | 30.7 |
| 500  | 19225  | 936  | -5  | -19 | 7     | 19.5 | 9     | 20.7 | 9     | 8.6  | 6     | 6.1  | 5     | 4.6  | 6     | 6.5  | 8     | 14.6 | 7     | 17.8 |
| 400  | 24863  | 1289 | -16 | -29 | 8     | 6.3  | 10    | 28.2 | 11    | 34.5 | 8     | 10.8 | 6     | 2.6  | 5     | 2.0  | 7     | 4.8  | 8     | 9.8  |
| 300  | 31779  | 1714 | -32 | -43 | 10    | 3.3  | 12    | 19.6 | 17    | 56.2 | 13    | 11.3 | 5     | 1.5  | 8     | 1.0  | 10    | 3.1  | 8     | 3.3  |
| 250  | 35917  | 1918 | -42 | .   | 10    | 3.3  | 16    | 16.5 | 22    | 59.0 | 18    | 15.1 | 8     | 1.6  | 6     | 0.8  | 9     | 1.3  | 11    | 1.8  |
| 200  | 40765  | 2103 | -54 | .   | 10    | 1.5  | 19    | 13.3 | 30    | 70.6 | 19    | 11.1 | 12    | 0.8  | 12    | 0.1  | 6     | 1.1  | 10    | 1.0  |
| 150  | 46552  | 2005 | -68 | .   | 13    | 1.0  | 18    | 5.3  | 35    | 79.7 | 21    | 11.3 | 9     | 1.0  | 3     | 0.1  | 2     | 0.1  | 6     | 0.5  |
| 100  | 54436  | 1353 | -75 | .   | 8     | 0.6  | 17    | 4.3  | 29    | 81.6 | 23    | 12.3 | 10    | 0.6  | 16    | 0.1  | 0     | 0.0  | 4     | 0.1  |
| 70   | 61317  | 813  | -69 | .   | 9     | 0.8  | 18    | 10.1 | 26    | 80.8 | 14    | 6.8  | 6     | 0.6  | 1     | 0.1  | 5     | 0.1  | 8     | 0.3  |
| 50   | 67974  | 467  | -63 | .   | 9     | 1.8  | 17    | 10.1 | 28    | 76.4 | 17    | 8.8  | 8     | 1.1  | 4     | 0.5  | 6     | 0.5  | 12    | 0.5  |
| 30   | 78516  | 272  | -55 | .   | 8     | 2.5  | 16    | 8.8  | 35    | 69.7 | 22    | 9.1  | 9     | 1.8  | 11    | 2.0  | 12    | 3.0  | 11    | 2.6  |
| 20   | 87218  | 337  | -50 | .   | 4     | 1.7  | 9     | 3.1  | 23    | 25.2 | 14    | 6.2  | 6     | 2.9  | 6     | 3.7  | 7     | 4.9  | 4     | 1.4  |
| 10   | 102173 | 288  | -41 | .   | 8     | 3.6  | 18    | 6.3  | 47    | 50.6 | 27    | 12.6 | 11    | 5.9  | 12    | 7.6  | 14    | 9.9  | 8     | 2.9  |

SEP Latitude=10.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W   | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  |
| SFC  | .      | .    | 23  | 15  | 4     | 5.6  | 6     | 0.3  | 2     | 3.9  | 3     | 3.9  | 6     | 42.3 | 5     | 26.3 | 4     | 6.3 | 4     | 6.6  |
| 1000 | 279    | -85  | 32  | 24  | 5     | 5.3  | 4     | 3.8  | 4     | 6.3  | 5     | 10.0 | 8     | 37.0 | 7     | 23.7 | 5     | 6.8 | 6     | 5.8  |
| 850  | 4886   | 106  | 23  | 16  | 6     | 4.1  | 5     | 4.5  | 4     | 6.5  | 5     | 10.0 | 9     | 32.2 | 8     | 30.2 | 7     | 7.1 | 7     | 4.5  |
| 700  | 10338  | 456  | 11  | 6   | 7     | 18.8 | 8     | 26.2 | 8     | 18.3 | 7     | 6.6  | 8     | 6.5  | 9     | 6.1  | 5     | 4.6 | 7     | 11.0 |
| 500  | 19258  | 969  | -6  | -16 | 10    | 4.8  | 14    | 48.5 | 14    | 41.0 | 10    | 3.8  | 10    | 0.5  | 9     | 0.1  | 2     | 0.1 | 11    | 0.5  |
| 400  | 24896  | 1322 | -16 | -27 | 8     | 3.6  | 13    | 23.8 | 15    | 60.2 | 10    | 9.0  | 7     | 1.1  | 3     | 0.6  | 6     | 0.5 | 5     | 0.5  |
| 300  | 31786  | 1721 | -31 | -43 | 15    | 2.3  | 16    | 15.1 | 20    | 59.2 | 15    | 17.5 | 11    | 2.6  | 7     | 1.1  | 4     | 0.3 | 9     | 1.5  |
| 250  | 35944  | 1945 | -42 | .   | 14    | 2.8  | 17    | 12.5 | 22    | 55.7 | 17    | 21.3 | 13    | 3.8  | 10    | 1.8  | 3     | 0.1 | 9     | 1.6  |
| 200  | 40802  | 2140 | -54 | .   | 15    | 2.8  | 18    | 9.8  | 27    | 58.5 | 20    | 22.3 | 15    | 4.0  | 8     | 1.1  | 14    | 0.3 | 8     | 0.8  |
| 150  | 46701  | 2054 | -67 | .   | 16    | 0.6  | 22    | 8.5  | 31    | 71.9 | 22    | 15.8 | 15    | 1.6  | 4     | 0.3  | 10    | 0.6 | 4     | 0.1  |
| 100  | 54474  | 1391 | -75 | .   | 9     | 0.5  | 25    | 8.6  | 31    | 80.3 | 22    | 9.5  | 10    | 0.1  | 7     | 0.1  | 8     | 0.1 | 7     | 0.5  |
| 70   | 61344  | 840  | -69 | .   | 9     | 0.3  | 19    | 8.8  | 29    | 83.8 | 23    | 6.6  | 6     | 0.3  | 0     | 0.0  | 0     | 0.0 | 0     | 0.0  |
| 50   | 68009  | 502  | -63 | .   | 2     | 0.1  | 20    | 8.6  | 31    | 81.9 | 25    | 8.5  | 10    | 0.3  | 0     | 0.0  | 0     | 0.0 | 8     | 0.3  |
| 30   | 78543  | 299  | -55 | .   | 12    | 1.0  | 23    | 6.8  | 36    | 77.4 | 23    | 13.1 | 18    | 0.6  | 16    | 0.1  | 5     | 0.3 | 5     | 0.3  |
| 20   | 87252  | 371  | -50 | .   | 5     | 1.4  | 8     | 5.1  | 19    | 35.6 | 9     | 5.4  | 6     | 0.7  | 6     | 0.7  | 3     | 0.2 | 3     | 0.1  |
| 10   | 102200 | 315  | -41 | .   | 10    | 2.9  | 16    | 10.3 | 38    | 71.3 | 18    | 10.9 | 12    | 1.6  | 12    | 1.6  | 7     | 0.6 | 5     | 0.3  |

SEP Latitude=10.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 28  | 15  | 2     | 0.6  | 1     | 0.9  | 9     | 49.6 | 7     | 38.6 |
| 1000 | 223    | -141 | 33  | 21  | 7     | 4.1  | 3     | 2.1  | 11    | 34.3 | 5     | 5.3  |
| 850  | 4887   | 107  | 24  | 13  | 3     | 1.3  | 5     | 1.3  | 13    | 24.5 | 8     | 4.6  |
| 700  | 10334  | 452  | 11  | 5   | 6     | 18.0 | 5     | 7.0  | 7     | 7.5  | 6     | 15.5 |
| 500  | 19256  | 967  | -5  | -18 | 11    | 9.8  | 12    | 25.0 | 9     | 0.1  | 2     | 0.1  |
| 400  | 24888  | 1314 | -16 | -28 | 10    | 6.5  | 15    | 53.5 | 7     | 1.1  | 6     | 0.5  |
| 300  | 31791  | 1726 | -31 | -42 | 15    | 4.3  | 20    | 61.1 | 8     | 2.1  | 4     | 0.3  |
| 250  | 35942  | 1943 | -42 | .   | 15    | 3.0  | 23    | 58.2 | 10    | 2.0  | 11    | 1.3  |
| 200  | 40798  | 2136 | -54 | .   | 15    | 2.8  | 29    | 62.9 | 16    | 2.1  | 5     | 0.6  |
| 150  | 46695  | 2048 | -67 | .   | 12    | 1.0  | 33    | 72.9 | 12    | 1.1  | 4     | 0.1  |
| 100  | 54470  | 1387 | -75 | .   | 11    | 0.3  | 31    | 83.4 | 6     | 0.1  | 0     | 0.0  |
| 50   | 61342  | 838  | -69 | .   | 6     | 0.3  | 29    | 87.8 | 5     | 0.1  | 0     | 0.0  |
| 50   | 68001  | 494  | -63 | .   | 17    | 0.1  | 31    | 83.8 | 0     | 0.0  | 4     | 0.1  |
| 30   | 78534  | 290  | -55 | .   | 13    | 1.0  | 36    | 77.9 | 16    | 1.1  | 0     | 0.0  |
| 20   | 87239  | 358  | -50 | .   | 5     | 1.1  | 19    | 37.1 | 6     | 0.7  | 3     | 0.2  |
| 10   | 102193 | 308  | -41 | .   | 11    | 2.3  | 38    | 74.3 | 13    | 1.6  | 7     | 0.6  |

SEP Latitude=10.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 26  | 15  | 0     | 0.0  | 0     | 0.0  | 10    | 32.6 | 6     | 5.9  |
| 1000 | 267    | -97  | 32  | 22  | 7     | 0.8  | 0     | 0.0  | 13    | 25.0 | 9     | 8.3  |
| 850  | 4897   | 117  | 23  | 14  | 1     | 0.1  | 4     | 0.1  | 17    | 12.6 | 11    | 11.3 |
| 700  | 10328  | 446  | 10  | 7   | 8     | 9.5  | 5     | 1.6  | 11    | 2.6  | 10    | 39.2 |
| 500  | 19250  | 961  | -5  | -18 | 11    | 18.0 | 11    | 18.5 | 9     | 0.8  | 5     | 1.1  |
| 400  | 24883  | 1309 | -16 | -26 | 10    | 6.0  | 14    | 50.9 | 6     | 1.1  | 5     | 0.3  |
| 300  | 31782  | 1717 | -31 | -41 | 12    | 4.0  | 15    | 18.5 | 9     | 0.8  | 2     | 0.3  |
| 250  | 35940  | 1941 | -41 | .   | 12    | 3.0  | 17    | 13.6 | 13    | 1.6  | 0     | 0.0  |
| 200  | 40801  | 2139 | -54 | .   | 11    | 1.5  | 29    | 71.1 | 11    | 2.1  | 3     | 0.3  |
| 150  | 46697  | 2050 | -67 | .   | 12    | 0.8  | 33    | 76.2 | 12    | 1.0  | 5     | 0.3  |
| 100  | 54469  | 1386 | -75 | .   | 6     | 0.6  | 31    | 83.8 | 0     | 0.0  | 0     | 0.0  |
| 50   | 61340  | 836  | -69 | .   | 0     | 0.0  | 30    | 83.6 | 4     | 0.1  | 0     | 0.0  |
| 50   | 68000  | 493  | -63 | .   | 17    | 0.1  | 32    | 83.6 | 14    | 0.3  | 8     | 0.1  |
| 30   | 78535  | 291  | -55 | .   | 11    | 0.8  | 36    | 77.7 | 15    | 2.1  | 17    | 0.1  |
| 20   | 87244  | 363  | -50 | .   | 5     | 0.7  | 19    | 36.9 | 6     | 1.2  | 4     | 0.1  |
| 10   | 102202 | 317  | -41 | .   | 11    | 1.6  | 39    | 73.9 | 12    | 2.6  | 8     | 0.3  |

SEP Latitude=10.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SEC         | .           | .            | 29         | 17         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 1.9              | 11                | 38.9            | 12                 | 58.6             | 5                 | 0.3             | 0                  | 0.0              |
| 1000        | 233         | -131         | 32         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 1.5              | 14                | 41.4            | 16                 | 56.7             | 7                 | 0.3             | 0                  | 0.0              |
| 850         | 4900        | 120          | 22         | 14         | 2                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.1              | 14                | 2.8             | 21                 | 76.2             | 17                | 18.6            | 9                  | 1.5              |
| 700         | 10322       | 440          | 10         | 6          | 11                | 6.5             | 11                 | 1.6              | 10                | 0.1             | 3                  | 0.1              | 9                 | 0.8             | 11                 | 5.3              | 13                | 39.7            | 13                 | 45.4             |
| 500         | 19239       | 950          | -5         | -18        | 9                 | 21.7            | 11                 | 47.0             | 9                 | 16.1            | 4                  | 3.3              | 5                 | 2.0             | 5                  | 0.3              | 5                 | 1.8             | 7                  | 7.0              |
| 400         | 24873       | 1299         | -16        | -28        | 9                 | 7.5             | 12                 | 33.3             | 13                | 48.7            | 9                  | 5.5              | 6                 | 1.3             | 5                  | 0.5              | 6                 | 0.8             | 8                  | 1.8              |
| 300         | 31786       | 1721         | -31        | -42        | 11                | 3.8             | 15                 | 17.0             | 20                | 69.6            | 13                 | 8.0              | 9                 | 1.0             | 7                  | 0.1              | 0                 | 0.0             | 10                 | 0.6              |
| 250         | 35938       | 1939         | -41        | .          | 12                | 3.0             | 17                 | 13.6             | 24                | 68.2            | 17                 | 12.1             | 10                | 1.8             | 22                 | 0.1              | 4                 | 0.1             | 10                 | 0.1              |
| 200         | 40797       | 2135         | -54        | .          | 11                | 1.1             | 19                 | 8.3              | 30                | 76.1            | 20                 | 12.3             | 11                | 1.1             | 5                  | 0.5              | 7                 | 0.1             | 10                 | 0.1              |
| 150         | 46694       | 2047         | -67        | .          | 16                | 0.8             | 20                 | 5.8              | 34                | 79.7            | 24                 | 12.6             | 10                | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 5                  | 0.1              |
| 100         | 54470       | 1387         | -75        | .          | 13                | 0.3             | 20                 | 7.6              | 32                | 82.1            | 28                 | 9.5              | 10                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61342       | 838          | -69        | .          | 0                 | 0.0             | 23                 | 8.1              | 31                | 88.4            | 22                 | 3.1              | 10                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 67995       | 488          | -63        | .          | 0                 | 0.0             | 24                 | 7.3              | 32                | 87.1            | 24                 | 5.1              | 17                | 0.1             | 0                  | 0.0              | 4                 | 0.1             | 0                  | 0.0              |
| 30          | 78536       | 292          | -55        | .          | 9                 | 1.0             | 22                 | 8.3              | 36                | 80.4            | 22                 | 6.5              | 11                | 1.6             | 13                 | 1.1              | 13                | 0.1             | 6                  | 0.6              |
| 20          | 87241       | 360          | -50        | .          | 4                 | 0.6             | 11                 | 3.6              | 19                | 35.9            | 11                 | 6.2              | 5                 | 1.9             | 5                  | 0.6              | 3                 | 0.2             | 3                  | 0.1              |
| 10          | 102205      | 320          | -41        | .          | 9                 | 1.3             | 23                 | 7.3              | 39                | 71.9            | 22                 | 12.6             | 10                | 3.9             | 10                 | 1.3              | 7                 | 0.6             | 7                  | 0.3              |

SEP Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SEC         | .           | .            | 27         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 20                | 60.6            | 21                 | 39.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 244         | -120         | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 6                  | 0.5              | 24                | 52.2            | 25                 | 47.2             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4907        | 127          | 21         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 16                | 2.0             | 23                 | 70.1             | 20                | 26.8            | 10                 | 1.0              |
| 700         | 10307       | 425          | 9          | 4          | 11                | 7.1             | 12                 | 1.5              | 5                 | 0.1             | 0                  | 0.0              | 5                 | 1.0             | 10                 | 7.6              | 14                | 42.7            | 13                 | 39.7             |
| 500         | 19228       | 939          | -4         | -19        | 8                 | 21.5            | 10                 | 35.3             | 8                 | 15.5            | 5                  | 4.3              | 4                 | 1.8             | 5                  | 3.6              | 5                 | 4.8             | 7                  | 11.5             |
| 400         | 24872       | 1298         | -16        | -29        | 8                 | 8.8             | 12                 | 31.8             | 13                | 46.4            | 9                  | 7.6              | 6                 | 1.5             | 5                  | 0.5              | 5                 | 1.0             | 7                  | 2.0              |
| 300         | 31794       | 1729         | -31        | -43        | 10                | 1.6             | 14                 | 17.1             | 19                | 72.7            | 12                 | 7.3              | 11                | 0.5             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.5              |
| 250         | 35938       | 1939         | -41        | .          | 12                | 1.3             | 17                 | 12.0             | 24                | 73.9            | 18                 | 10.6             | 10                | 1.0             | 0                  | 0.0              | 7                 | 0.5             | 9                  | 0.3              |
| 200         | 40795       | 2133         | -54        | .          | 14                | 0.1             | 22                 | 8.5              | 31                | 79.1            | 23                 | 10.5             | 11                | 1.1             | 5                  | 0.1              | 0                 | 0.0             | 8                  | 0.3              |
| 150         | 46692       | 2045         | -67        | .          | 15                | 0.3             | 20                 | 2.6              | 36                | 83.8            | 25                 | 12.5             | 13                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 5                  | 0.3              |
| 100         | 54471       | 1388         | -75        | .          | 13                | 0.1             | 19                 | 2.5              | 34                | 87.4            | 26                 | 9.3              | 5                 | 0.1             | 2                  | 0.1              | 0                 | 0.0             | 1                  | 0.1              |
| 70          | 61346       | 842          | -69        | .          | 0                 | 0.0             | 24                 | 6.8              | 31                | 89.8            | 23                 | 3.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 67999       | 492          | -63        | .          | 0                 | 0.0             | 21                 | 6.6              | 32                | 89.1            | 23                 | 4.0              | 18                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78543       | 299          | -55        | .          | 11                | 1.8             | 19                 | 9.3              | 36                | 79.4            | 21                 | 6.3              | 9                 | 1.0             | 9                  | 0.8              | 8                 | 0.8             | 9                  | 0.3              |
| 20          | 87244       | 363          | -50        | .          | 3                 | 0.6             | 12                 | 3.2              | 19                | 36.2            | 10                 | 5.9              | 4                 | 2.2             | 5                  | 0.6              | 2                 | 0.4             | 3                  | 0.1              |
| 10          | 102209      | 324          | -42        | .          | 7                 | 1.3             | 24                 | 6.6              | 38                | 72.6            | 19                 | 11.9             | 8                 | 4.6             | 11                 | 1.3              | 5                 | 0.9             | 6                  | 0.3              |

SEP Latitude=12.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 30  | 19  | 5     | 9.6  | 4     | 13.3 | 5     | 19.9 | 5     | 4.3  |
| 1000 | 168    | -196 | 33  | 25  | 6     | 7.5  | 6     | 10.8 | 5     | 11.0 | 6     | 11.6 |
| 850  | 4878   | 98   | 25  | 15  | 7     | 8.5  | 7     | 13.1 | 6     | 13.3 | 6     | 7.1  |
| 700  | 10347  | 465  | 12  | 4   | 11    | 15.0 | 11    | 32.2 | 8     | 5.5  | 6     | 8.1  |
| 500  | 19278  | 989  | -6  | -15 | 9     | 5.6  | 13    | 42.4 | 5     | 0.8  | 6     | 1.0  |
| 400  | 24908  | 1334 | -16 | -28 | 9     | 2.5  | 15    | 63.2 | 9     | 0.5  | 1     | 0.1  |
| 300  | 31827  | 1762 | -31 | -42 | 12    | 1.1  | 16    | 63.2 | 6     | 1.1  | 3     | 0.6  |
| 250  | 35976  | 1977 | -41 | .   | 8     | 1.0  | 21    | 67.2 | 12    | 2.3  | 7     | 1.1  |
| 200  | 40836  | 2174 | -53 | .   | 7     | 0.8  | 24    | 63.2 | 15    | 3.3  | 11    | 0.6  |
| 150  | 46741  | 2094 | -67 | .   | 17    | 0.6  | 28    | 65.4 | 17    | 3.6  | 9     | 0.3  |
| 100  | 54521  | 1438 | -75 | .   | 12    | 0.6  | 32    | 74.9 | 18    | 1.3  | 5     | 0.5  |
| 70   | 61394  | 890  | -69 | .   | 7     | 0.3  | 30    | 87.6 | 6     | 0.3  | 8     | 0.1  |
| 50   | 68049  | 542  | -63 | .   | 10    | 0.5  | 31    | 86.8 | 0     | 0.0  | 0     | 0.0  |
| 30   | 78588  | 344  | -55 | .   | 12    | 0.8  | 35    | 83.8 | 23    | 0.1  | 10    | 0.1  |
| 20   | 87290  | 409  | -50 | .   | 5     | 0.2  | 18    | 40.9 | 6     | 0.2  | 0     | 0.0  |
| 10   | 102246 | 361  | -41 | .   | 10    | 0.6  | 37    | 81.9 | 13    | 0.6  | 0     | 0.0  |

SEP Latitude=12.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 30  | 24  | 4     | 6.3  | 7     | 18.3 | 6     | 13.9 | 6     | 7.3  |
| 1000 | 175    | -189 | 32  | 26  | 5     | 2.8  | 9     | 16.6 | 7     | 20.5 | 9     | 5.5  |
| 850  | 4881   | 101  | 24  | 14  | 3     | 1.6  | 10    | 19.1 | 7     | 16.0 | 9     | 13.0 |
| 700  | 10336  | 454  | 11  | 4   | 8     | 15.5 | 12    | 14.0 | 7     | 2.5  | 6     | 3.3  |
| 500  | 19272  | 983  | -5  | -17 | 10    | 11.3 | 14    | 27.3 | 5     | 1.1  | 0     | 0.0  |
| 400  | 24909  | 1335 | -16 | -29 | 8     | 2.5  | 16    | 60.6 | 7     | 1.5  | 4     | 0.3  |
| 300  | 31831  | 1766 | -31 | -43 | 12    | 1.8  | 22    | 68.9 | 10    | 1.8  | 6     | 0.6  |
| 250  | 35978  | 1979 | -41 | .   | 11    | 2.0  | 25    | 65.9 | 15    | 1.8  | 11    | 0.3  |
| 200  | 40837  | 2175 | -53 | .   | 12    | 1.0  | 30    | 69.6 | 15    | 2.8  | 13    | 0.1  |
| 150  | 46740  | 2093 | -67 | .   | 28    | 0.8  | 32    | 73.7 | 16    | 1.1  | 4     | 0.1  |
| 100  | 54520  | 1437 | -75 | .   | 22    | 0.6  | 33    | 83.3 | 0     | 0.0  | 0     | 0.0  |
| 70   | 61388  | 884  | -69 | .   | 0     | 0.0  | 31    | 88.6 | 0     | 0.0  | 0     | 0.0  |
| 50   | 68035  | 528  | -63 | .   | 0     | 0.0  | 32    | 85.3 | 4     | 0.1  | 4     | 0.1  |
| 30   | 78571  | 327  | -55 | .   | 18    | 0.1  | 36    | 84.6 | 15    | 0.3  | 0     | 0.5  |
| 20   | 87277  | 396  | -50 | .   | 5     | 0.1  | 18    | 41.2 | 6     | 0.7  | 0     | 0.1  |
| 10   | 102239 | 354  | -41 | .   | 11    | 0.3  | 37    | 82.6 | 12    | 1.6  | 0     | 0.3  |

SEP Latitude=12.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 30  | 25  | 5     | 8.3  | 7     | 16.9 | 6     | 18.6 | 5     | 8.6  |
| 1000 | 152    | -212 | 32  | 25  | 8     | 6.1  | 9     | 16.1 | 8     | 13.6 | 6     | 7.8  |
| 850  | 4885   | 105  | 23  | 13  | 7     | 3.6  | 8     | 11.5 | 8     | 13.5 | 6     | 6.5  |
| 700  | 10330  | 448  | 11  | 2   | 10    | 26.2 | 14    | 47.2 | 11    | 8.6  | 7     | 1.1  |
| 500  | 19257  | 968  | -5  | -19 | 11    | 14.0 | 15    | 60.9 | 14    | 20.2 | 9     | 1.3  |
| 400  | 24901  | 1327 | -16 | -30 | 10    | 3.5  | 15    | 30.7 | 17    | 56.7 | 10    | 5.8  |
| 300  | 31830  | 1765 | -31 | -44 | 13    | 1.8  | 18    | 14.8 | 23    | 72.7 | 15    | 9.0  |
| 250  | 35976  | 1977 | -41 | .   | 13    | 1.6  | 19    | 12.6 | 27    | 69.6 | 18    | 13.1 |
| 200  | 40835  | 2173 | -53 | .   | 15    | 0.5  | 17    | 7.0  | 31    | 75.2 | 23    | 14.6 |
| 150  | 46741  | 2094 | -67 | .   | 27    | 0.6  | 30    | 8.8  | 34    | 73.4 | 27    | 15.6 |
| 100  | 54523  | 1440 | -75 | .   | 9     | 0.6  | 28    | 6.5  | 33    | 85.8 | 28    | 7.0  |
| 70   | 61389  | 885  | -69 | .   | 0     | 0.0  | 23    | 5.5  | 33    | 90.1 | 23    | 4.3  |
| 50   | 68031  | 524  | -63 | .   | 8     | 0.1  | 25    | 4.5  | 34    | 87.4 | 29    | 7.6  |
| 30   | 78570  | 326  | -55 | .   | 16    | 0.5  | 24    | 5.6  | 36    | 83.9 | 24    | 9.5  |
| 20   | 87272  | 391  | -50 | .   | 3     | 0.1  | 13    | 2.7  | 18    | 40.4 | 14    | 5.6  |
| 10   | 102242 | 357  | -41 | .   | 5     | 0.3  | 27    | 5.6  | 37    | 80.9 | 28    | 11.3 |

SEP Latitude=12.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 24  | 5     | 13.6 | 6     | 11.3 | 5     | 11.9 | 7     | 18.3 |
| 1000 | 163    | -201 | 30  | 23  | 9     | 8.0  | 8     | 9.0  | 7     | 13.6 | 9     | 16.0 |
| 850  | 4888   | 108  | 23  | 13  | 5     | 6.5  | 6     | 7.5  | 6     | 7.6  | 6     | 4.6  |
| 700  | 10317  | 435  | 10  | 3   | 10    | 29.0 | 13    | 30.7 | 11    | 5.8  | 4     | 0.6  |
| 500  | 19245  | 956  | -4  | -19 | 11    | 18.3 | 14    | 50.5 | 12    | 21.3 | 6     | 3.0  |
| 400  | 24894  | 1320 | -16 | -29 | 12    | 2.3  | 15    | 33.2 | 16    | 55.2 | 9     | 7.0  |
| 300  | 31826  | 1761 | -31 | -43 | 11    | 0.6  | 17    | 15.3 | 22    | 76.7 | 13    | 6.5  |
| 250  | 35974  | 1975 | -41 | .   | 14    | 0.6  | 19    | 8.5  | 26    | 76.2 | 18    | 12.6 |
| 200  | 40837  | 2175 | -53 | .   | 0     | 0.0  | 21    | 6.3  | 32    | 78.6 | 24    | 13.0 |
| 150  | 46745  | 2098 | -67 | .   | 5     | 0.1  | 25    | 4.0  | 36    | 78.7 | 27    | 16.1 |
| 100  | 54525  | 1442 | -75 | .   | 0     | 0.0  | 23    | 3.8  | 35    | 87.8 | 30    | 8.1  |
| 70   | 61392  | 888  | -69 | .   | 0     | 0.0  | 27    | 4.5  | 33    | 92.3 | 27    | 3.1  |
| 50   | 68038  | 531  | -63 | .   | 0     | 0.0  | 27    | 4.6  | 34    | 90.4 | 27    | 4.5  |
| 30   | 78580  | 336  | -55 | .   | 17    | 0.5  | 24    | 6.5  | 36    | 85.3 | 25    | 7.1  |
| 20   | 87281  | 400  | -50 | .   | 0     | 0.0  | 13    | 3.1  | 18    | 40.4 | 13    | 5.6  |
| 10   | 102254 | 369  | -41 | .   | 0     | 0.0  | 27    | 6.3  | 37    | 80.9 | 25    | 11.3 |

SEP Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 2.9              | 15                | 88.9            | 12                 | 7.9              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 204         | -160         | 27         | 24         | 0                 | 0.0             | 0                  | 0.0              | 8                 | 0.3             | 11                 | 4.8              | 18                | 79.9            | 16                 | 14.6             | 6                 | 0.1             | 0                  | 0.0              |
| 850         | 4893        | 113          | 21         | 13         | 5                 | 1.5             | 5                  | 1.3              | 5                 | 1.3             | 7                  | 2.6              | 9                 | 9.1             | 15                 | 55.7             | 13                | 25.0            | 5                  | 2.8              |
| 700         | 10301       | 419          | 9          | 3          | 10                | 19.6            | 11                 | 18.6             | 8                 | 5.8             | 5                  | 1.8              | 4                 | 1.3             | 9                  | 4.8              | 11                | 17.8            | 10                 | 28.5             |
| 500         | 19236       | 947          | -4         | -19        | 9                 | 17.5            | 12                 | 44.9             | 10                | 24.3            | 6                  | 2.0              | 4                 | 1.8             | 4                  | 2.0              | 5                 | 2.5             | 7                  | 4.1              |
| 400         | 24888       | 1314         | -16        | -29        | 9                 | 2.3             | 14                 | 35.5             | 15                | 53.2            | 10                 | 5.3              | 5                 | 1.1             | 3                  | 0.5              | 5                 | 0.6             | 7                  | 0.8              |
| 300         | 31819       | 1754         | -31        | -43        | 10                | 1.0             | 17                 | 10.1             | 22                | 81.8            | 15                 | 6.1              | 9                 | 0.6             | 5                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 250         | 35969       | 1970         | -41        | .          | 10                | 0.5             | 19                 | 7.8              | 27                | 77.9            | 19                 | 12.5             | 14                | 0.8             | 9                  | 0.1              | 12                | 0.1             | 0                  | 0.0              |
| 200         | 40834       | 2172         | -53        | .          | 13                | 0.1             | 25                 | 4.1              | 33                | 82.6            | 23                 | 11.8             | 16                | 0.6             | 11                 | 0.3              | 1                 | 0.1             | 0                  | 0.0              |
| 150         | 46742       | 2095         | -67        | .          | 0                 | 0.0             | 26                 | 2.1              | 37                | 82.3            | 30                 | 15.0             | 17                | 0.5             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54520       | 1437         | -75        | .          | 0                 | 0.0             | 27                 | 0.8              | 37                | 89.4            | 28                 | 9.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61389       | 885          | -69        | .          | 0                 | 0.0             | 27                 | 4.1              | 35                | 92.1            | 28                 | 3.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 50          | 68039       | 532          | -63        | .          | 0                 | 0.0             | 28                 | 4.1              | 35                | 91.4            | 26                 | 4.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 30          | 78582       | 338          | -55        | .          | 6                 | 0.3             | 23                 | 7.8              | 36                | 85.3            | 24                 | 6.0              | 5                 | 0.1             | 6                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87283       | 402          | -50        | .          | 0                 | 0.0             | 14                 | 3.9              | 18                | 40.2            | 11                 | 4.9              | 3                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102248      | 363          | -42        | .          | 0                 | 0.0             | 28                 | 7.9              | 37                | 80.6            | 22                 | 9.9              | 5                 | 1.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

OCT Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 22         | 15         | 3                 | 2.2             | 3                  | 2.2              | 4                 | 4.8             | 4                  | 13.2             | 4                 | 38.3            | 4                  | 28.3             | 4                 | 7.4             | 2                  | 1.6              |
| 1000        | 357         | -7           | 29         | 22         | 4                 | 1.1             | 4                  | 2.4              | 5                 | 7.3             | 7                  | 24.6             | 8                 | 36.6            | 7                  | 20.5             | 6                 | 5.0             | 4                  | 1.3              |
| 850         | 4946        | 166          | 21         | 15         | 3                 | 0.9             | 5                  | 3.4              | 6                 | 8.3             | 7                  | 22.2             | 9                 | 41.8            | 9                  | 19.9             | 6                 | 2.1             | 3                  | 0.8              |
| 700         | 10344       | 462          | 9          | 4          | 8                 | 13.7            | 9                  | 35.6             | 9                 | 22.5            | 6                  | 7.0              | 7                 | 4.9             | 7                  | 6.0              | 7                 | 4.5             | 5                  | 4.7              |
| 500         | 19250       | 961          | -6         | -17        | 8                 | 5.2             | 11                 | 28.9             | 13                | 50.1            | 8                  | 10.4             | 5                 | 3.2             | 5                  | 0.3              | 3                 | 0.3             | 6                  | 1.1              |
| 400         | 24882       | 1308         | -16        | -28        | 8                 | 3.7             | 11                 | 20.2             | 15                | 51.4            | 12                 | 14.0             | 7                 | 2.7             | 5                  | 1.6              | 8                 | 2.4             | 6                  | 3.2              |
| 300         | 31770       | 1705         | -31        | -44        | 10                | 7.0             | 12                 | 12.7             | 17                | 35.7            | 14                 | 20.5             | 10                | 5.3             | 10                 | 4.5              | 10                | 5.8             | 9                  | 8.0              |
| 250         | 35921       | 1922         | -42        | .          | 10                | 7.3             | 13                 | 14.2             | 17                | 27.1            | 17                 | 17.9             | 11                | 8.8             | 12                 | 8.3              | 13                | 9.1             | 11                 | 6.5              |
| 200         | 40771       | 2109         | -54        | .          | 11                | 5.3             | 13                 | 10.6             | 18                | 28.4            | 17                 | 18.4             | 13                | 12.4            | 12                 | 8.6              | 12                | 9.4             | 15                 | 6.2              |
| 150         | 46654       | 2007         | -68        | .          | 12                | 5.2             | 13                 | 11.9             | 19                | 32.3            | 16                 | 19.2             | 13                | 7.6             | 11                 | 8.3              | 12                | 8.8             | 13                 | 6.2              |
| 100         | 54404       | 1321         | -76        | .          | 10                | 8.6             | 14                 | 15.6             | 18                | 41.3            | 15                 | 12.9             | 9                 | 5.2             | 11                 | 4.4              | 10                | 4.4             | 10                 | 6.6              |
| 70          | 61209       | 705          | -71        | .          | 10                | 4.9             | 13                 | 16.3             | 18                | 50.0            | 15                 | 13.0             | 9                 | 4.0             | 12                 | 4.4              | 7                 | 2.7             | 10                 | 3.7              |
| 50          | 67814       | 307          | -64        | .          | 9                 | 2.9             | 15                 | 14.8             | 23                | 46.5            | 15                 | 14.3             | 9                 | 7.0             | 11                 | 5.3              | 11                | 4.9             | 14                 | 3.5              |
| 30          | 78316       | 72           | -55        | .          | 17                | 2.4             | 21                 | 11.9             | 32                | 52.2            | 19                 | 11.2             | 12                | 6.3             | 14                 | 6.6              | 15                | 6.0             | 16                 | 2.7              |
| 20          | 87017       | 136          | -50        | .          | 4                 | 0.7             | 12                 | 4.9              | 16                | 22.3            | 12                 | 4.6              | 3                 | 0.9             | 9                  | 3.0              | 12                | 11.0            | 8                  | 1.8              |
| 10          | 102030      | 145          | -40        | .          | 9                 | 1.6             | 24                 | 9.9              | 31                | 44.8            | 24                 | 9.3              | 5                 | 1.9             | 18                 | 6.1              | 24                | 22.2            | 16                 | 3.8              |

OCT Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 17  | 3     | 0.3  | 3     | 0.9  | 5     | 8.0  | 6     | 25.8 | 7     | 33.5 | 9     | 28.0 | 4     | 1.6  | 6     | 0.6  |
| 1000 | 339    | -25  | 29  | 21  | 5     | 0.3  | 4     | 0.9  | 6     | 10.7 | 7     | 23.8 | 8     | 33.6 | 11    | 26.7 | 6     | 2.1  | 6     | 0.8  |
| 850  | 4953   | 173  | 20  | 15  | 3     | 0.4  | 7     | 3.4  | 8     | 15.0 | 8     | 19.6 | 10    | 25.1 | 13    | 32.6 | 6     | 1.4  | 5     | 1.4  |
| 700  | 10339  | 457  | 9   | 4   | 8     | 19.9 | 10    | 31.8 | 9     | 15.5 | 6     | 3.7  | 6     | 1.9  | 6     | 5.5  | 8     | 8.9  | 7     | 11.4 |
| 500  | 19251  | 962  | -6  | -17 | 8     | 8.0  | 11    | 26.6 | 13    | 50.4 | 9     | 6.0  | 6     | 2.2  | 4     | 1.9  | 4     | 2.4  | 7     | 1.6  |
| 400  | 24875  | 1301 | -16 | -28 | 7     | 5.5  | 12    | 21.0 | 15    | 50.6 | 11    | 10.7 | 7     | 2.6  | 8     | 2.2  | 8     | 2.7  | 6     | 3.7  |
| 300  | 31774  | 1709 | -32 | -43 | 8     | 8.4  | 13    | 16.5 | 16    | 37.5 | 14    | 13.7 | 7     | 5.7  | 9     | 4.9  | 11    | 6.0  | 11    | 6.5  |
| 250  | 35923  | 1924 | -42 | .   | 10    | 7.8  | 13    | 15.1 | 17    | 26.7 | 16    | 18.3 | 11    | 8.0  | 13    | 6.8  | 13    | 8.6  | 11    | 7.6  |
| 200  | 40774  | 2112 | -54 | .   | 11    | 4.7  | 15    | 10.1 | 18    | 31.8 | 16    | 16.5 | 12    | 12.2 | 14    | 9.4  | 13    | 7.5  | 13    | 7.3  |
| 150  | 46659  | 2012 | -68 | .   | 10    | 6.5  | 12    | 11.1 | 21    | 32.8 | 17    | 17.4 | 13    | 8.9  | 12    | 8.1  | 12    | 8.9  | 13    | 5.5  |
| 100  | 54405  | 1322 | -76 | .   | 9     | 8.0  | 13    | 18.4 | 18    | 40.0 | 15    | 14.3 | 9     | 4.2  | 9     | 2.7  | 11    | 4.5  | 9     | 7.1  |
| 70   | 61211  | 707  | -71 | .   | 10    | 4.5  | 13    | 17.4 | 18    | 52.1 | 13    | 11.4 | 8     | 2.9  | 10    | 2.9  | 10    | 3.2  | 9     | 4.5  |
| 50   | 67815  | 308  | -64 | .   | 7     | 3.2  | 15    | 15.3 | 22    | 50.6 | 14    | 11.2 | 10    | 5.8  | 12    | 4.9  | 9     | 4.7  | 13    | 3.9  |
| 30   | 78318  | 74   | -55 | .   | 13    | 2.2  | 22    | 9.8  | 31    | 55.0 | 19    | 10.2 | 14    | 5.7  | 15    | 6.6  | 14    | 6.0  | 17    | 3.7  |
| 20   | 87020  | 139  | -50 | .   | 6     | 0.5  | 13    | 3.6  | 16    | 23.5 | 13    | 5.1  | 4     | 0.5  | 9     | 3.1  | 12    | 9.6  | 8     | 3.1  |
| 10   | 102033 | 148  | -40 | .   | 12    | 1.2  | 26    | 7.4  | 33    | 47.0 | 25    | 10.3 | 9     | 1.2  | 17    | 6.4  | 25    | 19.3 | 17    | 6.4  |

OCT Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 18  | 0     | 0.0  | 6     | 1.6  | 7     | 15.1 | 7     | 32.9 | 8     | 34.1 | 10    | 16.1 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 330    | -34  | 29  | 21  | 3     | 0.3  | 7     | 1.7  | 8     | 17.9 | 8     | 29.2 | 9     | 32.3 | 12    | 16.8 | 9     | 1.3  | 0     | 0.0  |
| 850  | 4958   | 178  | 19  | 14  | 5     | 3.1  | 9     | 10.9 | 9     | 21.4 | 7     | 11.7 | 9     | 11.9 | 14    | 32.1 | 11    | 5.3  | 4     | 2.4  |
| 700  | 10337  | 455  | 9   | 3   | 10    | 24.0 | 11    | 26.9 | 10    | 13.7 | 6     | 2.1  | 7     | 1.1  | 8     | 2.2  | 10    | 9.3  | 9     | 20.4 |
| 500  | 19244  | 955  | -5  | -18 | 8     | 7.8  | 12    | 27.9 | 13    | 45.2 | 9     | 7.0  | 7     | 1.7  | 7     | 1.6  | 5     | 4.0  | 6     | 3.9  |
| 400  | 24874  | 1300 | -16 | -30 | 9     | 7.0  | 13    | 24.6 | 15    | 45.0 | 11    | 9.1  | 7     | 3.1  | 8     | 3.2  | 8     | 2.6  | 7     | 4.2  |
| 300  | 31778  | 1713 | -32 | -44 | 10    | 8.3  | 14    | 16.5 | 16    | 38.7 | 13    | 13.2 | 6     | 3.7  | 10    | 4.0  | 10    | 8.4  | 9     | 6.2  |
| 250  | 35925  | 1926 | -42 | .   | 10    | 8.1  | 14    | 16.3 | 18    | 28.4 | 15    | 16.5 | 9     | 6.8  | 12    | 6.3  | 12    | 10.6 | 11    | 6.5  |
| 200  | 40777  | 2115 | -54 | .   | 10    | 5.0  | 15    | 13.8 | 19    | 30.3 | 16    | 16.9 | 13    | 10.1 | 15    | 9.4  | 12    | 8.8  | 13    | 4.7  |
| 150  | 46661  | 2014 | -68 | .   | 11    | 5.8  | 13    | 13.0 | 22    | 33.4 | 18    | 16.1 | 12    | 8.8  | 12    | 8.1  | 13    | 8.8  | 11    | 5.5  |
| 100  | 54406  | 1323 | -76 | .   | 11    | 5.5  | 13    | 15.1 | 18    | 43.9 | 16    | 15.1 | 8     | 5.3  | 9     | 2.9  | 10    | 3.2  | 9     | 8.0  |
| 70   | 61214  | 710  | -71 | .   | 9     | 5.8  | 13    | 17.1 | 19    | 52.4 | 12    | 12.2 | 8     | 2.9  | 11    | 2.9  | 8     | 2.7  | 10    | 3.5  |
| 50   | 67817  | 310  | -64 | .   | 8     | 3.5  | 14    | 13.7 | 23    | 53.2 | 14    | 10.7 | 11    | 5.0  | 13    | 4.7  | 9     | 4.2  | 9     | 3.9  |
| 30   | 78323  | 79   | -55 | .   | 9     | 2.9  | 20    | 8.3  | 32    | 56.2 | 20    | 9.3  | 13    | 6.0  | 15    | 7.3  | 16    | 6.5  | 15    | 3.1  |
| 20   | 87025  | 144  | -50 | .   | 5     | 0.9  | 13    | 3.5  | 17    | 23.3 | 13    | 4.9  | 3     | 1.0  | 9     | 3.8  | 12    | 8.5  | 10    | 3.5  |
| 10   | 102036 | 151  | -40 | .   | 11    | 1.9  | 27    | 7.0  | 35    | 46.7 | 25    | 9.9  | 7     | 2.2  | 17    | 7.7  | 24    | 17.0 | 19    | 7.0  |

OCT Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 4                 | 1.6             | 8                  | 12.5             | 9                 | 22.5            | 9                  | 15.1             | 12                | 34.1            | 14                 | 13.5             | 2                 | 0.3             | 0                  | 0.0              |
| 1000        | 324         | -40          | 27         | 22         | 6                 | 0.4             | 9                  | 10.6             | 10                | 23.6            | 10                 | 17.1             | 12                | 32.1            | 16                 | 15.1             | 8                 | 0.3             | 0                  | 0.0              |
| 850         | 4957        | 177          | 18         | 12         | 8                 | 10.2            | 11                 | 27.4             | 9                 | 14.0            | 4                  | 1.9              | 6                 | 3.4             | 13                 | 22.2             | 13                | 15.3            | 6                  | 4.2              |
| 700         | 10328       | 446          | 9          | -0         | 11                | 24.6            | 10                 | 24.1             | 11                | 14.0            | 7                  | 3.5              | 8                 | 1.7             | 8                  | 2.1              | 10                | 7.3             | 11                 | 21.5             |
| 500         | 19239       | 950          | -5         | -18        | 8                 | 8.0             | 12                 | 29.7             | 13                | 40.8            | 8                  | 7.3              | 5                 | 2.7             | 6                  | 2.6              | 9                 | 3.4             | 7                  | 4.0              |
| 400         | 24874       | 1300         | -16        | -31        | 9                 | 5.7             | 13                 | 26.6             | 15                | 41.1            | 10                 | 10.6             | 7                 | 4.0             | 8                  | 3.1              | 7                 | 4.2             | 8                  | 3.7              |
| 300         | 31786       | 1721         | -32        | -45        | 8                 | 9.4             | 13                 | 19.1             | 16                | 34.3            | 12                 | 14.5             | 8                 | 3.9             | 10                 | 5.5              | 10                | 6.8             | 9                  | 5.3              |
| 250         | 35929       | 1930         | -41        | .          | 11                | 7.0             | 15                 | 13.8             | 18                | 33.6            | 14                 | 14.2             | 9                 | 6.5             | 13                 | 7.8              | 12                | 10.1            | 10                 | 6.3              |
| 200         | 40780       | 2118         | -54        | .          | 11                | 5.2             | 18                 | 11.4             | 20                | 34.1            | 15                 | 17.8             | 11                | 8.1             | 16                 | 10.9             | 14                | 8.1             | 14                 | 3.9              |
| 150         | 46662       | 2015         | -68        | .          | 11                | 5.2             | 14                 | 11.6             | 24                | 35.1            | 17                 | 18.6             | 12                | 7.8             | 11                 | 8.0              | 13                | 8.4             | 11                 | 4.9              |
| 100         | 54410       | 1327         | -76        | .          | 10                | 5.5             | 14                 | 12.4             | 19                | 46.0            | 16                 | 16.3             | 8                 | 6.6             | 9                  | 3.5              | 8                 | 4.2             | 10                 | 4.7              |
| 70          | 61220       | 716          | -71        | .          | 9                 | 5.8             | 13                 | 15.6             | 19                | 55.5            | 13                 | 11.9             | 8                 | 2.9             | 11                 | 2.7              | 12                | 1.7             | 6                  | 3.1              |
| 50          | 67817       | 310          | -64        | .          | 8                 | 5.3             | 14                 | 13.7             | 22                | 54.9            | 13                 | 9.9              | 11                | 4.7             | 13                 | 4.5              | 11                | 3.1             | 8                  | 3.1              |
| 30          | 78321       | 77           | -55        | .          | 12                | 2.2             | 18                 | 8.0              | 32                | 59.1            | 19                 | 7.3              | 11                | 3.7             | 15                 | 7.6              | 17                | 7.8             | 12                 | 3.9              |
| 20          | 87018       | 137          | -50        | .          | 3                 | 0.5             | 13                 | 2.6              | 17                | 23.8            | 12                 | 5.5              | 4                 | 0.7             | 10                 | 3.3              | 11                | 9.3             | 8                  | 3.5              |
| 10          | 102035      | 150          | -40        | .          | 7                 | 1.2             | 26                 | 5.4              | 35                | 47.7            | 23                 | 11.2             | 9                 | 1.6             | 21                 | 6.7              | 22                | 18.7            | 17                 | 7.0              |

OCT Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 24         | 6                 | 7.0             | 7                  | 21.6             | 5                 | 8.3             | 5                  | 4.5              | 10                | 26.7            | 10                 | 24.8             | 4                 | 1.9             | 4                  | 2.9              |
| 1000        | 327         | -37          | 25         | 22         | 7                 | 8.3             | 9                  | 21.8             | 6                 | 9.3             | 6                  | 7.6              | 11                | 20.4            | 13                 | 26.4             | 5                 | 2.7             | 5                  | 2.1              |
| 850         | 4956        | 176          | 18         | 10         | 7                 | 10.2            | 10                 | 23.3             | 10                | 17.9            | 6                  | 4.0              | 6                 | 3.1             | 10                 | 13.3             | 13                | 21.4            | 6                  | 6.2              |
| 700         | 10320       | 438          | 9          | -2         | 9                 | 16.0            | 9                  | 22.5             | 10                | 17.4            | 7                  | 5.0              | 8                 | 3.1             | 7                  | 3.1              | 10                | 11.2            | 11                 | 20.7             |
| 500         | 19236       | 947          | -5         | -18        | 8                 | 8.8             | 12                 | 28.2             | 12                | 39.0            | 7                  | 6.2              | 6                 | 4.5             | 6                  | 2.7              | 10                | 4.9             | 9                  | 4.5              |
| 400         | 24874       | 1300         | -16        | -30        | 7                 | 6.0             | 14                 | 24.6             | 14                | 40.1            | 9                  | 12.2             | 6                 | 4.4             | 6                  | 2.2              | 8                 | 5.2             | 8                  | 4.4              |
| 300         | 31790       | 1725         | -32        | -45        | 9                 | 7.5             | 13                 | 19.1             | 17                | 33.6            | 12                 | 13.8             | 9                 | 7.5             | 9                  | 5.5              | 9                 | 6.6             | 8                  | 5.3              |
| 250         | 35931       | 1932         | -41        | .          | 10                | 6.2             | 15                 | 13.8             | 18                | 34.8            | 14                 | 14.5             | 12                | 6.5             | 12                 | 8.4              | 13                | 9.6             | 9                  | 5.7              |
| 200         | 40781       | 2119         | -54        | .          | 10                | 4.0             | 18                 | 11.1             | 21                | 35.6            | 16                 | 18.7             | 13                | 8.1             | 15                 | 10.1             | 15                | 8.6             | 13                 | 2.9              |
| 150         | 46662       | 2015         | -68        | .          | 12                | 2.7             | 17                 | 8.8              | 24                | 40.1            | 18                 | 19.1             | 12                | 8.3             | 11                 | 7.8              | 12                | 8.3             | 11                 | 4.0              |
| 100         | 54408       | 1325         | -76        | .          | 9                 | 3.9             | 14                 | 9.1              | 20                | 48.0            | 15                 | 20.9             | 10                | 6.8             | 7                  | 4.0              | 9                 | 3.4             | 9                  | 2.9              |
| 70          | 61219       | 715          | -71        | .          | 7                 | 4.9             | 14                 | 13.8             | 18                | 59.3            | 13                 | 11.4             | 8                 | 2.2             | 9                  | 2.9              | 13                | 1.7             | 6                  | 3.1              |
| 50          | 67818       | 311          | -64        | .          | 7                 | 6.3             | 13                 | 13.2             | 23                | 53.4            | 12                 | 12.5             | 9                 | 3.4             | 12                 | 3.5              | 11                | 4.5             | 9                  | 2.6              |
| 30          | 78321       | 77           | -55        | .          | 10                | 2.7             | 19                 | 8.1              | 32                | 58.8            | 17                 | 7.0              | 13                | 1.4             | 14                 | 5.8              | 17                | 10.4            | 12                 | 5.2              |
| 20          | 87019       | 138          | -50        | .          | 3                 | 0.9             | 14                 | 3.3              | 17                | 22.8            | 10                 | 5.1              | 4                 | 0.7             | 10                 | 2.6              | 10                | 9.7             | 8                  | 4.0              |
| 10          | 102032      | 147          | -40        | .          | 6                 | 1.9             | 29                 | 6.7              | 35                | 45.8            | 20                 | 10.3             | 9                 | 1.6             | 20                 | 5.4              | 21                | 19.6            | 16                 | 8.0              |

OCT Latitude=10.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 22         | 13         | 4                 | 9.9             | 5                  | 25.1             | 4                 | 22.2            | 3                  | 18.7             | 4                 | 14.5            | 3                  | 2.9              | 2                 | 1.6             | 2                  | 0.6              |
| 1000        | 349         | -15          | 30         | 22         | 8                 | 7.1             | 7                  | 25.1             | 6                 | 31.0            | 6                  | 20.9             | 7                 | 10.1            | 5                  | 2.6              | 3                 | 0.8             | 3                  | 1.3              |
| 850         | 4939        | 159          | 21         | 15         | 8                 | 5.7             | 8                  | 20.4             | 8                 | 36.4            | 7                  | 22.3             | 7                 | 9.9             | 5                  | 2.2              | 4                 | 0.6             | 3                  | 1.4              |
| 700         | 10355       | 473          | 10         | 3          | 8                 | 2.1             | 10                 | 22.3             | 10                | 50.9            | 8                  | 15.5             | 7                 | 4.2             | 4                  | 2.2              | 4                 | 1.3             | 4                  | 0.9              |
| 500         | 19259       | 970          | -6         | -19        | 7                 | 4.9             | 11                 | 26.4             | 15                | 56.5            | 8                  | 8.0              | 8                 | 1.7             | 6                  | 0.8              | 4                 | 0.3             | 5                  | 0.3              |
| 400         | 24897       | 1323         | -16        | -29        | 7                 | 3.9             | 11                 | 14.3             | 15                | 57.0            | 11                 | 16.0             | 7                 | 2.6             | 6                  | 1.6              | 6                 | 1.3             | 5                  | 2.4              |
| 300         | 31780       | 1715         | -31        | -44        | 9                 | 4.5             | 14                 | 15.0             | 17                | 37.2            | 15                 | 20.4             | 10                | 7.3             | 8                  | 5.3              | 9                 | 3.9             | 10                 | 5.5              |
| 250         | 35933       | 1934         | -42        | .          | 10                | 5.0             | 13                 | 13.5             | 17                | 27.7            | 16                 | 23.8             | 12                | 9.6             | 11                 | 7.3              | 11                | 7.0             | 11                 | 5.3              |
| 200         | 40785       | 2123         | -54        | .          | 10                | 6.2             | 12                 | 10.2             | 17                | 27.7            | 17                 | 21.5             | 12                | 12.7            | 12                 | 8.4              | 13                | 6.3             | 14                 | 5.8              |
| 150         | 46573       | 2026         | -68        | .          | 11                | 6.0             | 11                 | 8.6              | 17                | 32.1            | 17                 | 21.2             | 13                | 10.9            | 12                 | 7.5              | 13                | 6.0             | 11                 | 6.8              |
| 100         | 54424       | 1341         | -76        | .          | 9                 | 7.5             | 12                 | 12.2             | 17                | 44.6            | 14                 | 16.0             | 10                | 4.2             | 10                 | 5.0              | 10                | 5.2             | 10                 | 4.2              |
| 70          | 61231       | 727          | -71        | .          | 9                 | 3.9             | 12                 | 15.5             | 19                | 56.8            | 14                 | 12.7             | 9                 | 2.6             | 10                 | 2.1              | 9                 | 2.4             | 10                 | 2.9              |
| 50          | 67836       | 329          | -64        | .          | 12                | 2.4             | 15                 | 13.7             | 23                | 59.8            | 15                 | 11.7             | 9                 | 4.7             | 8                  | 2.6              | 12                | 2.6             | 11                 | 1.9              |
| 30          | 78342       | 98           | -55        | .          | 12                | 2.1             | 20                 | 10.4             | 30                | 62.5            | 18                 | 11.4             | 9                 | 5.5             | 11                 | 2.6              | 16                | 2.4             | 12                 | 2.7              |
| 20          | 87043       | 162          | -50        | .          | 4                 | 0.9             | 9                  | 4.5              | 15                | 23.0            | 10                 | 5.9              | 6                 | 1.7             | 7                  | 3.5              | 10                | 8.5             | 5                  | 1.4              |
| 10          | 102067      | 182          | -41        | .          | 9                 | 1.9             | 19                 | 9.0              | 30                | 46.1            | 21                 | 11.9             | 13                | 3.5             | 14                 | 7.0              | 20                | 17.0            | 10                 | 2.9              |

OCT Latitude=10.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 17         | 6                 | 23.2            | 4                  | 16.1             | 3                 | 10.3            | 3                  | 7.7              | 4                 | 13.5            | 4                  | 12.9             | 3                 | 3.2             | 4                  | 8.0              |
| 1000        | 322         | -42          | 30         | 22         | 10                | 19.2            | 9                  | 22.2             | 7                 | 24.6            | 5                  | 12.5             | 6                 | 7.1             | 6                  | 6.0              | 4                 | 3.7             | 5                  | 3.1              |
| 850         | 4949        | 169          | 21         | 14         | 9                 | 5.0             | 9                  | 18.4             | 9                 | 29.7            | 6                  | 18.3             | 7                 | 12.2            | 8                  | 9.6              | 4                 | 2.9             | 4                  | 2.1              |
| 700         | 10352       | 470          | 9          | 2          | 8                 | 8.0             | 10                 | 31.5             | 9                 | 35.2            | 6                  | 9.1              | 5                 | 4.5             | 7                  | 3.4              | 6                 | 4.0             | 4                  | 1.6              |
| 500         | 19259       | 970          | -5         | -20        | 8                 | 6.5             | 12                 | 27.6             | 15                | 56.3            | 10                 | 5.5              | 7                 | 1.1             | 3                  | 0.6              | 4                 | 0.9             | 2                  | 0.4              |
| 400         | 24891       | 1317         | -16        | -29        | 7                 | 4.0             | 11                 | 17.9             | 16                | 57.3            | 11                 | 12.2             | 8                 | 2.6             | 5                  | 1.4              | 6                 | 2.2             | 6                  | 1.4              |
| 300         | 31787       | 1722         | -32        | -44        | 8                 | 4.5             | 13                 | 17.4             | 17                | 40.1            | 13                 | 17.1             | 8                 | 5.0             | 8                  | 3.9              | 9                 | 5.2             | 10                 | 6.2              |
| 250         | 35934       | 1935         | -42        | .          | 10                | 4.7             | 13                 | 12.9             | 18                | 31.3            | 15                 | 20.4             | 11                | 9.9             | 10                 | 6.2              | 11                | 8.0             | 12                 | 6.0              |
| 200         | 40785       | 2123         | -54        | .          | 10                | 4.2             | 13                 | 9.1              | 19                | 28.5            | 16                 | 21.2             | 12                | 13.2            | 12                 | 9.4              | 11                | 8.0             | 13                 | 5.7              |
| 150         | 46671       | 2024         | -68        | .          | 10                | 4.9             | 11                 | 9.1              | 20                | 32.0            | 16                 | 21.0             | 13                | 9.9             | 11                 | 10.1             | 13                | 7.0             | 12                 | 5.0              |
| 100         | 54421       | 1338         | -76        | .          | 8                 | 6.2             | 12                 | 12.4             | 17                | 45.2            | 16                 | 18.4             | 10                | 4.2             | 11                 | 3.4              | 10                | 5.2             | 9                  | 4.5              |
| 70          | 61229       | 725          | -71        | .          | 9                 | 5.0             | 13                 | 15.8             | 19                | 57.8            | 14                 | 11.1             | 9                 | 1.7             | 8                  | 2.7              | 9                 | 2.2             | 7                  | 2.6              |
| 50          | 67828       | 321          | -64        | .          | 9                 | 2.9             | 15                 | 12.5             | 23                | 63.3            | 13                 | 10.1             | 10                | 3.9             | 11                 | 2.6              | 12                | 2.1             | 11                 | 2.2              |
| 30          | 78331       | 87           | -55        | .          | 10                | 2.6             | 20                 | 7.6              | 31                | 63.3            | 18                 | 11.7             | 10                | 4.9             | 11                 | 3.7              | 11                | 2.6             | 14                 | 3.1              |
| 20          | 87028       | 147          | -50        | .          | 5                 | 1.5             | 10                 | 2.8              | 15                | 24.0            | 12                 | 6.5              | 5                 | 1.7             | 9                  | 2.5              | 9                 | 7.3             | 7                  | 2.8              |
| 10          | 102057      | 172          | -41        | .          | 10                | 3.2             | 20                 | 5.8              | 30                | 48.0            | 25                 | 13.2             | 11                | 3.5             | 18                 | 5.1              | 19                | 14.8            | 14                 | 5.8              |

OCT Latitude=10.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWPF | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C)  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |      | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 23  | 17   | 6     | 6.4  | 6     | 17.7 | 5     | 20.6 | 4     | 6.4  |
| 1000 | 350    | -14  | 30  | 23   | 7     | 6.2  | 8     | 19.6 | 7     | 16.9 | 5     | 5.3  |
| 850  | 4954   | 174  | 20  | 15   | 7     | 4.5  | 9     | 18.7 | 9     | 13.2 | 6     | 5.7  |
| 700  | 10346  | 464  | 9   | 3    | 8     | 17.8 | 10    | 21.0 | 5     | 1.7  | 7     | 10.6 |
| 500  | 19258  | 969  | -5  | -19  | 9     | 5.5  | 13    | 28.2 | 6     | 1.7  | 3     | 0.6  |
| 400  | 24890  | 1316 | -16 | -29  | 8     | 4.9  | 13    | 19.4 | 8     | 3.4  | 5     | 1.9  |
| 300  | 31782  | 1717 | -31 | -44  | 9     | 8.4  | 14    | 16.6 | 7     | 4.7  | 10    | 4.4  |
| 250  | 35936  | 1937 | -42 | .    | 9     | 6.8  | 13    | 13.7 | 10    | 8.6  | 10    | 7.5  |
| 200  | 40790  | 2128 | -54 | .    | 11    | 4.0  | 13    | 9.3  | 12    | 11.4 | 11    | 9.9  |
| 150  | 46676  | 2029 | -68 | .    | 12    | 4.2  | 13    | 8.1  | 12    | 9.1  | 12    | 10.6 |
| 100  | 54419  | 1336 | -76 | .    | 8     | 4.5  | 13    | 12.9 | 9     | 5.5  | 10    | 3.9  |
| 70   | 61228  | 724  | -71 | .    | 9     | 3.5  | 13    | 14.7 | 8     | 3.5  | 13    | 1.7  |
| 50   | 67831  | 324  | -64 | .    | 8     | 3.7  | 16    | 11.7 | 11    | 3.7  | 11    | 1.6  |
| 30   | 78334  | 90   | -55 | .    | 10    | 3.1  | 20    | 7.5  | 10    | 5.0  | 11    | 3.4  |
| 20   | 87031  | 150  | -50 | .    | 6     | 1.2  | 11    | 4.0  | 5     | 1.8  | 9     | 6.8  |
| 10   | 102063 | 178  | -41 | .    | 12    | 2.5  | 22    | 8.0  | 10    | 3.8  | 18    | 13.8 |

OCT Latitude=10.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWPF | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C)  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |      | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 18   | 3     | 0.3  | 8     | 32.2 | 7     | 26.4 | 0     | 0.0  |
| 1000 | 326    | -38  | 29  | 21   | 4     | 0.3  | 10    | 32.6 | 9     | 23.5 | 8     | 0.3  |
| 850  | 4960   | 180  | 19  | 13   | 6     | 4.7  | 10    | 23.0 | 8     | 9.1  | 8     | 7.8  |
| 700  | 10337  | 455  | 9   | -0   | 10    | 22.2 | 11    | 16.9 | 11    | 0.6  | 10    | 6.0  |
| 500  | 19252  | 963  | -5  | -20  | 7     | 5.7  | 14    | 29.5 | 5     | 1.3  | 6     | 1.9  |
| 400  | 24884  | 1310 | -16 | -31  | 10    | 4.9  | 17    | 53.2 | 9     | 2.6  | 8     | 3.2  |
| 300  | 31789  | 1724 | -31 | -46  | 10    | 7.1  | 14    | 21.7 | 8     | 4.4  | 9     | 6.6  |
| 250  | 35936  | 1937 | -41 | .    | 10    | 7.5  | 14    | 12.5 | 9     | 8.0  | 12    | 9.4  |
| 200  | 40789  | 2127 | -54 | .    | 10    | 3.4  | 17    | 9.8  | 12    | 10.6 | 14    | 10.1 |
| 150  | 46676  | 2029 | -68 | .    | 10    | 3.9  | 14    | 8.0  | 11    | 9.4  | 12    | 10.2 |
| 100  | 54420  | 1337 | -76 | .    | 9     | 3.5  | 13    | 11.2 | 8     | 6.2  | 9     | 3.5  |
| 70   | 61230  | 726  | -71 | .    | 9     | 1.7  | 13    | 14.7 | 8     | 3.4  | 10    | 1.7  |
| 50   | 67830  | 323  | -64 | .    | 8     | 3.4  | 14    | 10.6 | 10    | 3.1  | 17    | 1.4  |
| 30   | 78336  | 92   | -55 | .    | 10    | 3.7  | 19    | 7.5  | 11    | 4.2  | 12    | 5.0  |
| 20   | 87034  | 153  | -50 | .    | 7     | 0.7  | 10    | 5.1  | 5     | 1.2  | 8     | 6.5  |
| 10   | 102060 | 175  | -41 | .    | 13    | 1.6  | 20    | 10.3 | 10    | 2.5  | 16    | 13.2 |

OCT Latitude=10.00 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 27         | 24         | 5                 | 2.5             | 6                  | 21.2             | 6                 | 17.0            | 6                  | 8.3              | 11                | 40.3            | 9                  | 7.7              | 3                 | 1.6             | 4                  | 0.6              |
| 1000        | 323         | -41          | 26         | 22         | 6                 | 2.2             | 9                  | 22.8             | 7                 | 16.8            | 7                  | 10.9             | 13                | 37.5            | 12                 | 8.0              | 5                 | 0.6             | 6                  | 0.4              |
| 850         | 4959        | 179          | 18         | 10         | 7                 | 7.0             | 10                 | 24.3             | 10                | 24.0            | 7                  | 6.8              | 7                 | 3.2             | 10                 | 16.9             | 10                | 13.7            | 6                  | 3.2              |
| 700         | 10324       | 442          | 9          | -4         | 10                | 11.9            | 11                 | 34.1             | 10                | 24.1            | 9                  | 3.9              | 6                 | 1.7             | 10                 | 1.9              | 10                | 6.6             | 11                 | 14.7             |
| 500         | 19246       | 957          | -5         | -20        | 8                 | 4.7             | 14                 | 29.9             | 15                | 48.2            | 7                  | 5.0              | 5                 | 2.4             | 4                  | 1.3              | 7                 | 4.2             | 8                  | 3.7              |
| 400         | 24887       | 1313         | -16        | -31        | 9                 | 3.7             | 14                 | 23.8             | 16                | 53.1            | 10                 | 8.3              | 7                 | 4.0             | 6                  | 1.1              | 10                | 3.4             | 9                  | 1.9              |
| 300         | 31799       | 1734         | -32        | -46        | 9                 | 5.5             | 15                 | 16.0             | 18                | 44.6            | 12                 | 14.0             | 9                 | 5.5             | 10                 | 6.0              | 10                | 4.0             | 8                  | 3.9              |
| 250         | 35940       | 1941         | -41        | .          | 10                | 5.8             | 15                 | 13.2             | 19                | 36.7            | 16                 | 15.8             | 11                | 8.1             | 12                 | 9.3              | 13                | 6.3             | 10                 | 4.0              |
| 200         | 40792       | 2130         | -54        | .          | 11                | 3.1             | 17                 | 9.6              | 22                | 35.9            | 17                 | 17.6             | 14                | 11.2            | 13                 | 11.1             | 16                | 7.1             | 14                 | 3.7              |
| 150         | 46677       | 2030         | -68        | .          | 12                | 3.4             | 16                 | 6.2              | 24                | 37.4            | 19                 | 20.5             | 12                | 10.2            | 12                 | 8.9              | 12                | 8.8             | 11                 | 3.9              |
| 100         | 54423       | 1340         | -76        | .          | 9                 | 2.6             | 11                 | 9.3              | 20                | 50.6            | 17                 | 20.0             | 10                | 7.5             | 12                 | 1.9              | 9                 | 5.2             | 7                  | 2.2              |
| 70          | 61235       | 731          | -71        | .          | 8                 | 1.6             | 14                 | 11.2             | 20                | 67.9            | 14                 | 11.7             | 9                 | 2.7             | 10                 | 2.2              | 11                | 1.4             | 7                  | 1.1              |
| 50          | 67834       | 327          | -64        | .          | 7                 | 2.9             | 15                 | 11.6             | 24                | 65.0            | 14                 | 11.7             | 9                 | 2.4             | 13                 | 2.9              | 13                | 1.6             | 11                 | 1.6              |
| 30          | 78343       | 99           | -55        | .          | 8                 | 3.2             | 18                 | 10.6             | 32                | 62.2            | 18                 | 6.0              | 10                | 2.1             | 12                 | 4.2              | 11                | 7.3             | 10                 | 3.7              |
| 20          | 87040       | 159          | -50        | .          | 3                 | 1.2             | 11                 | 6.7              | 15                | 22.3            | 11                 | 4.9              | 6                 | 0.9             | 8                  | 4.0              | 8                 | 6.4             | 6                  | 2.8              |
| 10          | 102059      | 174          | -41        | .          | 6                 | 2.5             | 22                 | 13.5             | 29                | 44.8            | 22                 | 9.9              | 12                | 1.9             | 16                 | 8.0              | 16                | 12.9            | 12                 | 5.8              |

OCT Latitude=12.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 28         | 17         | 4                 | 6.7             | 5                  | 5.1              | 6                 | 23.5            | 8                  | 58.3             | 5                 | 4.8             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.6              |
| 1000        | 282         | -82          | 30         | 22         | 5                 | 2.9             | 6                  | 3.7              | 9                 | 23.6            | 11                 | 62.7             | 7                 | 5.2             | 4                  | 0.6              | 0                 | 0.0             | 4                  | 0.6              |
| 850         | 4950        | 170          | 21         | 13         | 6                 | 1.9             | 5                  | 2.6              | 12                | 26.7            | 15                 | 65.6             | 5                 | 1.1             | 3                  | 0.3              | 0                 | 0.0             | 4                  | 1.1              |
| 700         | 10368       | 486          | 10         | -1         | 8                 | 1.9             | 10                 | 14.0             | 14                | 69.6            | 10                 | 11.1             | 5                 | 2.2             | 2                  | 0.1              | 5                 | 0.1             | 3                  | 0.1              |
| 500         | 19278       | 989          | -5         | -22        | 7                 | 3.1             | 11                 | 17.4             | 15                | 59.9            | 9                  | 13.3             | 9                 | 2.4             | 4                  | 1.4              | 3                 | 0.4             | 4                  | 1.4              |
| 400         | 24904       | 1330         | -16        | -32        | 8                 | 4.5             | 13                 | 12.7             | 15                | 48.6            | 12                 | 18.6             | 9                 | 5.7             | 9                  | 3.4              | 7                 | 1.6             | 6                  | 4.0              |
| 300         | 31806       | 1741         | -32        | -46        | 11                | 5.3             | 13                 | 12.5             | 16                | 32.8            | 14                 | 22.2             | 12                | 8.1             | 10                 | 6.2              | 10                | 6.3             | 11                 | 6.0              |
| 250         | 35945       | 1946         | -42        | .          | 10                | 7.6             | 14                 | 9.6              | 18                | 27.4            | 16                 | 21.7             | 13                | 8.6             | 13                 | 8.3              | 12                | 9.4             | 12                 | 6.6              |
| 200         | 40792       | 2130         | -54        | .          | 11                | 5.5             | 12                 | 8.9              | 18                | 24.3            | 17                 | 22.3             | 13                | 10.6            | 14                 | 10.2             | 14                | 9.3             | 14                 | 8.3              |
| 150         | 46683       | 2036         | -68        | .          | 9                 | 4.2             | 11                 | 7.6              | 17                | 24.6            | 17                 | 26.3             | 14                | 9.4             | 12                 | 10.6             | 12                | 7.0             | 12                 | 9.1              |
| 100         | 54447       | 1364         | -76        | .          | 8                 | 4.2             | 10                 | 10.7             | 17                | 43.9            | 15                 | 20.2             | 9                 | 6.3             | 8                  | 5.2              | 11                | 5.3             | 9                  | 3.4              |
| 70          | 61259       | 755          | -71        | .          | 6                 | 3.5             | 10                 | 12.7             | 18                | 59.6            | 13                 | 14.3             | 7                 | 2.6             | 7                  | 2.1              | 10                | 2.4             | 8                  | 2.1              |
| 50          | 67855       | 348          | -64        | .          | 11                | 2.1             | 13                 | 10.2             | 22                | 70.7            | 12                 | 10.1             | 7                 | 2.4             | 9                  | 1.4              | 12                | 0.9             | 8                  | 1.6              |
| 30          | 78373       | 129          | -55        | .          | 11                | 1.4             | 16                 | 8.1              | 27                | 74.0            | 15                 | 9.3              | 7                 | 2.6             | 6                  | 1.3              | 10                | 0.6             | 11                 | 2.2              |
| 20          | 87070       | 189          | -50        | .          | 5                 | 1.2             | 11                 | 3.1              | 15                | 23.0            | 9                  | 6.8              | 5                 | 2.2             | 6                  | 3.6              | 7                 | 6.7             | 5                  | 2.5              |
| 10          | 102092      | 207          | -41        | .          | 10                | 2.5             | 23                 | 6.4              | 29                | 46.1            | 18                 | 13.8             | 10                | 4.5             | 12                 | 7.4              | 15                | 13.5            | 10                 | 5.1              |

OCT Latitude=12.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 5                 | 4.5             | 11                 | 34.5             | 11                | 41.9            | 9                  | 15.1             | 6                 | 2.2             | 4                  | 0.3              | 0                 | 0.0             | 6                  | 1.2              |
| 1000        | 304         | -60          | 29         | 23         | 5                 | 2.4             | 13                 | 17.4             | 13                | 47.3            | 10                 | 27.6             | 7                 | 4.0             | 8                  | 0.4              | 0                 | 0.0             | 7                  | 0.4              |
| 850         | 4960        | 180          | 20         | 11         | 3                 | 0.4             | 11                 | 6.2              | 14                | 77.4            | 9                  | 12.9             | 6                 | 2.4             | 2                  | 0.1              | 4                 | 0.1             | 0                  | 0.0              |
| 700         | 10361       | 479          | 10         | -4         | 12                | 5.3             | 15                 | 49.5             | 15                | 40.8            | 7                  | 1.9              | 5                 | 0.1             | 5                  | 0.3              | 6                 | 0.6             | 5                  | 1.1              |
| 500         | 19278       | 989          | -5         | -23        | 9                 | 4.9             | 12                 | 20.2             | 16                | 59.1            | 11                 | 9.9              | 6                 | 2.2             | 2                  | 0.4              | 4                 | 0.9             | 5                  | 1.3              |
| 400         | 24909       | 1335         | -16        | -33        | 9                 | 3.5             | 12                 | 13.8             | 16                | 53.4            | 13                 | 15.8             | 9                 | 4.7             | 6                  | 1.9              | 9                 | 2.6             | 7                  | 3.5              |
| 300         | 31812       | 1747         | -32        | -46        | 10                | 5.7             | 12                 | 12.5             | 17                | 38.2            | 13                 | 17.1             | 11                | 7.3             | 9                  | 5.2              | 10                | 7.1             | 12                 | 6.2              |
| 250         | 35948       | 1949         | -42        | .          | 10                | 6.3             | 14                 | 12.4             | 18                | 29.4            | 16                 | 17.6             | 12                | 9.4             | 11                 | 9.1              | 12                | 9.1             | 14                 | 6.0              |
| 200         | 40793       | 2131         | -54        | .          | 12                | 3.9             | 13                 | 7.5              | 20                | 24.0            | 17                 | 22.7             | 13                | 11.9            | 14                 | 11.9             | 12                | 11.1            | 16                 | 6.5              |
| 150         | 46681       | 2034         | -68        | .          | 10                | 3.7             | 12                 | 6.8              | 20                | 27.6            | 17                 | 24.5             | 14                | 9.1             | 12                 | 11.7             | 11                | 9.6             | 14                 | 6.2              |
| 100         | 54443       | 1360         | -76        | .          | 8                 | 4.2             | 12                 | 11.2             | 18                | 46.4            | 15                 | 20.9             | 9                 | 4.5             | 10                 | 3.4              | 10                | 4.7             | 9                  | 3.9              |
| 70          | 61255       | 751          | -71        | .          | 6                 | 3.1             | 13                 | 10.6             | 19                | 60.1            | 13                 | 17.4             | 8                 | 2.2             | 8                  | 2.1              | 9                 | 1.9             | 7                  | 2.1              |
| 50          | 67847       | 340          | -64        | .          | 10                | 1.6             | 16                 | 10.1             | 23                | 68.9            | 13                 | 10.6             | 9                 | 3.4             | 9                  | 2.4              | 9                 | 0.9             | 6                  | 1.7              |
| 30          | 78358       | 114          | -55        | .          | 8                 | 1.9             | 17                 | 6.6              | 28                | 70.5            | 15                 | 11.9             | 9                 | 3.1             | 8                  | 2.1              | 6                 | 1.3             | 13                 | 1.6              |
| 20          | 87051       | 170          | -50        | .          | 4                 | 1.4             | 11                 | 2.6              | 15                | 21.8            | 10                 | 8.5              | 5                 | 3.1             | 7                  | 3.8              | 7                 | 5.5             | 5                  | 2.5              |
| 10          | 102086      | 201          | -41        | .          | 9                 | 2.9             | 21                 | 5.4              | 29                | 43.8            | 20                 | 17.0             | 10                | 6.4             | 14                 | 7.7              | 14                | 11.2            | 11                 | 5.1              |

OCT Latitude=12.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 25         | 5                 | 2.9             | 10                 | 36.1             | 10                | 48.7            | 6                  | 5.4              | 5                 | 3.2             | 3                  | 1.2              | 3                 | 0.3             | 3                  | 1.2              |
| 1000        | 295         | -69          | 28         | 23         | 6                 | 1.6             | 13                 | 27.1             | 12                | 51.7            | 7                  | 12.5             | 5                 | 3.2             | 6                  | 1.9              | 2                 | 0.9             | 4                  | 0.3              |
| 850         | 4965        | 185          | 20         | 9          | 7                 | 2.2             | 11                 | 30.7             | 13                | 57.1            | 8                  | 6.3              | 6                 | 1.9             | 5                  | 0.8              | 1                 | 0.1             | 4                  | 0.4              |
| 700         | 10355       | 473          | 10         | -7         | 11                | 10.1            | 14                 | 54.9             | 14                | 28.5            | 9                  | 2.4              | 5                 | 0.1             | 3                  | 0.3              | 7                 | 0.3             | 7                  | 2.9              |
| 500         | 19271       | 982          | -5         | -24        | 10                | 5.5             | 15                 | 23.8             | 17                | 58.9            | 12                 | 7.3              | 6                 | 0.9             | 3                  | 0.6              | 6                 | 0.6             | 8                  | 1.3              |
| 400         | 24907       | 1333         | -16        | -33        | 10                | 4.9             | 14                 | 17.4             | 17                | 51.7            | 14                 | 13.3             | 8                 | 3.9             | 5                  | 1.7              | 9                 | 3.2             | 9                  | 3.1              |
| 300         | 31817       | 1752         | -32        | -48        | 10                | 6.0             | 13                 | 16.3             | 17                | 39.2            | 13                 | 15.5             | 10                | 5.8             | 9                  | 4.7              | 10                | 5.8             | 13                 | 6.2              |
| 250         | 35950       | 1951         | -42        | .          | 9                 | 8.0             | 14                 | 13.2             | 19                | 28.7            | 15                 | 18.1             | 12                | 8.4             | 12                 | 9.3              | 13                | 7.3             | 16                 | 6.3              |
| 200         | 40796       | 2134         | -54        | .          | 10                | 3.7             | 15                 | 6.2              | 21                | 25.3            | 18                 | 20.9             | 13                | 12.2            | 14                 | 12.7             | 13                | 9.9             | 14                 | 8.6              |
| 150         | 46683       | 2036         | -68        | .          | 12                | 3.5             | 12                 | 7.0              | 21                | 28.1            | 19                 | 22.7             | 13                | 9.9             | 12                 | 12.0             | 11                | 9.3             | 13                 | 6.6              |
| 100         | 54443       | 1360         | -76        | .          | 9                 | 2.9             | 12                 | 12.7             | 19                | 48.2            | 16                 | 18.7             | 9                 | 4.7             | 9                  | 3.7              | 8                 | 3.4             | 8                  | 4.7              |
| 70          | 61256       | 752          | -71        | .          | 8                 | 1.9             | 15                 | 9.1              | 20                | 64.0            | 13                 | 15.5             | 9                 | 4.2             | 8                  | 1.9              | 8                 | 1.6             | 9                  | 1.4              |
| 50          | 67849       | 342          | -64        | .          | 10                | 1.6             | 16                 | 8.6              | 24                | 69.1            | 14                 | 11.9             | 10                | 4.2             | 13                 | 1.7              | 8                 | 1.3             | 8                  | 1.3              |
| 30          | 78360       | 116          | -55        | .          | 7                 | 2.9             | 18                 | 7.0              | 29                | 68.7            | 16                 | 10.4             | 10                | 5.0             | 10                 | 2.4              | 5                 | 1.1             | 10                 | 1.9              |
| 20          | 87053       | 172          | -50        | .          | 4                 | 1.4             | 9                  | 4.5              | 14                | 21.5            | 9                  | 8.5              | 5                 | 3.1             | 7                  | 3.6              | 6                 | 4.7             | 6                  | 1.8              |
| 10          | 102086      | 201          | -41        | .          | 8                 | 2.9             | 18                 | 9.0              | 29                | 43.2            | 19                 | 17.0             | 11                | 6.4             | 13                 | 7.4              | 13                | 9.6             | 13                 | 3.8              |

OCT Latitude=12.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 24         | 3                 | 2.9             | 8                  | 18.0             | 8                 | 44.8            | 8                  | 21.9             | 7                 | 5.8             | 3                  | 1.9              | 4                 | 1.6             | 3                  | 1.6              |
| 1000        | 305         | -59          | 27         | 22         | 4                 | 2.7             | 9                  | 16.9             | 10                | 47.2            | 9                  | 23.3             | 8                 | 5.5             | 7                  | 1.4              | 4                 | 1.4             | 4                  | 0.8              |
| 850         | 4966        | 186          | 19         | 9          | 6                 | 4.7             | 10                 | 29.5             | 11                | 40.3            | 10                 | 15.6             | 5                 | 2.7             | 4                  | 1.6              | 3                 | 1.6             | 5                  | 2.7              |
| 700         | 10344       | 462          | 10         | -7         | 10                | 10.7            | 14                 | 47.7             | 14                | 32.8            | 8                  | 3.1              | 7                 | 0.4             | 4                  | 0.1              | 6                 | 0.6             | 8                  | 3.9              |
| 500         | 19265       | 976          | -5         | -23        | 9                 | 6.3             | 15                 | 27.9             | 16                | 55.0            | 11                 | 5.5              | 5                 | 0.4             | 5                  | 1.1              | 6                 | 1.1             | 10                 | 1.4              |
| 400         | 24905       | 1331         | -16        | -33        | 8                 | 4.4             | 14                 | 18.6             | 18                | 54.9            | 13                 | 9.8              | 8                 | 2.4             | 8                  | 2.7              | 9                 | 2.7             | 12                 | 3.5              |
| 300         | 31817       | 1752         | -32        | -47        | 10                | 4.5             | 14                 | 16.6             | 18                | 40.3            | 13                 | 16.5             | 9                 | 4.9             | 11                 | 5.5              | 11                | 5.2             | 12                 | 6.0              |
| 250         | 35953       | 1954         | -42        | .          | 11                | 6.2             | 14                 | 12.2             | 19                | 31.2            | 16                 | 17.3             | 11                | 8.9             | 12                 | 9.1              | 13                | 8.0             | 14                 | 6.5              |
| 200         | 40802       | 2140         | -54        | .          | 11                | 4.2             | 15                 | 6.8              | 22                | 28.2            | 18                 | 19.6             | 13                | 11.4            | 14                 | 13.7             | 13                | 8.9             | 14                 | 6.2              |
| 150         | 46691       | 2044         | -68        | .          | 12                | 3.5             | 14                 | 5.0              | 23                | 30.2            | 18                 | 23.2             | 13                | 11.1            | 13                 | 11.9             | 12                | 8.4             | 12                 | 6.2              |
| 100         | 54447       | 1364         | -76        | .          | 7                 | 3.4             | 13                 | 8.9              | 19                | 51.6            | 17                 | 18.4             | 10                | 5.7             | 9                  | 5.0              | 8                 | 3.5             | 9                  | 2.9              |
| 70          | 61261       | 757          | -71        | .          | 9                 | 1.9             | 15                 | 7.3              | 21                | 68.7            | 14                 | 12.7             | 9                 | 5.0             | 8                  | 1.7              | 10                | 0.8             | 8                  | 1.4              |
| 50          | 67857       | 350          | -64        | .          | 7                 | 1.4             | 16                 | 8.9              | 24                | 69.2            | 15                 | 12.2             | 12                | 3.7             | 10                 | 1.6              | 13                | 0.6             | 8                  | 1.7              |
| 30          | 78370       | 126          | -55        | .          | 9                 | 3.1             | 18                 | 8.1              | 29                | 68.6            | 17                 | 8.4              | 10                | 4.4             | 10                 | 3.1              | 8                 | 2.1             | 6                  | 1.6              |
| 20          | 87063       | 182          | -50        | .          | 5                 | 1.7             | 11                 | 6.2              | 13                | 20.9            | 10                 | 8.0              | 5                 | 2.8             | 6                  | 4.7              | 8                 | 2.6             | 6                  | 2.0              |
| 10          | 102097      | 212          | -41        | .          | 11                | 3.5             | 22                 | 12.5             | 26                | 41.9            | 20                 | 16.1             | 10                | 5.8             | 12                 | 9.6              | 16                | 5.4             | 12                 | 4.1              |

OCT Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 4                 | 2.2             | 7                  | 14.5             | 6                 | 22.5            | 7                  | 17.4             | 9                 | 33.2            | 6                  | 5.8              | 4                 | 1.6             | 4                  | 0.9              |
| 1000        | 323         | -41          | 26         | 23         | 6                 | 2.1             | 8                  | 17.8             | 7                 | 22.5            | 7                  | 20.9             | 10                | 28.4            | 8                  | 5.3              | 5                 | 1.1             | 4                  | 0.9              |
| 850         | 4966        | 186          | 18         | 9          | 9                 | 3.5             | 11                 | 23.3             | 11                | 35.9            | 9                  | 13.2             | 7                 | 8.8             | 6                  | 6.2              | 5                 | 5.3             | 5                  | 2.9              |
| 700         | 10334       | 452          | 9          | -6         | 10                | 8.3             | 13                 | 43.9             | 13                | 31.8            | 8                  | 5.5              | 6                 | 1.6             | 4                  | 1.3              | 5                 | 1.7             | 8                  | 4.5              |
| 500         | 19262       | 973          | -4         | -22        | 7                 | 5.3             | 15                 | 31.5             | 16                | 50.1            | 9                  | 6.2              | 5                 | 1.1             | 5                  | 0.8              | 7                 | 1.7             | 8                  | 2.4              |
| 400         | 24903       | 1329         | -16        | -32        | 7                 | 3.5             | 15                 | 19.6             | 18                | 56.3            | 12                 | 7.5              | 7                 | 2.7             | 8                  | 2.7              | 9                 | 3.5             | 10                 | 3.4              |
| 300         | 31813       | 1748         | -32        | -47        | 10                | 5.0             | 15                 | 15.6             | 18                | 42.6            | 14                 | 16.9             | 9                 | 3.2             | 11                 | 6.8              | 12                | 5.8             | 10                 | 2.9              |
| 250         | 35951       | 1952         | -41        | .          | 11                | 5.0             | 14                 | 11.2             | 20                | 33.8            | 15                 | 20.4             | 12                | 7.6             | 13                 | 10.4             | 14                | 6.2             | 12                 | 4.9              |
| 200         | 40803       | 2141         | -54        | .          | 9                 | 4.2             | 13                 | 7.1              | 23                | 30.8            | 17                 | 20.5             | 14                | 11.9            | 14                 | 13.8             | 17                | 7.0             | 13                 | 3.9              |
| 150         | 46691       | 2044         | -68        | .          | 12                | 3.2             | 11                 | 5.0              | 24                | 34.3            | 18                 | 23.0             | 14                | 9.4             | 13                 | 13.2             | 12                | 7.1             | 11                 | 4.2              |
| 100         | 54442       | 1359         | -76        | .          | 7                 | 1.4             | 12                 | 7.8              | 21                | 51.4            | 18                 | 19.4             | 11                | 8.6             | 9                  | 4.5              | 8                 | 4.2             | 7                  | 2.1              |
| 70          | 61258       | 754          | -71        | .          | 6                 | 1.1             | 15                 | 7.3              | 22                | 70.7            | 15                 | 10.7             | 8                 | 4.0             | 9                  | 1.7              | 8                 | 1.3             | 8                  | 0.9              |
| 50          | 67859       | 352          | -64        | .          | 7                 | 1.6             | 17                 | 10.1             | 25                | 69.6            | 15                 | 10.7             | 10                | 2.4             | 9                  | 3.1              | 11                | 1.3             | 7                  | 0.9              |
| 30          | 78371       | 127          | -55        | .          | 6                 | 3.2             | 18                 | 10.7             | 30                | 68.4            | 17                 | 6.8              | 8                 | 3.4             | 11                 | 2.9              | 7                 | 2.2             | 7                  | 1.9              |
| 20          | 87064       | 183          | -50        | .          | 6                 | 3.0             | 10                 | 6.8              | 13                | 20.5            | 10                 | 6.5              | 5                 | 4.3             | 6                  | 3.0              | 7                 | 3.1             | 6                  | 2.0              |
| 10          | 102087      | 202          | -41        | .          | 11                | 6.1             | 20                 | 13.8             | 27                | 41.2            | 19                 | 13.2             | 11                | 8.7             | 12                 | 6.1              | 15                | 6.4             | 11                 | 4.1              |

NOV Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 22         | 13         | 4                 | 6.3             | 4                  | 9.9              | 4                 | 15.3            | 4                  | 26.9             | 4                 | 22.6            | 3                  | 7.3              | 3                 | 2.3             | 2                  | 2.3              |
| 1000        | 371         | 7            | 28         | 20         | 7                 | 3.6             | 6                  | 9.4              | 7                 | 20.6            | 7                  | 34.6             | 6                 | 18.9            | 5                  | 6.4              | 4                 | 1.9             | 3                  | 2.4              |
| 850         | 4955        | 175          | 20         | 13         | 6                 | 2.6             | 7                  | 10.1             | 8                 | 27.3            | 8                  | 33.3             | 6                 | 17.8            | 6                  | 4.8              | 3                 | 1.3             | 3                  | 0.8              |
| 700         | 10341       | 459          | 8          | 2          | 9                 | 10.1            | 10                 | 37.5             | 11                | 41.4            | 7                  | 7.4              | 4                 | 0.6             | 3                  | 0.1              | 4                 | 0.3             | 4                  | 1.4              |
| 500         | 19244       | 955          | -6         | -19        | 7                 | 3.4             | 12                 | 22.4             | 15                | 54.4            | 10                 | 11.6             | 7                 | 2.3             | 7                  | 1.4              | 6                 | 1.9             | 4                  | 1.8              |
| 400         | 24877       | 1303         | -16        | -31        | 11                | 5.3             | 12                 | 19.9             | 16                | 43.4            | 11                 | 14.4             | 8                 | 5.1             | 9                  | 3.9              | 7                 | 4.3             | 8                  | 2.6              |
| 300         | 31762       | 1697         | -32        | -46        | 13                | 10.1            | 15                 | 18.6             | 17                | 24.6            | 12                 | 12.5             | 9                 | 5.4             | 11                 | 8.4              | 14                | 10.9            | 16                 | 8.4              |
| 250         | 35910       | 1911         | -42        | .          | 15                | 10.3            | 17                 | 15.9             | 14                | 16.6            | 13                 | 11.9             | 10                | 6.6             | 13                 | 10.4             | 17                | 16.3            | 17                 | 11.3             |
| 200         | 40756       | 2094         | -54        | .          | 17                | 11.9            | 17                 | 12.9             | 15                | 13.3            | 13                 | 10.8             | 11                | 7.9             | 15                 | 8.9              | 20                | 17.6            | 19                 | 15.9             |
| 150         | 46639       | 1992         | -68        | .          | 16                | 11.9            | 14                 | 8.9              | 14                | 15.6            | 13                 | 9.9              | 10                | 5.3             | 12                 | 9.1              | 18                | 17.1            | 20                 | 21.4             |
| 100         | 54375       | 1292         | -77        | .          | 12                | 9.8             | 12                 | 10.8             | 16                | 22.6            | 11                 | 8.1              | 8                 | 5.8             | 11                 | 9.4              | 14                | 16.1            | 14                 | 15.8             |
| 70          | 61116       | 612          | -73        | .          | 9                 | 5.4             | 11                 | 11.6             | 15                | 29.8            | 10                 | 11.8             | 8                 | 6.8             | 12                 | 11.4             | 13                | 9.9             | 11                 | 10.1             |
| 50          | 67661       | 154          | -65        | .          | 10                | 4.6             | 13                 | 9.8              | 20                | 32.8            | 11                 | 9.8              | 8                 | 6.9             | 15                 | 11.8             | 17                | 13.6            | 13                 | 9.4              |
| 30          | 78118       | -126         | -56        | .          | 14                | 4.3             | 21                 | 13.6             | 30                | 39.4            | 16                 | 11.3             | 12                | 3.9             | 20                 | 7.3              | 25                | 14.3            | 22                 | 5.3              |
| 20          | 86816       | -65          | -50        | .          | 8                 | 1.7             | 11                 | 4.9              | 15                | 10.2            | 8                  | 3.2              | 7                 | 1.4             | 9                  | 6.4              | 17                | 16.2            | 9                  | 5.1              |
| 10          | 101789      | -96          | -40        | .          | 16                | 3.6             | 22                 | 9.9              | 30                | 20.6            | 16                 | 6.6              | 15                | 2.9             | 18                 | 12.9             | 35                | 32.6            | 19                 | 10.3             |

NOV Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 14         | 3                 | 0.9             | 6                  | 13.9             | 7                 | 46.6            | 6                  | 26.3             | 5                 | 9.3             | 4                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 352         | -12          | 29         | 19         | 4                 | 2.6             | 7                  | 11.9             | 9                 | 42.9            | 7                  | 26.3             | 6                 | 11.3            | 5                  | 2.8              | 6                 | 0.8             | 5                  | 0.4              |
| 850         | 4961        | 181          | 19         | 13         | 5                 | 1.6             | 10                 | 17.9             | 12                | 48.9            | 8                  | 20.4             | 6                 | 7.6             | 7                  | 1.8              | 5                 | 0.6             | 4                  | 0.6              |
| 700         | 10334       | 452          | 8          | 2          | 10                | 13.1            | 11                 | 46.8             | 11                | 30.8            | 7                  | 3.1              | 6                 | 1.1             | 4                  | 0.8              | 2                 | 0.4             | 6                  | 2.9              |
| 500         | 19245       | 956          | -6         | -20        | 6                 | 3.4             | 12                 | 22.6             | 15                | 54.9            | 12                 | 9.8              | 8                 | 2.3             | 7                  | 2.1              | 7                 | 2.3             | 4                  | 1.4              |
| 400         | 24870       | 1296         | -16        | -31        | 9                 | 4.8             | 14                 | 19.9             | 17                | 42.9            | 11                 | 14.3             | 10                | 5.6             | 9                  | 5.1              | 9                 | 3.9             | 8                  | 2.6              |
| 300         | 31764       | 1699         | -32        | -46        | 12                | 5.8             | 14                 | 20.4             | 16                | 24.8            | 12                 | 11.9             | 10                | 7.8             | 13                 | 8.9              | 13                | 10.9            | 13                 | 8.8              |
| 250         | 35908       | 1909         | -42        | .          | 16                | 6.4             | 16                 | 17.8             | 15                | 15.3            | 13                 | 11.1             | 11                | 11.1            | 14                 | 11.3             | 18                | 15.1            | 16                 | 11.1             |
| 200         | 40754       | 2092         | -54        | .          | 17                | 9.6             | 19                 | 9.9              | 16                | 16.6            | 12                 | 11.1             | 14                | 9.4             | 15                 | 13.3             | 19                | 18.3            | 21                 | 11.1             |
| 150         | 46637       | 1990         | -68        | .          | 19                | 9.6             | 16                 | 9.3              | 16                | 14.4            | 14                 | 13.3             | 11                | 6.4             | 13                 | 11.1             | 18                | 17.8            | 20                 | 17.3             |
| 100         | 54374       | 1291         | -77        | .          | 13                | 10.8            | 12                 | 10.8             | 17                | 20.8            | 11                 | 9.1              | 10                | 7.1             | 10                 | 10.1             | 15                | 16.6            | 13                 | 13.6             |
| 70          | 61118       | 614          | -73        | .          | 9                 | 6.1             | 12                 | 10.8             | 15                | 30.8            | 10                 | 11.6             | 10                | 9.3             | 12                 | 11.8             | 13                | 11.1            | 11                 | 7.8              |
| 50          | 67663       | 156          | -65        | .          | 10                | 5.9             | 15                 | 10.1             | 19                | 32.3            | 10                 | 10.9             | 11                | 7.1             | 16                 | 11.8             | 17                | 16.1            | 13                 | 5.1              |
| 30          | 78122       | -122         | -56        | .          | 12                | 2.8             | 24                 | 13.9             | 30                | 39.1            | 14                 | 10.6             | 14                | 5.1             | 24                 | 7.8              | 26                | 15.4            | 20                 | 4.6              |
| 20          | 86811       | -70          | -50        | .          | 6                 | 1.1             | 11                 | 3.9              | 15                | 11.4            | 10                 | 3.7              | 6                 | 2.6             | 11                 | 6.9              | 18                | 16.6            | 13                 | 3.1              |
| 10          | 101788      | -97          | -40        | .          | 12                | 2.3             | 22                 | 7.9              | 30                | 22.9            | 20                 | 7.6              | 12                | 5.3             | 21                 | 13.9             | 36                | 33.3            | 26                 | 6.3              |

NOV Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 15         | 0                 | 0.0             | 8                  | 16.3             | 8                 | 62.6            | 7                  | 17.6             | 6                 | 2.9             | 0                  | 0.0              | 2                 | 0.3             | 0                  | 0.0              |
| 1000        | 346         | -18          | 28         | 19         | 5                 | 0.6             | 10                 | 16.8             | 10                | 59.1            | 9                  | 19.8             | 8                 | 2.9             | 1                  | 0.1              | 4                 | 0.3             | 0                  | 0.0              |
| 850         | 4964        | 184          | 18         | 12         | 8                 | 2.3             | 14                 | 35.1             | 13                | 52.6            | 7                  | 5.3              | 4                 | 1.8             | 6                  | 1.4              | 2                 | 0.3             | 7                  | 0.3              |
| 700         | 10332       | 450          | 9          | -1         | 12                | 14.4            | 12                 | 47.6             | 12                | 27.4            | 6                  | 4.4              | 8                 | 1.6             | 2                  | 0.1              | 4                 | 0.3             | 8                  | 3.3              |
| 500         | 19239       | 950          | -5         | -19        | 6                 | 3.1             | 13                 | 26.4             | 15                | 52.8            | 11                 | 7.4              | 9                 | 2.9             | 8                  | 2.1              | 6                 | 2.9             | 5                  | 1.3              |
| 400         | 24869       | 1295         | -16        | -32        | 7                 | 4.8             | 14                 | 23.1             | 17                | 40.6            | 11                 | 12.6             | 11                | 6.8             | 11                 | 4.9              | 10                | 2.4             | 8                  | 3.8              |
| 300         | 31769       | 1704         | -32        | -46        | 10                | 5.1             | 14                 | 20.1             | 15                | 23.6            | 11                 | 12.3             | 12                | 10.9            | 13                 | 10.8             | 14                | 9.9             | 12                 | 6.8              |
| 250         | 35910       | 1911         | -42        | .          | 12                | 6.3             | 15                 | 14.8             | 15                | 15.9            | 12                 | 12.5             | 14                | 12.1            | 15                 | 14.4             | 19                | 13.3            | 15                 | 10.3             |
| 200         | 40755       | 2093         | -54        | .          | 15                | 6.6             | 17                 | 10.9             | 17                | 15.1            | 13                 | 13.4             | 17                | 12.6            | 17                 | 16.9             | 19                | 13.4            | 20                 | 10.1             |
| 150         | 46636       | 1989         | -68        | .          | 15                | 9.9             | 17                 | 8.6              | 17                | 15.6            | 14                 | 14.3             | 14                | 8.8             | 17                 | 13.8             | 17                | 17.9            | 19                 | 10.6             |
| 100         | 54375       | 1292         | -77        | .          | 11                | 10.6            | 13                 | 8.4              | 18                | 20.4            | 12                 | 11.6             | 10                | 10.8            | 12                 | 9.8              | 14                | 16.1            | 12                 | 11.8             |
| 70          | 61123       | 619          | -73        | .          | 9                 | 6.1             | 12                 | 10.9             | 16                | 27.8            | 11                 | 14.6             | 9                 | 9.3             | 11                 | 12.5             | 12                | 10.3            | 12                 | 7.8              |
| 50          | 67668       | 161          | -65        | .          | 9                 | 3.8             | 15                 | 12.1             | 19                | 31.4            | 11                 | 11.3             | 10                | 6.8             | 15                 | 16.8             | 17                | 12.3            | 14                 | 4.6              |
| 30          | 78128       | -116         | -56        | .          | 13                | 1.9             | 22                 | 14.8             | 30                | 41.1            | 13                 | 7.3              | 14                | 4.4             | 25                 | 9.4              | 27                | 15.9            | 19                 | 4.3              |
| 20          | 86817       | -64          | -50        | .          | 6                 | 0.4             | 11                 | 3.6              | 15                | 11.9            | 9                  | 5.4              | 6                 | 1.1             | 11                 | 8.9              | 18                | 15.9            | 14                 | 2.1              |
| 10          | 101788      | -97          | -40        | .          | 13                | 0.9             | 21                 | 7.3              | 31                | 23.9            | 18                 | 10.9             | 12                | 2.3             | 22                 | 17.9             | 37                | 31.9            | 28                 | 4.3              |

NOV Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 11                | 8.6             | 12                 | 60.9             | 11                | 26.9            | 8                  | 2.6              | 6                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 343         | -21          | 26         | 21         | 11                | 3.9             | 13                 | 47.6             | 12                | 39.3            | 8                  | 6.3              | 6                 | 1.6             | 4                  | 0.3              | 2                 | 0.1             | 5                  | 0.1              |
| 850         | 4963        | 183          | 17         | 10         | 10                | 6.8             | 16                 | 63.9             | 14                | 25.4            | 7                  | 1.4              | 5                 | 0.4             | 0                  | 0.0              | 5                 | 0.3             | 6                  | 1.3              |
| 700         | 10322       | 440          | 9          | -3         | 11                | 13.6            | 11                 | 38.3             | 12                | 36.6            | 7                  | 6.3              | 7                 | 1.9             | 1                  | 0.3              | 3                 | 0.3             | 8                  | 1.6              |
| 500         | 19236       | 947          | -5         | -19        | 7                 | 3.8             | 13                 | 28.1             | 15                | 49.1            | 9                  | 9.1              | 8                 | 3.4             | 9                  | 2.3              | 10                | 1.6             | 10                 | 1.6              |
| 400         | 24870       | 1296         | -16        | -31        | 8                 | 3.8             | 14                 | 19.8             | 17                | 45.8            | 11                 | 11.9             | 13                | 5.9             | 11                 | 5.9              | 8                 | 2.1             | 7                  | 3.8              |
| 300         | 31779       | 1714         | -32        | -45        | 11                | 6.3             | 13                 | 18.1             | 14                | 24.4            | 11                 | 14.4             | 14                | 9.6             | 13                 | 12.3             | 12                | 10.3            | 9                  | 3.8              |
| 250         | 35916       | 1917         | -42        | .          | 11                | 6.3             | 15                 | 14.6             | 14                | 16.3            | 14                 | 11.8             | 16                | 13.3            | 18                 | 14.6             | 16                | 13.9            | 12                 | 8.3              |
| 200         | 40761       | 2099         | -54        | .          | 13                | 4.1             | 17                 | 10.3             | 16                | 18.4            | 14                 | 12.5             | 18                | 15.1            | 20                 | 17.4             | 17                | 14.3            | 18                 | 7.4              |
| 150         | 46639       | 1992         | -68        | .          | 13                | 5.1             | 17                 | 8.6              | 18                | 16.9            | 14                 | 15.8             | 15                | 12.1            | 18                 | 18.1             | 17                | 15.9            | 18                 | 6.8              |
| 100         | 54379       | 1296         | -77        | .          | 8                 | 4.9             | 12                 | 10.3             | 18                | 21.6            | 15                 | 12.1             | 10                | 12.3            | 12                 | 13.6             | 13                | 15.8            | 11                 | 8.3              |
| 70          | 61131       | 627          | -73        | .          | 10                | 3.3             | 12                 | 10.8             | 16                | 30.4            | 12                 | 14.9             | 8                 | 7.4             | 11                 | 14.9             | 13                | 8.9             | 10                 | 8.1              |
| 50          | 67672       | 165          | -65        | .          | 9                 | 3.1             | 16                 | 10.8             | 19                | 33.6            | 11                 | 10.9             | 10                | 6.1             | 15                 | 16.8             | 17                | 12.6            | 11                 | 4.8              |
| 30          | 78126       | -118         | -56        | .          | 8                 | 1.9             | 21                 | 12.1             | 31                | 44.8            | 11                 | 5.3              | 12                | 3.9             | 24                 | 12.1             | 27                | 16.3            | 20                 | 3.1              |
| 20          | 86811       | -70          | -50        | .          | 5                 | 0.4             | 8                  | 2.7              | 15                | 14.1            | 8                  | 3.1              | 9                 | 2.1             | 11                 | 9.6              | 19                | 15.9            | 13                 | 1.4              |
| 10          | 101784      | -101         | -40        | .          | 10                | 0.9             | 16                 | 5.6              | 31                | 28.3            | 17                 | 6.3              | 17                | 4.3             | 22                 | 19.3             | 37                | 31.9            | 27                 | 2.9              |

NOV Latitude= 7.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 8                 | 17.3            | 11                 | 68.6             | 7                 | 7.3             | 3                  | 1.3              | 3                 | 1.3             | 5                  | 0.3              | 3                 | 0.9             | 3                  | 1.9              |
| 1000        | 336         | -28          | 25         | 22         | 10                | 15.4            | 13                 | 64.6             | 9                 | 11.6            | 5                  | 2.3              | 4                 | 1.4             | 5                  | 1.4              | 4                 | 0.9             | 5                  | 1.4              |
| 850         | 4960        | 180          | 17         | 10         | 8                 | 5.3             | 14                 | 50.8             | 14                | 38.3            | 10                 | 1.4              | 6                 | 1.1             | 4                  | 0.3              | 5                 | 0.3             | 8                  | 2.1              |
| 700         | 10317       | 435          | 10         | -4         | 8                 | 9.4             | 10                 | 33.6             | 11                | 37.5            | 8                  | 9.6              | 5                 | 2.1             | 4                  | 1.6              | 4                 | 1.3             | 7                  | 3.6              |
| 500         | 19234       | 945          | -5         | -18        | 7                 | 3.9             | 13                 | 29.1             | 15                | 45.6            | 9                  | 9.1              | 6                 | 3.6             | 9                  | 2.3              | 8                 | 2.3             | 8                  | 2.4              |
| 400         | 24871       | 1297         | -16        | -30        | 8                 | 5.4             | 13                 | 22.8             | 16                | 44.3            | 10                 | 8.9              | 11                | 6.4             | 10                 | 4.3              | 8                 | 2.9             | 8                  | 3.9              |
| 300         | 31784       | 1719         | -32        | -44        | 11                | 7.3             | 12                 | 19.1             | 15                | 25.6            | 11                 | 12.3             | 13                | 9.8             | 13                 | 12.1             | 11                | 9.1             | 9                  | 3.4              |
| 250         | 35921       | 1922         | -42        | .          | 11                | 6.3             | 14                 | 14.3             | 15                | 18.3            | 14                 | 11.4             | 16                | 12.5            | 17                 | 16.6             | 14                | 11.9            | 12                 | 7.6              |
| 200         | 40766       | 2104         | -54        | .          | 11                | 4.9             | 16                 | 10.3             | 16                | 18.9            | 14                 | 11.9             | 17                | 14.4            | 21                 | 17.6             | 17                | 14.3            | 14                 | 6.6              |
| 150         | 46643       | 1996         | -68        | .          | 13                | 3.6             | 16                 | 9.1              | 17                | 18.4            | 15                 | 17.6             | 15                | 11.9            | 20                 | 19.8             | 17                | 13.9            | 14                 | 5.1              |
| 100         | 54380       | 1297         | -77        | .          | 8                 | 3.4             | 14                 | 8.6              | 19                | 23.1            | 14                 | 16.8             | 10                | 12.9            | 13                 | 15.3             | 13                | 11.9            | 10                 | 6.4              |
| 70          | 61131       | 627          | -73        | .          | 7                 | 2.9             | 12                 | 9.3              | 16                | 36.9            | 11                 | 13.6             | 9                 | 8.1             | 12                 | 11.6             | 13                | 10.1            | 9                  | 6.6              |
| 50          | 67673       | 166          | -65        | .          | 9                 | 3.8             | 15                 | 7.8              | 20                | 36.6            | 11                 | 9.9              | 8                 | 7.6             | 16                 | 13.3             | 16                | 16.3            | 13                 | 3.6              |
| 30          | 78124       | -120         | -56        | .          | 11                | 2.1             | 18                 | 8.9              | 31                | 48.4            | 10                 | 4.3              | 10                | 3.3             | 24                 | 9.1              | 26                | 21.4            | 19                 | 1.8              |
| 20          | 86809       | -72          | -50        | .          | 5                 | 0.2             | 9                  | 2.1              | 15                | 14.2            | 8                  | 2.7              | 6                 | 2.4             | 11                 | 8.6              | 18                | 17.7            | 8                  | 1.2              |
| 10          | 101776      | -109         | -40        | .          | 10                | 0.6             | 18                 | 4.3              | 31                | 28.6            | 16                 | 5.6              | 13                | 4.9             | 21                 | 17.3             | 37                | 35.6            | 16                 | 2.6              |

NOV Latitude=10.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 21         | 11         | 6                 | 3.6             | 6                  | 38.3             | 4                 | 34.9            | 4                  | 21.6             | 5                 | 0.9             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 388         | 24           | 28         | 20         | 8                 | 5.1             | 8                  | 33.1             | 8                 | 43.3            | 9                  | 17.1             | 8                 | 0.3             | 0                  | 0.0              | 2                 | 0.1             | 3                  | 0.4              |
| 850         | 4961        | 181          | 20         | 13         | 9                 | 3.3             | 8                  | 26.9             | 9                 | 49.8            | 9                  | 18.3             | 6                 | 0.4             | 0                  | 0.0              | 4                 | 0.3             | 3                  | 0.1              |
| 700         | 10352       | 470          | 9          | 0          | 4                 | 2.3             | 8                  | 15.1             | 10                | 47.6            | 9                  | 25.8             | 5                 | 4.6             | 4                  | 2.4              | 5                 | 0.6             | 3                  | 0.4              |
| 500         | 19254       | 965          | -6         | -21        | 9                 | 3.3             | 12                 | 18.8             | 15                | 52.6            | 12                 | 14.3             | 6                 | 3.1             | 5                  | 2.4              | 7                 | 3.6             | 6                  | 1.1              |
| 400         | 24889       | 1315         | -17        | -32        | 10                | 4.6             | 14                 | 16.4             | 16                | 44.8            | 12                 | 13.9             | 11                | 6.8             | 11                 | 3.9              | 11                | 5.4             | 8                  | 3.3              |
| 300         | 31765       | 1700         | -32        | -46        | 14                | 7.3             | 15                 | 19.1             | 16                | 26.3            | 11                 | 11.1             | 11                | 6.9             | 14                 | 6.9              | 16                | 10.6            | 14                 | 10.6             |
| 250         | 35912       | 1913         | -42        | .          | 16                | 11.1            | 15                 | 18.3             | 14                | 16.3            | 14                 | 10.8             | 10                | 7.4             | 17                 | 8.6              | 20                | 15.4            | 18                 | 10.3             |
| 200         | 40757       | 2095         | -54        | .          | 18                | 14.1            | 15                 | 14.6             | 13                | 12.8            | 15                 | 7.9              | 10                | 6.9             | 13                 | 9.8              | 23                | 18.6            | 22                 | 14.4             |
| 150         | 46643       | 1996         | -68        | .          | 17                | 12.6            | 12                 | 10.9             | 13                | 12.8            | 13                 | 8.6              | 11                | 6.9             | 13                 | 9.8              | 21                | 19.4            | 22                 | 18.3             |
| 100         | 54381       | 1298         | -77        | .          | 11                | 10.3            | 11                 | 10.3             | 15                | 17.4            | 11                 | 11.9             | 10                | 6.9             | 11                 | 9.4              | 16                | 15.9            | 13                 | 16.6             |
| 70          | 61125       | 621          | -73        | .          | 8                 | 6.6             | 11                 | 11.6             | 14                | 32.3            | 9                  | 15.1             | 9                 | 6.6             | 10                 | 10.4             | 15                | 8.9             | 11                 | 7.3              |
| 50          | 67674       | 167          | -65        | .          | 10                | 4.8             | 13                 | 10.3             | 17                | 42.3            | 11                 | 11.9             | 9                 | 4.1             | 13                 | 8.3              | 15                | 9.9             | 12                 | 7.8              |
| 30          | 78137       | -107         | -56        | .          | 12                | 4.6             | 20                 | 11.3             | 25                | 46.6            | 16                 | 11.4             | 11                | 3.4             | 14                 | 5.6              | 18                | 9.3             | 19                 | 7.1              |
| 20          | 86830       | -51          | -50        | .          | 7                 | 1.7             | 8                  | 3.2              | 13                | 9.4             | 9                  | 4.1              | 6                 | 2.6             | 8                  | 6.9              | 13                | 13.6            | 9                  | 7.6              |
| 10          | 101818      | -67          | -40        | .          | 15                | 3.6             | 16                 | 6.6              | 25                | 18.9            | 17                 | 8.3              | 13                | 5.3             | 17                 | 13.9             | 25                | 27.3            | 19                 | 15.3             |

NOV Latitude=10.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW  | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|-----|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  |
| SFC  | .      | .    | 23  | 15  | 8     | 44.6 | 3     | 15.9 | 2     | 0.3 | 0     | 0.0  |
| 1000 | 373    | 9    | 27  | 21  | 11    | 31.4 | 9     | 28.4 | 2     | 0.3 | 2     | 0.3  |
| 850  | 4972   | 192  | 19  | 12  | 9     | 7.9  | 10    | 46.9 | 6     | 0.1 | 8     | 0.1  |
| 700  | 10348  | 466  | 9   | -1  | 5     | 5.8  | 10    | 46.8 | 5     | 2.1 | 5     | 2.3  |
| 500  | 19254  | 965  | -5  | -21 | 8     | 3.9  | 13    | 18.3 | 6     | 1.4 | 7     | 3.6  |
| 400  | 24882  | 1308 | -17 | -32 | 9     | 3.9  | 18    | 40.3 | 10    | 5.4 | 10    | 5.9  |
| 300  | 31771  | 1706 | -32 | -46 | 11    | 7.8  | 16    | 25.4 | 10    | 8.8 | 15    | 11.8 |
| 250  | 35910  | 1911 | -42 | .   | 16    | 9.1  | 15    | 16.3 | 13    | 9.1 | 20    | 14.3 |
| 200  | 40752  | 2090 | -54 | .   | 18    | 9.8  | 13    | 14.8 | 14    | 7.8 | 22    | 18.4 |
| 150  | 46634  | 1987 | -68 | .   | 17    | 10.4 | 15    | 13.3 | 12    | 9.6 | 19    | 18.6 |
| 100  | 54377  | 1294 | -77 | .   | 12    | 12.6 | 14    | 21.4 | 10    | 7.1 | 13    | 9.4  |
| 70   | 61124  | 620  | -73 | .   | 9     | 6.8  | 14    | 31.1 | 10    | 8.6 | 15    | 10.9 |
| 50   | 67668  | 161  | -65 | .   | 10    | 3.6  | 18    | 40.6 | 10    | 6.1 | 15    | 10.9 |
| 30   | 78126  | -118 | -56 | .   | 13    | 2.1  | 26    | 46.4 | 12    | 4.9 | 19    | 10.4 |
| 20   | 86815  | -66  | -50 | .   | 5     | 1.6  | 13    | 9.2  | 7     | 2.9 | 13    | 14.2 |
| 10   | 101802 | -83  | -40 | .   | 11    | 3.3  | 26    | 18.6 | 14    | 5.9 | 26    | 28.6 |

NOV Latitude=10.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 22  | 13  | 7     | 6.6  | 7     | 39.9 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 388    | 24   | 28  | 20  | 9     | 5.8  | 9     | 39.4 | 4     | 1.1  | 1     | 0.1  |
| 850  | 4973   | 193  | 18  | 12  | 9     | 3.1  | 12    | 55.6 | 6     | 2.1  | 4     | 0.4  |
| 700  | 10343  | 461  | 9   | -1  | 7     | 9.1  | 11    | 37.5 | 7     | 1.6  | 6     | 1.4  |
| 500  | 19256  | 967  | -5  | -21 | 9     | 3.9  | 14    | 21.4 | 6     | 2.9  | 8     | 1.9  |
| 400  | 24882  | 1308 | -17 | -32 | 7     | 3.8  | 16    | 52.9 | 12    | 10.8 | 10    | 7.3  |
| 300  | 31766  | 1701 | -32 | -46 | 12    | 8.1  | 18    | 42.1 | 13    | 16.1 | 15    | 9.3  |
| 250  | 35911  | 1912 | -42 | .   | 13    | 9.3  | 15    | 17.3 | 14    | 12.5 | 14    | 13.1 |
| 200  | 40756  | 2094 | -54 | .   | 16    | 7.8  | 15    | 14.9 | 16    | 10.3 | 17    | 13.6 |
| 150  | 46634  | 1987 | -68 | .   | 17    | 8.1  | 14    | 14.1 | 13    | 12.9 | 15    | 15.4 |
| 100  | 54374  | 1291 | -77 | .   | 10    | 10.1 | 17    | 18.8 | 14    | 13.3 | 14    | 13.9 |
| 70   | 61126  | 622  | -73 | .   | 10    | 5.9  | 16    | 29.4 | 12    | 9.4  | 19    | 17.3 |
| 50   | 67673  | 166  | -65 | .   | 9     | 3.1  | 19    | 39.6 | 11    | 9.6  | 13    | 13.1 |
| 30   | 78128  | -116 | -56 | .   | 11    | 2.3  | 27    | 47.6 | 10    | 7.8  | 15    | 9.6  |
| 20   | 86814  | -67  | -50 | .   | 4     | 0.7  | 12    | 10.4 | 9     | 4.8  | 20    | 10.1 |
| 10   | 101803 | -82  | -40 | .   | 9     | 1.6  | 24    | 20.9 | 12    | 7.3  | 28    | 27.3 |

NOV Latitude=10.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 24  | 17  | 6     | 7.6  | 8     | 53.3 | 9     | 33.9 | 3     | 3.3  |
| 1000 | 372    | .    | 27  | 20  | 8     | 6.9  | 10    | 44.3 | 10    | 40.6 | 6     | 6.1  |
| 850  | 4981   | 201  | 17  | 11  | 9     | 3.4  | 14    | 54.1 | 13    | 36.6 | 7     | 2.9  |
| 700  | 10334  | 452  | 9   | -4  | 9     | 10.3 | 13    | 36.8 | 12    | 40.6 | 9     | 6.3  |
| 500  | 19250  | 961  | -5  | -21 | 10    | 3.9  | 14    | 26.1 | 16    | 51.6 | 12    | 7.4  |
| 400  | 24878  | 1304 | -16 | -33 | 9     | 3.9  | 15    | 20.4 | 18    | 42.3 | 13    | 11.6 |
| 300  | 31775  | 1710 | -32 | -46 | 12    | 8.1  | 17    | 16.8 | 16    | 22.9 | 13    | 12.1 |
| 250  | 35913  | 1914 | -42 | .   | 16    | 6.9  | 16    | 11.3 | 15    | 16.9 | 14    | 11.6 |
| 200  | 40756  | 2094 | -54 | .   | 18    | 5.6  | 15    | 8.6  | 15    | 14.6 | 14    | 11.8 |
| 150  | 46635  | 1988 | -68 | .   | 15    | 4.8  | 14    | 7.9  | 16    | 13.3 | 13    | 16.9 |
| 100  | 54376  | 1293 | -77 | .   | 9     | 5.6  | 12    | 9.6  | 17    | 20.4 | 14    | 15.4 |
| 70   | 61130  | 626  | -73 | .   | 10    | 4.3  | 12    | 7.8  | 17    | 35.4 | 13    | 16.9 |
| 50   | 67675  | 168  | -65 | .   | 9     | 2.1  | 14    | 7.8  | 21    | 42.8 | 12    | 12.1 |
| 30   | 78131  | -113 | -56 | .   | 8     | 2.4  | 20    | 8.8  | 29    | 50.6 | 12    | 6.8  |
| 20   | 86816  | -65  | -50 | .   | 4     | 0.4  | 9     | 3.4  | 12    | 11.2 | 10    | 4.1  |
| 10   | 101794 | -91  | -40 | .   | 9     | 0.9  | 18    | 6.9  | 25    | 22.6 | 21    | 8.3  |

NOV Latitude=10.00 Longitude= 52.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 23  | 9     | 9.3 | 10    | 76.6 | 6     | 8.9  | 5     | 1.6  |
| 1000 | 352    | -12  | 25  | 22  | 10    | 6.6 | 12    | 67.9 | 9     | 18.1 | 6     | 3.1  |
| 850  | 4974   | 194  | 17  | 9   | 8     | 6.1 | 15    | 49.4 | 13    | 37.9 | 9     | 2.9  |
| 700  | 10328  | 446  | 9   | -6  | 9     | 6.9 | 12    | 39.1 | 13    | 38.9 | 10    | 7.3  |
| 500  | 19246  | 957  | -5  | -21 | 10    | 3.6 | 14    | 29.4 | 16    | 49.4 | 11    | 8.1  |
| 400  | 24882  | 1308 | -16 | -32 | 9     | 6.1 | 15    | 21.8 | 17    | 42.3 | 12    | 10.4 |
| 300  | 31788  | 1723 | -32 | -46 | 12    | 8.4 | 16    | 16.1 | 16    | 23.1 | 12    | 12.1 |
| 250  | 35921  | 1922 | -42 | .   | 13    | 7.1 | 16    | 12.1 | 16    | 15.9 | 14    | 10.8 |
| 200  | 40763  | 2101 | -54 | .   | 17    | 5.4 | 14    | 8.1  | 16    | 14.4 | 13    | 12.8 |
| 150  | 46640  | 1993 | -68 | .   | 13    | 4.9 | 15    | 7.6  | 17    | 13.4 | 14    | 18.1 |
| 100  | 54383  | 1300 | -77 | .   | 9     | 3.9 | 15    | 8.1  | 18    | 20.8 | 14    | 18.8 |
| 70   | 61137  | 633  | -73 | .   | 10    | 3.1 | 11    | 7.1  | 18    | 40.3 | 12    | 17.3 |
| 50   | 67680  | 173  | -65 | .   | 9     | 2.6 | 14    | 7.6  | 21    | 43.8 | 12    | 10.9 |
| 30   | 78136  | -108 | -56 | .   | 10    | 2.4 | 19    | 6.9  | 30    | 52.9 | 12    | 4.4  |
| 20   | 86817  | -64  | -50 | .   | 3     | 0.7 | 9     | 3.1  | 12    | 11.4 | 11    | 3.4  |
| 10   | 101789 | -96  | -40 | .   | 7     | 1.6 | 17    | 6.3  | 24    | 22.9 | 22    | 6.9  |

NOV Latitude=12.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 25  | 15  | 0     | 0.0  | 8     | 14.3 | 9     | 82.9 | 0     | 0.0  |
| 1000 | 347    | -17  | 27  | 19  | 0     | 0.0  | 10    | 14.6 | 13    | 82.4 | 0     | 0.0  |
| 850  | 4976   | 196  | 19  | 9   | 0     | 0.0  | 17    | 15.8 | 18    | 83.1 | 0     | 0.0  |
| 700  | 10361  | 479  | 10  | -6  | 5     | 2.1  | 12    | 52.1 | 11    | 28.8 | 5     | 0.9  |
| 500  | 19269  | 980  | -6  | -24 | 9     | 5.6  | 14    | 40.9 | 12    | 18.3 | 8     | 4.9  |
| 400  | 24889  | 1315 | -17 | -35 | 12    | 7.3  | 13    | 29.4 | 12    | 18.4 | 14    | 8.1  |
| 300  | 31778  | 1713 | -32 | -49 | 14    | 12.5 | 12    | 20.6 | 10    | 10.9 | 17    | 9.6  |
| 250  | 35908  | 1909 | -42 | .   | 17    | 14.8 | 13    | 11.8 | 11    | 10.6 | 20    | 12.3 |
| 200  | 40744  | 2082 | -54 | .   | 18    | 11.6 | 13    | 5.6  | 12    | 6.9  | 16    | 13.3 |
| 150  | 46630  | 1983 | -68 | .   | 14    | 9.9  | 10    | 8.6  | 11    | 7.3  | 23    | 27.1 |
| 100  | 54387  | 1304 | -77 | .   | 10    | 7.6  | 12    | 14.9 | 10    | 11.9 | 13    | 12.5 |
| 70   | 61139  | 635  | -73 | .   | 8     | 5.3  | 12    | 25.4 | 10    | 17.8 | 10    | 11.8 |
| 50   | 67678  | 171  | -65 | .   | 8     | 5.8  | 15    | 37.1 | 10    | 18.1 | 13    | 8.9  |
| 30   | 78157  | -87  | -56 | .   | 10    | 6.4  | 22    | 51.8 | 8     | 2.8  | 15    | 5.3  |
| 20   | 86842  | -39  | -50 | .   | 7     | 2.9  | 11    | 7.2  | 8     | 6.1  | 10    | 11.6 |
| 10   | 101828 | -57  | -41 | .   | 14    | 5.9  | 23    | 14.6 | 17    | 12.3 | 20    | 23.3 |

NOV Latitude=12.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 21  | 4     | 1.3  | 12    | 50.0 | 10    | 12.6 | 0     | 0.0  |
| 1000 | 371    | 7    | 26  | 20  | 6     | 0.3  | 14    | 17.4 | 11    | 24.3 | 0     | 0.0  |
| 850  | 4988   | 208  | 18  | 8   | 0     | 0.0  | 16    | 89.6 | 11    | 6.9  | 0     | 0.0  |
| 700  | 10358  | 476  | 9   | -8  | 8     | 4.4  | 13    | 54.3 | 9     | 5.6  | 2     | 0.4  |
| 500  | 19270  | 981  | -5  | -25 | 8     | 4.6  | 15    | 42.4 | 12    | 17.9 | 7     | 4.3  |
| 400  | 24894  | 1320 | -17 | -35 | 11    | 4.4  | 14    | 30.3 | 12    | 19.3 | 14    | 6.3  |
| 300  | 31783  | 1718 | -32 | -48 | 12    | 10.9 | 13    | 18.8 | 10    | 13.1 | 17    | 10.6 |
| 250  | 35908  | 1909 | -43 | .   | 15    | 12.5 | 12    | 13.1 | 13    | 9.3  | 19    | 13.6 |
| 200  | 40741  | 2079 | -54 | .   | 18    | 11.1 | 12    | 9.4  | 14    | 10.3 | 19    | 14.8 |
| 150  | 46621  | 1974 | -68 | .   | 17    | 9.1  | 12    | 8.4  | 13    | 10.1 | 17    | 15.6 |
| 100  | 54383  | 1300 | -77 | .   | 12    | 7.9  | 12    | 16.1 | 12    | 13.6 | 15    | 10.9 |
| 70   | 61136  | 632  | -73 | .   | 10    | 4.8  | 14    | 23.6 | 11    | 8.4  | 14    | 11.4 |
| 50   | 67671  | 164  | -65 | .   | 8     | 4.3  | 16    | 37.8 | 13    | 17.3 | 14    | 7.4  |
| 30   | 78141  | -103 | -56 | .   | 11    | 3.3  | 22    | 49.6 | 18    | 12.8 | 13    | 6.1  |
| 20   | 86822  | -59  | -50 | .   | 5     | 2.2  | 10    | 7.7  | 9     | 5.6  | 9     | 9.2  |
| 10   | 101815 | -70  | -41 | .   | 11    | 4.6  | 19    | 15.6 | 15    | 11.3 | 18    | 18.6 |

NOV Latitude=12.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 4                 | 0.3             | 11                 | 38.9             | 11                | 56.9            | 5                  | 3.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 3                  | 0.3              |
| 1000        | 365         | 1            | 26         | 21         | 2                 | 0.4             | 13                 | 27.8             | 12                | 64.9            | 6                  | 5.3              | 4                 | 0.8             | 2                  | 0.1              | 0                 | 0.0             | 3                  | 0.1              |
| 850         | 4995        | 215          | 17         | 7          | 3                 | 0.4             | 14                 | 25.4             | 16                | 69.3            | 9                  | 3.4              | 6                 | 0.3             | 8                  | 0.3              | 0                 | 0.0             | 4                  | 0.3              |
| 700         | 10354       | 472          | 9          | -9         | 8                 | 0.1             | 12                 | 36.6             | 14                | 43.8            | 10                 | 6.3              | 6                 | 2.3             | 4                  | 0.8              | 3                 | 0.8             | 5                  | 2.3              |
| 500         | 19265       | 976          | -5         | -25        | 9                 | 4.8             | 12                 | 19.6             | 16                | 45.8            | 13                 | 13.4             | 5                 | 4.1             | 9                  | 4.8              | 9                 | 4.8             | 6                  | 1.8              |
| 400         | 24894       | 1320         | -17        | -34        | 13                | 4.8             | 14                 | 18.8             | 16                | 29.6            | 12                 | 17.3             | 10                | 7.3             | 11                 | 8.9              | 15                | 9.3             | 10                 | 3.3              |
| 300         | 31789       | 1724         | -33        | -48        | 13                | 10.9            | 14                 | 15.3             | 15                | 16.3            | 11                 | 12.6             | 12                | 8.8             | 15                 | 11.1             | 18                | 16.8            | 12                 | 6.9              |
| 250         | 35911       | 1912         | -42        | .          | 16                | 10.4            | 15                 | 9.3              | 13                | 12.9            | 12                 | 11.4             | 14                | 8.4             | 17                 | 16.3             | 22                | 18.8            | 16                 | 11.6             |
| 200         | 40742       | 2080         | -54        | .          | 19                | 7.8             | 13                 | 5.6              | 13                | 9.6             | 13                 | 11.6             | 18                | 9.9             | 20                 | 14.8             | 25                | 23.9            | 19                 | 15.6             |
| 150         | 46621       | 1974         | -68        | .          | 16                | 7.8             | 12                 | 7.4              | 12                | 8.6             | 12                 | 10.9             | 13                | 12.5            | 18                 | 16.3             | 22                | 20.4            | 19                 | 15.3             |
| 100         | 54381       | 1298         | -77        | .          | 10                | 8.3             | 11                 | 12.5             | 14                | 15.9            | 13                 | 14.9             | 11                | 9.8             | 15                 | 14.3             | 16                | 14.8            | 12                 | 8.9              |
| 70          | 61139       | 635          | -73        | .          | 10                | 4.1             | 11                 | 8.9              | 15                | 26.6            | 13                 | 25.3             | 12                | 9.8             | 15                 | 11.4             | 12                | 6.9             | 10                 | 6.1              |
| 50          | 67675       | 168          | -65        | .          | 8                 | 4.6             | 11                 | 8.1              | 18                | 41.3            | 14                 | 17.6             | 12                | 7.9             | 15                 | 8.9              | 13                | 6.9             | 11                 | 3.8              |
| 30          | 78143       | -101         | -56        | .          | 11                | 3.1             | 15                 | 10.9             | 24                | 49.3            | 18                 | 12.6             | 12                | 4.3             | 15                 | 7.9              | 17                | 7.1             | 13                 | 3.8              |
| 20          | 86825       | -56          | -50        | .          | 5                 | 2.1             | 9                  | 5.7              | 9                 | 6.1             | 9                  | 6.6              | 6                 | 3.9             | 10                 | 10.2             | 12                | 11.7            | 6                  | 2.7              |
| 10          | 101810      | -75          | -41        | .          | 10                | 4.3             | 19                 | 11.6             | 18                | 12.3            | 19                 | 13.3             | 12                | 7.9             | 20                 | 20.6             | 24                | 23.6            | 13                 | 5.6              |

NOV Latitude=12.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 5                 | 9.6             | 9                  | 40.6             | 8                 | 39.3            | 5                  | 5.6              | 3                 | 1.6             | 3                  | 0.6              | 0                 | 0.0             | 4                  | 0.9              |
| 1000        | 368         | 4            | 26         | 21         | 5                 | 4.3             | 11                 | 39.6             | 10                | 44.8            | 6                  | 8.6              | 4                 | 1.4             | 6                  | 0.1              | 0                 | 0.0             | 5                  | 0.3              |
| 850         | 4995        | 215          | 17         | 7          | 8                 | 1.3             | 14                 | 33.9             | 14                | 55.6            | 9                  | 7.1              | 5                 | 0.6             | 6                  | 0.4              | 3                 | 0.3             | 2                  | 0.1              |
| 700         | 10348       | 466          | 9          | -8         | 9                 | 7.6             | 13                 | 35.4             | 15                | 43.9            | 9                  | 6.6              | 8                 | 1.8             | 4                  | 1.1              | 4                 | 1.4             | 3                  | 1.1              |
| 500         | 19263       | 974          | -5         | -24        | 9                 | 6.9             | 14                 | 20.6             | 17                | 46.3            | 12                 | 11.6             | 9                 | 1.9             | 10                 | 5.4              | 9                 | 3.9             | 5                  | 2.1              |
| 400         | 24894       | 1320         | -17        | -34        | 13                | 7.1             | 15                 | 19.9             | 17                | 32.1            | 13                 | 13.3             | 10                | 6.3             | 13                 | 8.3              | 13                | 9.3             | 9                  | 2.8              |
| 300         | 31792       | 1727         | -32        | -48        | 15                | 8.6             | 15                 | 14.4             | 14                | 17.9            | 13                 | 9.1              | 14                | 10.3            | 14                 | 15.6             | 18                | 14.4            | 12                 | 8.4              |
| 250         | 35916       | 1917         | -42        | .          | 18                | 7.3             | 14                 | 10.8             | 14                | 11.4            | 13                 | 10.8             | 17                | 11.1            | 18                 | 19.6             | 21                | 18.6            | 15                 | 9.9              |
| 200         | 40751       | 2089         | -54        | .          | 18                | 6.4             | 12                 | 6.4              | 13                | 10.3            | 15                 | 10.1             | 18                | 13.3            | 20                 | 18.6             | 23                | 22.4            | 19                 | 11.8             |
| 150         | 46630       | 1983         | -68        | .          | 16                | 6.9             | 11                 | 5.8              | 14                | 9.8             | 13                 | 10.9             | 14                | 14.8            | 19                 | 19.6             | 20                | 21.6            | 18                 | 9.8              |
| 100         | 54386       | 1303         | -77        | .          | 10                | 7.1             | 11                 | 9.6              | 14                | 18.6            | 14                 | 15.6             | 12                | 11.4            | 15                 | 16.9             | 16                | 16.1            | 12                 | 3.6              |
| 70          | 61147       | 643          | -73        | .          | 9                 | 4.3             | 11                 | 5.6              | 16                | 33.6            | 14                 | 22.9             | 11                | 10.4            | 14                 | 10.8             | 14                | 6.1             | 10                 | 3.6              |
| 50          | 67688       | 181          | -65        | .          | 10                | 2.8             | 12                 | 6.9              | 19                | 44.4            | 15                 | 16.3             | 12                | 7.8             | 13                 | 11.1             | 14                | 6.1             | 10                 | 3.6              |
| 30          | 78153       | -91          | -56        | .          | 10                | 2.3             | 16                 | 11.6             | 26                | 51.1            | 17                 | 9.8              | 12                | 4.4             | 18                 | 8.3              | 16                | 8.4             | 12                 | 3.1              |
| 20          | 86835       | -46          | -50        | .          | 8                 | 1.2             | 9                  | 6.2              | 9                 | 7.6             | 9                  | 5.7              | 6                 | 3.4             | 10                 | 10.4             | 11                | 13.1            | 6                  | 1.6              |
| 10          | 101818      | -67          | -41        | .          | 17                | 2.6             | 18                 | 12.6             | 18                | 15.3            | 17                 | 11.6             | 11                | 6.9             | 20                 | 20.9             | 23                | 26.3            | 13                 | 3.3              |

NOV Latitude=12.50 Longitude= 52.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 9                 | 12.9            | 10                 | 57.3             | 7                 | 22.9            | 6                  | 1.6              | 0                 | 0.0             | 3                  | 2.3              | 5                 | 0.6             | 4                  | 0.9              |
| 1000        | 367         | 3            | 25         | 22         | 9                 | 8.3             | 11                 | 53.9             | 10                | 28.8            | 6                  | 4.8              | 8                 | 0.9             | 4                  | 1.4              | 6                 | 0.3             | 4                  | 0.6              |
| 850         | 4990        | 210          | 17         | 7          | 11                | 4.1             | 14                 | 41.9             | 14                | 46.4            | 8                  | 6.3              | 5                 | 0.1             | 8                  | 0.3              | 6                 | 0.3             | 6                  | 0.1              |
| 700         | 10342       | 460          | 9          | -8         | 9                 | 8.8             | 14                 | 37.5             | 14                | 40.4            | 11                 | 5.9              | 6                 | 2.3             | 5                  | 1.1              | 6                 | 0.9             | 6                  | 2.3              |
| 500         | 19263       | 974          | -5         | -24        | 10                | 6.4             | 14                 | 26.1             | 17                | 43.4            | 13                 | 10.3             | 8                 | 3.3             | 9                  | 3.6              | 8                 | 3.6             | 8                  | 2.4              |
| 400         | 24893       | 1319         | -17        | -33        | 14                | 5.8             | 14                 | 23.8             | 18                | 30.9            | 13                 | 12.5             | 12                | 4.9             | 13                 | 8.8              | 14                | 6.8             | 8                  | 5.9              |
| 300         | 31789       | 1724         | -32        | -47        | 15                | 7.1             | 16                 | 15.6             | 15                | 17.4            | 13                 | 10.3             | 15                | 10.4            | 17                 | 18.1             | 17                | 12.9            | 14                 | 7.6              |
| 250         | 35916       | 1917         | -42        | .          | 17                | 7.4             | 15                 | 9.9              | 14                | 10.8            | 13                 | 9.4              | 19                | 13.8            | 19                 | 23.1             | 19                | 17.4            | 18                 | 7.6              |
| 200         | 40753       | 2091         | -54        | .          | 18                | 5.8             | 11                 | 6.3              | 14                | 8.9             | 15                 | 10.4             | 21                | 14.4            | 21                 | 25.8             | 22                | 18.4            | 18                 | 9.1              |
| 150         | 46632       | 1985         | -68        | .          | 15                | 5.1             | 11                 | 4.9              | 15                | 8.9             | 14                 | 11.4             | 16                | 16.8            | 20                 | 26.9             | 20                | 17.6            | 15                 | 7.8              |
| 100         | 54384       | 1301         | -77        | .          | 10                | 4.9             | 11                 | 7.9              | 16                | 18.6            | 15                 | 16.4             | 12                | 13.3            | 15                 | 21.6             | 15                | 12.8            | 11                 | 3.4              |
| 70          | 61145       | 641          | -73        | .          | 10                | 1.8             | 11                 | 6.8              | 17                | 36.3            | 12                 | 21.8             | 10                | 9.9             | 13                 | 11.6             | 11                | 7.4             | 10                 | 3.4              |
| 50          | 67690       | 183          | -65        | .          | 8                 | 1.9             | 13                 | 6.9              | 20                | 47.9            | 13                 | 12.9             | 11                | 7.3             | 13                 | 11.6             | 13                | 7.1             | 10                 | 3.6              |
| 30          | 78154       | -90          | -56        | .          | 9                 | 2.4             | 16                 | 9.3              | 26                | 56.4            | 13                 | 7.1              | 11                | 3.9             | 18                 | 7.4              | 16                | 10.3            | 12                 | 2.4              |
| 20          | 86832       | -49          | -50        | .          | 6                 | 2.2             | 7                  | 5.1              | 9                 | 9.4             | 8                  | 4.7              | 6                 | 3.1             | 10                 | 9.9              | 12                | 13.4            | 5                  | 1.4              |
| 10          | 101807      | -78          | -41        | .          | 13                | 4.6             | 14                 | 10.3             | 19                | 18.9            | 16                 | 9.6              | 12                | 6.3             | 19                 | 19.9             | 25                | 26.9            | 10                 | 2.9              |

DEC Latitude= 7.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 23         | 11         | 6                 | 8.7             | 4                  | 21.9             | 4                 | 27.0            | 5                  | 29.3             | 4                 | 8.7             | 1                  | 0.3              | 2                 | 0.3             | 2                  | 0.9              |
| 1000        | 365         | 1            | 29         | 19         | 7                 | 8.2             | 7                  | 19.3             | 7                 | 29.8            | 7                  | 29.5             | 6                 | 7.5             | 3                  | 1.2              | 1                 | 0.1             | 4                  | 2.0              |
| 850         | 4953        | 173          | 20         | 12         | 6                 | 4.1             | 8                  | 19.5             | 9                 | 38.3            | 8                  | 29.1             | 7                 | 5.1             | 3                  | 0.6              | 3                 | 0.1             | 3                  | 1.1              |
| 700         | 10336       | 454          | 8          | 2          | 8                 | 6.9             | 10                 | 34.3             | 12                | 48.3            | 12                 | 8.3              | 5                 | 0.3             | 0                  | 0.0              | 3                 | 0.1             | 3                  | 0.9              |
| 500         | 19237       | 948          | -6         | -21        | 10                | 6.1             | 14                 | 23.5             | 19                | 57.4            | 12                 | 8.2              | 10                | 1.4             | 8                  | 1.1              | 6                 | 0.9             | 6                  | 0.9              |
| 400         | 24871       | 1297         | -16        | -33        | 16                | 9.0             | 16                 | 25.9             | 19                | 43.5            | 14                 | 8.5              | 11                | 1.9             | 10                 | 2.0              | 10                | 3.3             | 10                 | 4.9              |
| 300         | 31756       | 1691         | -32        | -46        | 19                | 18.7            | 17                 | 19.9             | 17                | 19.9            | 14                 | 9.6              | 12                | 4.9             | 12                 | 6.2              | 15                | 9.0             | 13                 | 10.9             |
| 250         | 35905       | 1906         | -42        | .          | 22                | 18.8            | 17                 | 12.7             | 15                | 12.5            | 15                 | 12.2             | 15                | 7.2             | 14                 | 5.9              | 18                | 16.6            | 19                 | 13.7             |
| 200         | 40753       | 2091         | -54        | .          | 20                | 18.7            | 13                 | 7.2              | 15                | 7.2             | 17                 | 8.8              | 16                | 8.5             | 16                 | 8.3              | 20                | 20.3            | 21                 | 20.6             |
| 150         | 46640       | 1993         | -68        | .          | 20                | 14.9            | 15                 | 10.6             | 14                | 6.1             | 14                 | 7.5              | 14                | 6.4             | 14                 | 6.2              | 22                | 16.4            | 22                 | 31.1             |
| 100         | 54366       | 1283         | -78        | .          | 17                | 16.4            | 13                 | 12.2             | 15                | 14.6            | 11                 | 6.9              | 12                | 6.2             | 11                 | 6.7              | 15                | 14.9            | 16                 | 21.4             |
| 70          | 61053       | 549          | -75        | .          | 13                | 10.6            | 12                 | 9.6              | 14                | 24.1            | 11                 | 12.7             | 10                | 6.9             | 11                 | 9.8              | 16                | 13.7            | 13                 | 11.9             |
| 50          | 67553       | 46           | -65        | .          | 12                | 4.3             | 13                 | 8.8              | 20                | 29.8            | 13                 | 9.1              | 11                | 8.9             | 18                 | 10.6             | 21                | 20.4            | 17                 | 7.7              |
| 30          | 77975       | -269         | -56        | .          | 14                | 3.5             | 22                 | 6.7              | 27                | 41.6            | 15                 | 6.7              | 16                | 5.8             | 25                 | 11.7             | 30                | 18.2            | 23                 | 5.4              |
| 20          | 86641       | -240         | -51        | .          | 6                 | 2.0             | 8                  | 3.5              | 10                | 6.4             | 6                  | 1.7              | 11                | 4.5             | 16                 | 10.9             | 18                | 16.7            | 10                 | 3.6              |
| 10          | 101483      | -402         | -41        | .          | 13                | 4.1             | 17                 | 7.0              | 19                | 12.9            | 12                 | 3.5              | 22                | 9.0             | 31                 | 21.9             | 37                | 33.5            | 21                 | 7.4              |

DEC Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 13         | 6                 | 0.3             | 8                  | 30.3             | 8                 | 61.2            | 8                  | 8.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 353         | -11          | 28         | 18         | 5                 | 2.9             | 10                 | 27.9             | 10                | 54.1            | 7                  | 12.5             | 3                 | 0.4             | 3                  | 0.4              | 3                 | 0.3             | 4                  | 0.8              |
| 850         | 4960        | 180          | 19         | 12         | 7                 | 2.4             | 12                 | 34.3             | 14                | 58.5            | 10                 | 4.5              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.1              |
| 700         | 10328       | 446          | 8          | 1          | 9                 | 11.7            | 12                 | 40.6             | 14                | 40.9            | 10                 | 4.9              | 4                 | 0.1             | 0                  | 0.0              | 1                 | 0.1             | 6                  | 0.9              |
| 500         | 19239       | 950          | -6         | -21        | 8                 | 6.1             | 15                 | 21.9             | 19                | 58.0            | 13                 | 8.0              | 6                 | 2.0             | 15                 | 0.1              | 4                 | 0.8             | 6                  | 2.2              |
| 400         | 24862       | 1288         | -16        | -33        | 13                | 10.3            | 17                 | 23.8             | 20                | 41.4            | 13                 | 10.1             | 8                 | 2.4             | 9                  | 3.0              | 10                | 4.8             | 11                 | 3.8              |
| 300         | 31756       | 1691         | -32        | -47        | 17                | 17.2            | 17                 | 15.1             | 16                | 25.0            | 13                 | 10.6             | 12                | 5.3             | 12                 | 6.6              | 13                | 9.9             | 17                 | 9.8              |
| 250         | 35901       | 1902         | -42        | .          | 20                | 15.3            | 16                 | 13.7             | 14                | 12.2            | 15                 | 13.3             | 14                | 9.1             | 14                 | 7.7              | 18                | 14.3            | 22                 | 13.8             |
| 200         | 40748       | 2086         | -54        | .          | 21                | 15.9            | 15                 | 8.3              | 15                | 6.4             | 15                 | 13.2             | 15                | 10.3            | 18                 | 9.1              | 21                | 17.7            | 24                 | 18.2             |
| 150         | 46634       | 1987         | -68        | .          | 20                | 14.8            | 15                 | 8.7              | 12                | 8.3             | 15                 | 10.3             | 15                | 6.1             | 14                 | 7.2              | 22                | 17.5            | 23                 | 26.6             |
| 100         | 54367       | 1284         | -78        | .          | 16                | 14.6            | 13                 | 11.9             | 15                | 15.4            | 12                 | 7.9              | 11                | 6.4             | 12                 | 8.3              | 16                | 14.5            | 16                 | 20.3             |
| 70          | 61059       | 555          | -75        | .          | 12                | 7.9             | 12                 | 10.3             | 15                | 23.0            | 11                 | 12.4             | 9                 | 8.3             | 12                 | 12.4             | 16                | 13.7            | 14                 | 11.4             |
| 50          | 67554       | 47           | -65        | .          | 9                 | 3.2             | 14                 | 8.5              | 20                | 30.4            | 14                 | 7.5              | 10                | 8.0             | 19                 | 14.1             | 22                | 20.8            | 17                 | 6.9              |
| 30          | 77971       | -273         | -56        | .          | 14                | 1.2             | 23                 | 6.6              | 27                | 41.2            | 17                 | 6.9              | 13                | 6.2             | 30                 | 13.3             | 30                | 19.0            | 27                 | 4.9              |
| 20          | 86637       | -244         | -51        | .          | 6                 | 1.8             | 8                  | 3.3              | 10                | 6.0             | 7                  | 2.0              | 10                | 4.3             | 19                 | 12.6             | 20                | 15.5            | 10                 | 3.6              |
| 10          | 101487      | -398         | -41        | .          | 13                | 3.8             | 17                 | 6.7              | 21                | 12.2            | 14                 | 4.1              | 20                | 8.7             | 38                 | 25.4             | 40                | 31.2            | 20                 | 7.4              |

DEC Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 14         | 0                 | 0.0             | 9                  | 30.6             | 10                | 66.1            | 10                 | 3.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 352         | -12          | 27         | 18         | 7                 | 0.1             | 12                 | 30.9             | 12                | 64.6            | 10                 | 4.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4964        | 184          | 18         | 12         | 10                | 0.4             | 17                 | 52.4             | 16                | 46.1            | 10                 | 0.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10326       | 444          | 9          | -1         | 10                | 7.7             | 13                 | 38.3             | 15                | 45.9            | 11                 | 5.8              | 5                 | 0.9             | 4                  | 0.3              | 0                 | 0.0             | 6                  | 0.6              |
| 500         | 19234       | 945          | -6         | -20        | 7                 | 6.6             | 15                 | 23.8             | 20                | 54.0            | 10                 | 8.0              | 6                 | 1.4             | 4                  | 1.7              | 5                 | 1.1             | 5                  | 2.7              |
| 400         | 24860       | 1286         | -16        | -33        | 13                | 9.6             | 18                 | 23.5             | 21                | 38.0            | 14                 | 10.8             | 7                 | 3.2             | 9                  | 3.2              | 11                | 4.8             | 10                 | 6.2              |
| 300         | 31760       | 1695         | -32        | -47        | 16                | 13.8            | 15                 | 13.2             | 17                | 24.5            | 13                 | 14.3             | 13                | 6.1             | 12                 | 7.9              | 15                | 9.0             | 16                 | 10.9             |
| 250         | 35901       | 1902         | -42        | .          | 17                | 13.3            | 18                 | 9.8              | 14                | 12.7            | 15                 | 17.4             | 16                | 9.5             | 16                 | 9.6              | 18                | 14.5            | 20                 | 12.7             |
| 200         | 40746       | 2084         | -54        | .          | 21                | 11.7            | 17                 | 7.0              | 14                | 8.8             | 17                 | 14.8             | 15                | 14.0            | 20                 | 10.6             | 22                | 16.4            | 24                 | 15.6             |
| 150         | 46631       | 1984         | -68        | .          | 19                | 14.3            | 14                 | 9.1              | 13                | 8.5             | 17                 | 12.9             | 15                | 8.0             | 16                 | 9.1              | 23                | 18.5            | 23                 | 19.1             |
| 100         | 54367       | 1284         | -77        | .          | 15                | 11.4            | 14                 | 12.9             | 15                | 14.5            | 11                 | 11.9             | 9                 | 7.9             | 14                 | 8.0              | 17                | 14.9            | 16                 | 17.9             |
| 70          | 61065       | 561          | -75        | .          | 10                | 6.2             | 13                 | 9.5              | 15                | 25.6            | 11                 | 13.5             | 10                | 8.5             | 14                 | 12.2             | 17                | 15.1            | 15                 | 8.3              |
| 50          | 67559       | 52           | -65        | .          | 10                | 2.7             | 14                 | 7.9              | 20                | 30.3            | 13                 | 9.9              | 12                | 7.4             | 19                 | 17.0             | 25                | 18.0            | 16                 | 6.2              |
| 30          | 77974       | -270         | -57        | .          | 10                | 1.1             | 21                 | 4.9              | 28                | 42.9            | 16                 | 6.4              | 11                | 6.4             | 31                 | 14.8             | 32                | 19.5            | 30                 | 3.7              |
| 20          | 86636       | -245         | -51        | .          | 9                 | 1.8             | 8                  | 3.5              | 11                | 5.9             | 6                  | 2.0              | 8                 | 4.5             | 21                 | 13.0             | 21                | 16.2            | 9                  | 2.5              |
| 10          | 101494      | -391         | -41        | .          | 18                | 3.8             | 17                 | 7.0              | 23                | 11.9            | 13                 | 4.1              | 17                | 9.0             | 42                 | 26.1             | 43                | 32.5            | 17                 | 5.1              |

DEC Latitude= 7.50 Longitude= 50.00

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC  | .           | .            | 26         | 22         | 16                | 10.6            | 15                 | 81.6             | 14                | 7.7             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000 | 353         | -11          | 25         | 21         | 16                | 5.1             | 16                 | 73.2             | 15                | 21.1            | 7                  | 0.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850  | 4963        | 183          | 16         | 10         | 12                | 0.6             | 20                 | 69.1             | 18                | 29.1            | 9                  | 0.6              | 8                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700  | 10317       | 435          | 9          | -3         | 10                | 4.0             | 14                 | 29.3             | 15                | 56.1            | 10                 | 6.9              | 9                 | 1.6             | 3                  | 0.6              | 3                 | 0.3             | 6                  | 0.4              |
| 500  | 19232       | 943          | -5         | -20        | 9                 | 5.9             | 17                 | 23.2             | 19                | 51.6            | 12                 | 8.8              | 6                 | 3.2             | 6                  | 2.9              | 6                 | 1.6             | 6                  | 2.4              |
| 400  | 24861       | 1287         | -16        | -32        | 13                | 9.5             | 19                 | 22.2             | 21                | 38.2            | 15                 | 9.8              | 11                | 4.3             | 11                 | 3.7              | 10                | 5.8             | 10                 | 5.8              |
| 300  | 31768       | 1703         | -32        | -46        | 15                | 11.7            | 15                 | 13.5             | 17                | 24.1            | 15                 | 12.7             | 14                | 7.0             | 15                 | 8.2              | 14                | 11.6            | 13                 | 10.4             |
| 250  | 35904       | 1905         | -42        | .          | 15                | 9.0             | 18                 | 9.3              | 17                | 13.0            | 16                 | 15.8             | 16                | 10.4            | 17                 | 13.3             | 18                | 15.8            | 17                 | 12.7             |
| 200  | 40749       | 2087         | -54        | .          | 20                | 8.5             | 18                 | 6.1              | 15                | 11.6            | 17                 | 16.7             | 17                | 14.6            | 21                 | 14.6             | 23                | 15.6            | 23                 | 11.9             |
| 150  | 46631       | 1984         | -68        | .          | 19                | 9.8             | 14                 | 9.8              | 15                | 8.5             | 18                 | 14.9             | 15                | 11.9            | 20                 | 10.9             | 24                | 19.3            | 19                 | 14.1             |
| 100  | 54372       | 1289         | -77        | .          | 14                | 8.3             | 15                 | 12.7             | 14                | 15.6            | 12                 | 13.0             | 10                | 9.1             | 14                 | 10.9             | 18                | 16.1            | 16                 | 13.3             |
| 50   | 61073       | 569          | -75        | .          | 9                 | 4.6             | 13                 | 10.4             | 15                | 26.9            | 12                 | 13.8             | 13                | 9.6             | 16                 | 10.6             | 18                | 14.1            | 14                 | 9.0              |
| 50   | 67564       | 57           | -65        | .          | 9                 | 2.9             | 15                 | 6.9              | 21                | 33.0            | 12                 | 8.8              | 14                | 6.6             | 21                 | 16.6             | 24                | 17.7            | 17                 | 6.9              |
| 30   | 77975       | -269         | -57        | .          | 10                | 1.7             | 14                 | 5.4              | 29                | 44.3            | 15                 | 6.7              | 13                | 4.0             | 33                 | 13.5             | 35                | 19.5            | 25                 | 4.5              |
| 20   | 86637       | -244         | -51        | .          | 11                | 1.4             | 9                  | 2.8              | 11                | 6.4             | 7                  | 3.0              | 8                 | 3.8             | 19                 | 12.5             | 24                | 16.8            | 9                  | 2.6              |
| 10   | 101492      | -393         | -41        | .          | 22                | 2.9             | 18                 | 5.8              | 22                | 12.9            | 14                 | 6.1              | 16                | 7.7             | 39                 | 25.1             | 49                | 33.8            | 17                 | 5.4              |

DEC Latitude= 7.50 Longitude= 52.50

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC  | .           | .            | 27         | 23         | 15                | 9.9             | 14                 | 86.4             | 10                | 3.5             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000 | 345         | -19          | 25         | 22         | 16                | 9.3             | 16                 | 84.6             | 13                | 5.4             | 7                  | 0.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850  | 4960        | 180          | 16         | 9          | 9                 | 0.4             | 17                 | 51.4             | 17                | 46.7            | 8                  | 0.8              | 10                | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700  | 10313       | 431          | 9          | -4         | 9                 | 3.8             | 13                 | 28.3             | 14                | 50.1            | 10                 | 12.5             | 8                 | 2.4             | 7                  | 0.6              | 5                 | 0.8             | 4                  | 0.6              |
| 500  | 19231       | 942          | -5         | -20        | 12                | 4.5             | 17                 | 25.3             | 19                | 50.3            | 11                 | 7.5              | 7                 | 3.3             | 7                  | 2.4              | 7                 | 3.8             | 6                  | 2.5              |
| 400  | 24863       | 1289         | -16        | -32        | 14                | 8.7             | 19                 | 24.1             | 20                | 38.2            | 14                 | 9.6              | 11                | 3.3             | 11                 | 4.8              | 12                | 5.8             | 9                  | 4.9              |
| 300  | 31774       | 1709         | -32        | -45        | 13                | 9.9             | 15                 | 15.1             | 17                | 24.0            | 17                 | 9.1              | 15                | 7.2             | 15                 | 9.8              | 16                | 12.7            | 13                 | 11.1             |
| 250  | 35908       | 1909         | -42        | .          | 13                | 6.6             | 17                 | 9.1              | 16                | 16.2            | 16                 | 15.3             | 16                | 9.9             | 19                 | 13.7             | 19                | 19.3            | 16                 | 11.2             |
| 200  | 40751       | 2089         | -54        | .          | 15                | 8.5             | 16                 | 7.7              | 15                | 12.0            | 16                 | 15.3             | 18                | 13.2            | 22                 | 15.4             | 25                | 18.5            | 20                 | 9.0              |
| 150  | 46631       | 1984         | -68        | .          | 14                | 8.5             | 15                 | 7.9              | 15                | 11.4            | 18                 | 15.1             | 19                | 11.4            | 21                 | 13.5             | 23                | 22.2            | 17                 | 9.5              |
| 100  | 54373       | 1290         | -77        | .          | 11                | 8.5             | 15                 | 12.5             | 14                | 15.9            | 12                 | 13.5             | 14                | 9.0             | 14                 | 11.4             | 19                | 20.3            | 14                 | 8.0              |
| 70   | 61074       | 570          | -75        | .          | 8                 | 4.6             | 14                 | 11.4             | 15                | 30.1            | 13                 | 11.2             | 14                | 10.6            | 15                 | 8.2              | 19                | 15.4            | 15                 | 7.5              |
| 50   | 67565       | 58           | -65        | .          | 10                | 4.1             | 16                 | 7.2              | 21                | 34.5            | 12                 | 9.1              | 16                | 6.1             | 18                 | 13.5             | 26                | 19.5            | 18                 | 5.6              |
| 30   | 77971       | -273         | -57        | .          | 14                | 4.6             | 14                 | 5.1              | 29                | 48.0            | 18                 | 3.3              | 14                | 2.7             | 29                 | 7.7              | 38                | 23.0            | 20                 | 4.8              |
| 20   | 86630       | -251         | -51        | .          | 9                 | 1.5             | 8                  | 3.3              | 10                | 6.5             | 8                  | 2.6              | 8                 | 3.3             | 16                 | 9.3              | 26                | 19.9            | 8                  | 2.8              |
| 10   | 101480      | -405         | -41        | .          | 17                | 3.2             | 16                 | 6.7              | 21                | 13.2            | 16                 | 5.4              | 17                | 6.7             | 33                 | 18.7             | 53                | 39.9            | 17                 | 5.8              |

DEC Latitude=10.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 20         | 12         | 5                 | 3.8             | 6                  | 36.1             | 5                 | 40.9            | 5                  | 17.0             | 5                 | 1.6             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.3              |
| 1000        | 402         | 38           | 27         | 21         | 7                 | 4.6             | 9                  | 38.8             | 8                 | 43.2            | 8                  | 11.6             | 7                 | 0.9             | 2                  | 0.1              | 4                 | 0.1             | 4                  | 0.3              |
| 850         | 4966        | 186          | 19         | 13         | 6                 | 4.0             | 9                  | 30.6             | 9                 | 50.1            | 10                 | 13.3             | 8                 | 1.1             | 4                  | 0.1              | 3                 | 0.1             | 4                  | 0.3              |
| 700         | 10345       | 463          | 9          | 0          | 5                 | 2.5             | 8                  | 20.2             | 10                | 37.7            | 11                 | 37.5             | 7                 | 8.8             | 7                  | 1.6              | 4                 | 1.4             | 3                  | 0.6              |
| 500         | 19248       | 959          | -6         | -21        | 11                | 7.4             | 13                 | 20.3             | 18                | 48.0            | 14                 | 14.1             | 10                | 2.9             | 8                  | 2.5              | 8                 | 2.4             | 6                  | 2.0              |
| 400         | 24883       | 1309         | -17        | -32        | 16                | 11.9            | 17                 | 21.1             | 17                | 34.8            | 13                 | 12.9             | 9                 | 2.9             | 11                 | 3.2              | 12                | 7.4             | 11                 | 5.3              |
| 300         | 31758       | 1693         | -32        | -47        | 19                | 20.8            | 18                 | 16.9             | 15                | 14.6            | 13                 | 7.2              | 12                | 6.2             | 15                 | 7.0              | 17                | 14.5            | 17                 | 12.2             |
| 250         | 35906       | 1907         | -42        | .          | 21                | 17.5            | 18                 | 10.3             | 14                | 9.3             | 13                 | 8.2              | 12                | 7.5             | 17                 | 10.8             | 21                | 17.9            | 22                 | 18.0             |
| 200         | 40753       | 2091         | -54        | .          | 22                | 15.1            | 14                 | 8.8              | 12                | 6.1             | 15                 | 6.2              | 15                | 6.1             | 18                 | 11.1             | 24                | 24.8            | 24                 | 21.4             |
| 150         | 46639       | 1992         | -68        | .          | 19                | 13.5            | 15                 | 9.3              | 14                | 4.0             | 12                 | 4.5              | 14                | 6.2             | 14                 | 9.0              | 24                | 22.2            | 24                 | 30.8             |
| 100         | 54372       | 1289         | -78        | .          | 16                | 14.0            | 12                 | 10.3             | 12                | 11.2            | 10                 | 7.5              | 10                | 6.1             | 15                 | 9.1              | 17                | 17.5            | 17                 | 23.2             |
| 70          | 61064       | 560          | -75        | .          | 12                | 10.1            | 12                 | 10.4             | 15                | 20.8            | 10                 | 11.9             | 8                 | 8.0             | 10                 | 7.5              | 14                | 14.9            | 13                 | 14.8             |
| 50          | 67564       | 57           | -65        | .          | 15                | 4.8             | 14                 | 11.1             | 18                | 28.5            | 13                 | 15.3             | 11                | 6.9             | 14                 | 7.4              | 18                | 17.9            | 16                 | 7.9              |
| 30          | 77987       | -257         | -56        | .          | 14                | 4.5             | 21                 | 7.5              | 25                | 39.8            | 18                 | 12.7             | 14                | 5.4             | 18                 | 7.7              | 21                | 13.8            | 22                 | 7.7              |
| 20          | 86649       | -232         | -51        | .          | 7                 | 2.3             | 7                  | 2.6              | 10                | 3.8             | 12                 | 5.4              | 10                | 5.4             | 11                 | 8.0              | 16                | 18.1            | 12                 | 3.6              |
| 10          | 101506      | -379         | -41        | .          | 14                | 4.8             | 15                 | 5.4              | 19                | 7.7             | 24                 | 10.9             | 20                | 10.9            | 22                 | 16.1             | 33                | 36.4            | 24                 | 7.4              |

DEC Latitude=10.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 22         | 14         | 8                 | 49.3            | 5                  | 36.7             | 4                 | 10.6            | 5                  | 1.2              | 4                 | 1.2             | 0                  | 0.0              | 0                 | 0.0             | 3                  | 0.6              |
| 1000        | 393         | 29           | 26         | 20         | 12                | 32.4            | 10                 | 37.7             | 10                | 24.8            | 7                  | 1.2              | 5                 | 0.3             | 0                  | 0.0              | 3                 | 0.8             | 5                  | 2.2              |
| 850         | 4978        | 198          | 17         | 12         | 8                 | 7.7             | 10                 | 41.6             | 12                | 44.8            | 9                  | 4.3              | 9                 | 0.8             | 2                  | 0.1              | 0                 | 0.0             | 3                  | 0.3              |
| 700         | 10341       | 459          | 9          | -1         | 6                 | 5.8             | 9                  | 19.9             | 11                | 48.3            | 10                 | 18.5             | 7                 | 1.9             | 6                  | 1.2              | 5                 | 1.4             | 5                  | 1.9              |
| 500         | 19249       | 960          | -5         | -22        | 10                | 8.2             | 13                 | 21.9             | 18                | 49.0            | 13                 | 11.9             | 9                 | 1.6             | 8                  | 1.7              | 10                | 1.2             | 7                  | 4.0              |
| 400         | 24876       | 1302         | -17        | -33        | 15                | 12.5            | 17                 | 18.3             | 18                | 34.8            | 13                 | 12.5             | 9                 | 2.9             | 11                 | 3.8              | 11                | 6.4             | 12                 | 8.0              |
| 300         | 31761       | 1696         | -32        | -47        | 19                | 17.0            | 16                 | 14.6             | 14                | 18.8            | 13                 | 8.7              | 12                | 5.4             | 15                 | 7.2              | 16                | 13.2            | 18                 | 14.5             |
| 250         | 35900       | 1901         | -42        | .          | 21                | 15.4            | 19                 | 9.6              | 14                | 10.1            | 12                 | 9.9              | 15                | 8.3             | 16                 | 12.4             | 20                | 17.0            | 24                 | 16.4             |
| 200         | 40741       | 2079         | -54        | .          | 22                | 14.3            | 15                 | 7.4              | 13                | 4.5             | 14                 | 5.6              | 16                | 8.8             | 18                 | 13.3             | 25                | 19.0            | 25                 | 22.7             |
| 150         | 46625       | 1978         | -68        | .          | 20                | 12.4            | 14                 | 8.7              | 13                | 4.5             | 14                 | 5.6              | 15                | 8.3             | 16                 | 9.6              | 23                | 21.9            | 24                 | 28.7             |
| 100         | 54369       | 1286         | -77        | .          | 16                | 13.0            | 11                 | 11.7             | 15                | 12.4            | 11                 | 7.0              | 11                | 7.4             | 15                 | 10.8             | 16                | 14.9            | 17                 | 22.2             |
| 70          | 61065       | 561          | -75        | .          | 11                | 8.7             | 11                 | 9.9              | 15                | 21.1            | 9                  | 14.5             | 10                | 9.1             | 11                 | 9.8              | 14                | 14.1            | 15                 | 11.9             |
| 50          | 67555       | 48           | -65        | .          | 8                 | 2.5             | 13                 | 9.1              | 18                | 31.4            | 13                 | 14.0             | 12                | 7.5             | 14                 | 9.8              | 18                | 17.0            | 14                 | 8.0              |
| 30          | 77967       | -277         | -56        | .          | 12                | 1.4             | 21                 | 6.1              | 24                | 40.8            | 18                 | 11.4             | 15                | 6.9             | 19                 | 11.6             | 23                | 13.8            | 19                 | 7.7              |
| 20          | 86626       | -255         | -51        | .          | 10                | 2.0             | 6                  | 1.5              | 9                 | 4.0             | 9                  | 4.5              | 12                | 7.5             | 11                 | 8.5              | 17                | 17.6            | 10                 | 3.6              |
| 10          | 101494      | -391         | -41        | .          | 20                | 4.1             | 13                 | 3.2              | 19                | 8.0             | 18                 | 9.0              | 24                | 15.1            | 23                 | 17.0             | 35                | 35.4            | 20                 | 7.4              |

DEC Latitude=10.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 21         | 13         | 8                 | 4.1             | 9                  | 52.5             | 7                 | 39.9            | 6                  | 3.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 406         | 42           | 27         | 20         | 9                 | 5.6             | 11                 | 53.7             | 10                | 37.2            | 8                  | 2.9              | 8                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 0.1              |
| 850         | 4979        | 199          | 17         | 12         | 8                 | 1.4             | 14                 | 38.8             | 14                | 54.6            | 10                 | 4.1              | 5                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.1              |
| 700         | 10336       | 454          | 9          | -2         | 7                 | 5.4             | 11                 | 25.9             | 13                | 51.7            | 10                 | 9.1              | 5                 | 3.0             | 5                  | 0.4              | 6                 | 0.8             | 6                  | 2.7              |
| 500         | 19252       | 963          | -6         | -22        | 8                 | 6.7             | 14                 | 20.1             | 18                | 49.3            | 12                 | 11.9             | 7                 | 2.4             | 7                  | 1.9              | 6                 | 2.0             | 8                  | 5.1              |
| 400         | 24874       | 1300         | -17        | -33        | 14                | 10.8            | 17                 | 17.7             | 19                | 33.5            | 14                 | 12.4             | 8                 | 4.8             | 9                  | 4.8              | 11                | 8.5             | 13                 | 6.9              |
| 300         | 31754       | 1689         | -32        | -47        | 17                | 13.7            | 16                 | 12.2             | 14                | 17.7            | 14                 | 11.6             | 12                | 6.6             | 15                 | 8.8              | 17                | 13.0            | 18                 | 16.1             |
| 250         | 35898       | 1899         | -42        | .          | 22                | 10.8            | 16                 | 8.3              | 12                | 10.1            | 14                 | 13.0             | 15                | 9.9             | 16                 | 11.7             | 20                | 19.3            | 22                 | 16.4             |
| 200         | 40741       | 2079         | -54        | .          | 21                | 11.7            | 16                 | 5.8              | 12                | 5.8             | 15                 | 10.1             | 14                | 11.6            | 19                 | 17.0             | 26                | 18.5            | 25                 | 19.0             |
| 150         | 46624       | 1977         | -68        | .          | 20                | 11.9            | 13                 | 6.2              | 12                | 5.3             | 14                 | 10.1             | 15                | 8.8             | 15                 | 10.8             | 22                | 22.9            | 24                 | 23.7             |
| 100         | 54367       | 1284         | -77        | .          | 14                | 12.9            | 13                 | 10.4             | 13                | 13.7            | 13                 | 8.3              | 11                | 7.7             | 14                 | 12.4             | 16                | 15.3            | 16                 | 18.7             |
| 70          | 61069       | 565          | -75        | .          | 10                | 5.6             | 12                 | 9.3              | 15                | 21.1            | 11                 | 15.8             | 10                | 12.5            | 12                 | 13.0             | 15                | 12.0            | 14                 | 9.8              |
| 50          | 67561       | 54           | -65        | .          | 11                | 1.6             | 14                 | 7.0              | 18                | 32.4            | 15                 | 13.5             | 12                | 8.8             | 16                 | 14.1             | 18                | 15.1            | 15                 | 6.7              |
| 30          | 77968       | -276         | -56        | .          | 12                | 1.4             | 20                 | 4.6              | 26                | 41.7            | 17                 | 10.1             | 16                | 6.9             | 22                 | 14.5             | 24                | 14.5            | 19                 | 5.9              |
| 20          | 86626       | -255         | -51        | .          | 7                 | 2.0             | 8                  | 1.7              | 9                 | 4.3             | 7                  | 3.0              | 12                | 7.2             | 13                 | 10.5             | 18                | 17.2            | 11                 | 3.3              |
| 10          | 101507      | -378         | -41        | .          | 15                | 4.1             | 16                 | 3.5              | 17                | 8.7             | 15                 | 6.1              | 24                | 14.5            | 27                 | 21.2             | 36                | 34.5            | 22                 | 6.7              |

DEC Latitude=10.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 23         | 17         | 8                 | 13.5            | 10                 | 64.1             | 10                | 21.6            | 7                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 392         | 28           | 26         | 20         | 10                | 10.9            | 12                 | 56.2             | 12                | 31.7            | 8                  | 0.8              | 2                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4985        | 205          | 16         | 10         | 14                | 2.0             | 17                 | 56.4             | 15                | 39.0            | 10                 | 1.4              | 7                 | 0.4             | 3                  | 0.1              | 0                 | 0.0             | 3                  | 0.3              |
| 700         | 10331       | 449          | 9          | -4         | 9                 | 4.8             | 13                 | 30.1             | 14                | 52.4            | 9                  | 7.7              | 9                 | 1.7             | 5                  | 0.8              | 5                 | 0.8             | 8                  | 0.9              |
| 500         | 19247       | 958          | -5         | -22        | 11                | 5.9             | 16                 | 22.2             | 19                | 44.1            | 10                 | 12.9             | 7                 | 1.6             | 6                  | 3.2              | 7                 | 3.3             | 8                  | 6.1              |
| 400         | 24869       | 1295         | -17        | -33        | 16                | 12.0            | 19                 | 21.1             | 19                | 28.0            | 14                 | 11.9             | 10                | 5.1             | 11                 | 4.9              | 12                | 7.5             | 12                 | 8.5              |
| 300         | 31761       | 1696         | -32        | -47        | 17                | 9.8             | 16                 | 11.2             | 14                | 16.7            | 14                 | 13.7             | 13                | 7.9             | 16                 | 8.2              | 18                | 15.9            | 16                 | 15.8             |
| 250         | 35897       | 1898         | -42        | .          | 19                | 8.7             | 16                 | 8.0              | 13                | 6.2             | 15                 | 14.9             | 15                | 11.7            | 18                 | 13.5             | 21                | 21.9            | 21                 | 14.5             |
| 200         | 40738       | 2076         | -54        | .          | 21                | 10.1            | 19                 | 4.1              | 11                | 4.9             | 17                 | 11.1             | 17                | 13.8            | 20                 | 19.3             | 24                | 21.1            | 24                 | 15.1             |
| 150         | 46620       | 1973         | -68        | .          | 17                | 10.4            | 14                 | 6.7              | 11                | 4.3             | 17                 | 8.7              | 15                | 13.3            | 17                 | 13.3             | 24                | 22.5            | 22                 | 20.1             |
| 100         | 54364       | 1281         | -77        | .          | 12                | 10.3            | 14                 | 9.8              | 14                | 12.0            | 14                 | 10.4             | 12                | 9.1             | 13                 | 12.5             | 17                | 18.7            | 15                 | 16.7             |
| 70          | 61071       | 567          | -75        | .          | 10                | 5.1             | 11                 | 11.1             | 16                | 20.8            | 12                 | 17.9             | 12                | 14.1            | 14                 | 10.6             | 16                | 12.4            | 13                 | 7.7              |
| 50          | 67562       | 55           | -65        | .          | 10                | 2.9             | 14                 | 5.8              | 19                | 33.0            | 15                 | 14.1             | 14                | 10.4            | 16                 | 12.9             | 19                | 15.3            | 15                 | 4.9              |
| 30          | 77973       | -271         | -56        | .          | 12                | 2.7             | 15                 | 4.5              | 27                | 42.9            | 19                 | 9.3              | 16                | 5.4             | 24                 | 12.9             | 25                | 17.5            | 17                 | 4.5              |
| 20          | 86631       | -250         | -51        | .          | 10                | 1.7             | 8                  | 2.0              | 8                 | 4.9             | 7                  | 2.6              | 10                | 5.2             | 15                 | 11.4             | 19                | 18.8            | 11                 | 2.5              |
| 10          | 101499      | -386         | -41        | .          | 20                | 3.5             | 16                 | 4.1              | 17                | 9.9             | 15                 | 5.4              | 20                | 10.6            | 29                 | 22.9             | 37                | 37.7            | 23                 | 5.1              |

DEC Latitude=10.00 Longitude= 52.50

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 15                | 12.5            | 13                 | 80.6             | 10                | 6.7             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 371         | 7            | 25         | 21         | 17                | 7.0             | 16                 | 80.8             | 13                | 11.4            | 7                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4978        | 198          | 16         | 7          | 9                 | 1.6             | 17                 | 52.7             | 16                | 42.9            | 10                 | 1.9              | 7                 | 0.1             | 9                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10326       | 444          | 9          | -6         | 10                | 4.8             | 13                 | 29.1             | 15                | 50.9            | 8                  | 8.8              | 9                 | 2.9             | 6                  | 0.9              | 5                 | 0.9             | 5                  | 0.9              |
| 500         | 19244       | 955          | -5         | -22        | 13                | 6.4             | 17                 | 23.0             | 19                | 44.1            | 10                 | 9.5              | 7                 | 2.0             | 8                  | 3.7              | 9                 | 4.8             | 8                  | 5.8              |
| 400         | 24873       | 1299         | -17        | -33        | 16                | 13.0            | 18                 | 24.5             | 18                | 26.4            | 15                 | 9.3              | 12                | 4.8             | 12                 | 4.5              | 12                | 10.3            | 14                 | 6.6              |
| 300         | 31773       | 1708         | -32        | -47        | 14                | 10.1            | 15                 | 10.4             | 14                | 16.2            | 16                 | 11.2             | 14                | 6.6             | 17                 | 11.1             | 18                | 17.2            | 17                 | 16.4             |
| 250         | 35901       | 1902         | -42        | .          | 17                | 7.4             | 16                 | 7.0              | 14                | 8.2             | 16                 | 13.7             | 16                | 10.8            | 22                 | 14.6             | 22                | 23.5            | 19                 | 14.5             |
| 200         | 40741       | 2079         | -54        | .          | 17                | 8.3             | 17                 | 4.8              | 14                | 4.6             | 16                 | 11.4             | 20                | 12.4            | 21                 | 19.6             | 26                | 22.9            | 24                 | 12.5             |
| 150         | 46620       | 1973         | -68        | .          | 15                | 7.5             | 15                 | 5.4              | 10                | 4.6             | 16                 | 11.4             | 20                | 12.4            | 20                 | 12.9             | 23                | 28.7            | 19                 | 16.6             |
| 100         | 54369       | 1286         | -77        | .          | 13                | 9.6             | 14                 | 10.9             | 12                | 11.4            | 13                 | 9.3              | 14                | 12.2            | 13                 | 11.2             | 16                | 22.5            | 14                 | 12.4             |
| 70          | 61076       | 572          | -75        | .          | 10                | 4.5             | 12                 | 12.5             | 15                | 22.7            | 13                 | 18.0             | 14                | 11.4            | 12                 | 9.9              | 16                | 14.1            | 15                 | 5.9              |
| 50          | 67569       | 62           | -65        | .          | 11                | 2.7             | 13                 | 8.0              | 19                | 35.9            | 14                 | 10.6             | 16                | 8.3             | 16                 | 12.4             | 21                | 16.1            | 16                 | 5.3              |
| 30          | 77979       | -265         | -57        | .          | 14                | 1.9             | 15                 | 6.4              | 28                | 44.9            | 17                 | 7.5              | 19                | 3.8             | 23                 | 10.6             | 27                | 20.1            | 14                 | 4.3              |
| 20          | 86633       | -248         | -51        | .          | 8                 | 1.5             | 8                  | 2.6              | 8                 | 5.1             | 8                  | 3.0              | 9                 | 4.3             | 16                 | 9.3              | 20                | 20.7            | 11                 | 2.6              |
| 10          | 101487      | -398         | -41        | .          | 16                | 3.2             | 16                 | 5.4              | 17                | 10.3            | 16                 | 6.1              | 18                | 8.7             | 31                 | 18.7             | 40                | 41.6            | 22                 | 5.4              |

DEC Latitude=12.50 Longitude= 42.50

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 16         | 6                 | 0.3             | 6                  | 1.6              | 8                 | 13.5            | 10                 | 83.2             | 11                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 5                  | 0.9              |
| 1000        | 373         | 9            | 26         | 19         | 6                 | 0.3             | 8                  | 0.4              | 10                | 16.2            | 13                 | 80.8             | 9                 | 1.4             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 0.4              |
| 850         | 4981        | 201          | 17         | 10         | 15                | 0.1             | 6                  | 0.8              | 16                | 14.1            | 19                 | 84.0             | 5                 | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 5                  | 0.3              |
| 700         | 10351       | 469          | 9          | -5         | 4                 | 3.0             | 7                  | 7.2              | 10                | 29.6            | 12                 | 40.1             | 9                 | 9.5             | 7                  | 4.1              | 8                 | 2.2             | 7                  | 2.7              |
| 500         | 19261       | 972          | -6         | -24        | 13                | 8.8             | 12                 | 16.6             | 14                | 30.3            | 14                 | 16.6             | 11                | 5.6             | 11                 | 5.8              | 11                | 8.3             | 10                 | 7.4              |
| 400         | 24880       | 1306         | -17        | -33        | 18                | 14.3            | 15                 | 15.9             | 13                | 15.9            | 11                 | 10.1             | 11                | 5.6             | 11                 | 10.6             | 17                | 15.3            | 15                 | 11.7             |
| 300         | 31765       | 1700         | -32        | -48        | 22                | 17.0            | 15                 | 8.8              | 12                | 5.6             | 10                 | 4.8              | 11                | 5.9             | 17                 | 9.9              | 22                | 26.6            | 19                 | 20.6             |
| 250         | 35894       | 1895         | -42        | .          | 25                | 13.3            | 16                 | 5.4              | 11                | 3.5             | 11                 | 4.3              | 14                | 6.6             | 22                 | 13.3             | 25                | 29.1            | 25                 | 24.0             |
| 200         | 40731       | 2069         | -54        | .          | 22                | 11.2            | 13                 | 4.0              | 9                 | 1.6             | 10                 | 2.9              | 15                | 4.6             | 22                 | 12.7             | 29                | 37.4            | 28                 | 25.3             |
| 150         | 46615       | 1968         | -68        | .          | 16                | 10.4            | 14                 | 4.6              | 12                | 2.0             | 8                  | 1.1              | 14                | 4.1             | 19                 | 8.3              | 29                | 36.1            | 27                 | 32.4             |
| 100         | 54377       | 1294         | -77        | .          | 14                | 11.6            | 10                 | 7.9              | 10                | 6.6             | 9                  | 4.6              | 11                | 4.8             | 16                 | 11.7             | 19                | 26.6            | 18                 | 25.1             |
| 70          | 61079       | 575          | -75        | .          | 10                | 9.3             | 11                 | 9.6              | 12                | 18.2            | 10                 | 9.8              | 9                 | 6.9             | 11                 | 10.8             | 16                | 19.1            | 12                 | 15.1             |
| 50          | 67562       | 55           | -66        | .          | 11                | 5.8             | 12                 | 10.9             | 15                | 26.7            | 13                 | 15.6             | 10                | 7.9             | 13                 | 8.7              | 17                | 15.1            | 12                 | 8.2              |
| 30          | 77989       | -255         | -56        | .          | 10                | 4.8             | 17                 | 8.7              | 22                | 40.1            | 18                 | 15.1             | 8                 | 4.1             | 13                 | 8.0              | 19                | 10.6            | 17                 | 8.2              |
| 20          | 86644       | -237         | -51        | .          | 9                 | 1.8             | 10                 | 1.7              | 19                | 5.2             | 15                 | 6.0              | 6                 | 4.1             | 9                  | 8.0              | 14                | 18.3            | 14                 | 4.1              |
| 10          | 101519      | -366         | -42        | .          | 18                | 3.8             | 21                 | 3.5              | 37                | 10.6            | 30                 | 12.2             | 13                | 8.3             | 18                 | 16.1             | 29                | 36.7            | 27                 | 8.3              |

DEC Latitude=12.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 24         | 20         | 0                 | 0.0             | 13                 | 29.9             | 12                | 61.9            | 10                 | 7.7              | 5                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 402         | 38           | 25         | 20         | 0                 | 0.0             | 15                 | 14.5             | 15                | 64.5            | 13                 | 20.6             | 11                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4993        | 213          | 16         | 8          | 5                 | 0.1             | 7                  | 0.6              | 17                | 83.7            | 10                 | 13.7             | 4                 | 1.2             | 6                  | 0.3              | 3                 | 0.1             | 0                  | 0.0              |
| 700         | 10349       | 467          | 9          | -6         | 8                 | 5.8             | 10                 | 21.2             | 12                | 47.5            | 10                 | 12.9             | 5                 | 2.7             | 7                  | 2.5              | 6                 | 2.7             | 8                  | 3.5              |
| 500         | 19261       | 972          | -6         | -24        | 10                | 10.6            | 12                 | 16.2             | 15                | 30.4            | 13                 | 13.8             | 10                | 5.6             | 10                 | 5.1              | 12                | 7.5             | 12                 | 9.8              |
| 400         | 24882       | 1308         | -17        | -34        | 16                | 14.6            | 15                 | 14.1             | 13                | 15.9            | 12                 | 11.2             | 10                | 5.9             | 12                 | 10.8             | 17                | 14.8            | 17                 | 11.7             |
| 300         | 31766       | 1701         | -33        | -48        | 19                | 14.3            | 15                 | 7.4              | 11                | 7.7             | 10                 | 5.1              | 11                | 7.0             | 17                 | 11.7             | 21                | 25.4            | 22                 | 20.4             |
| 250         | 35889       | 1890         | -43        | .          | 24                | 10.1            | 17                 | 7.2              | 14                | 3.0             | 10                 | 5.8              | 15                | 6.9             | 21                 | 16.2             | 26                | 25.9            | 26                 | 24.3             |
| 200         | 40720       | 2058         | -55        | .          | 24                | 9.0             | 15                 | 4.3              | 13                | 2.5             | 11                 | 2.9              | 15                | 6.6             | 23                 | 17.2             | 29                | 31.4            | 30                 | 25.4             |
| 150         | 46600       | 1953         | -68        | .          | 19                | 9.5             | 14                 | 4.5              | 12                | 3.3             | 11                 | 1.9              | 15                | 4.1             | 18                 | 12.4             | 29                | 32.5            | 27                 | 31.2             |
| 100         | 54369       | 1286         | -77        | .          | 13                | 11.4            | 11                 | 7.5              | 11                | 8.0             | 10                 | 6.4              | 10                | 6.1             | 17                 | 15.4             | 20                | 22.9            | 18                 | 21.7             |
| 70          | 61073       | 569          | -75        | .          | 10                | 6.1             | 10                 | 10.8             | 13                | 17.4            | 11                 | 10.6             | 10                | 10.4            | 13                 | 13.5             | 15                | 18.8            | 12                 | 11.6             |
| 50          | 67554       | 47           | -66        | .          | 10                | 3.2             | 12                 | 9.0              | 15                | 28.3            | 12                 | 18.0             | 12                | 8.5             | 12                 | 9.8              | 17                | 15.8            | 10                 | 5.9              |
| 30          | 77974       | -270         | -56        | .          | 11                | 2.9             | 15                 | 6.7              | 22                | 39.8            | 17                 | 16.6             | 9                 | 6.1             | 17                 | 9.1              | 18                | 12.0            | 16                 | 6.1              |
| 20          | 86629       | -252         | -51        | .          | 9                 | 2.0             | 5                  | 0.7              | 14                | 6.0             | 13                 | 5.7              | 8                 | 4.5             | 10                 | 9.6              | 16                | 16.5            | 11                 | 4.3              |
| 10          | 101502      | -383         | -42        | .          | 19                | 4.1             | 11                 | 1.6              | 29                | 12.2            | 27                 | 11.6             | 16                | 9.0             | 21                 | 19.3             | 31                | 33.2            | 22                 | 8.7              |

DEC Latitude=12.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 21         | 12                | 0.3             | 13                 | 37.4             | 12                | 62.2            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 398         | 34           | 24         | 20         | 4                 | 0.3             | 15                 | 28.8             | 15                | 69.8            | 10                 | 0.8              | 5                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4999        | 219          | 16         | 6          | 8                 | 0.1             | 15                 | 16.7             | 16                | 72.7            | 9                  | 8.5              | 7                 | 1.2             | 3                  | 0.1              | 3                 | 0.3             | 0                  | 0.0              |
| 700         | 10347       | 465          | 9          | -7         | 8                 | 7.0             | 10                 | 23.3             | 13                | 47.4            | 10                 | 9.1              | 6                 | 2.4             | 6                  | 2.2              | 6                 | 3.0             | 6                  | 4.5              |
| 500         | 19257       | 968          | -5         | -24        | 11                | 8.3             | 13                 | 16.9             | 16                | 30.3            | 13                 | 14.3             | 9                 | 5.8             | 11                 | 4.9              | 11                | 8.3             | 11                 | 10.4             |
| 400         | 24879       | 1305         | -17        | -33        | 17                | 13.2            | 15                 | 17.4             | 14                | 15.1            | 13                 | 8.8              | 9                 | 7.4             | 14                 | 9.3              | 17                | 16.4            | 15                 | 11.4             |
| 300         | 31767       | 1702         | -33        | -48        | 18                | 13.0            | 12                 | 6.4              | 11                | 8.2             | 11                 | 5.9              | 10                | 7.2             | 19                 | 10.9             | 22                | 25.6            | 20                 | 21.7             |
| 250         | 35886       | 1887         | -43        | .          | 26                | 8.3             | 11                 | 3.7              | 12                | 5.8             | 11                 | 5.6              | 15                | 9.8             | 21                 | 16.4             | 26                | 26.7            | 26                 | 23.2             |
| 200         | 40716       | 2054         | -54        | .          | 26                | 8.2             | 13                 | 3.0              | 15                | 2.4             | 16                 | 4.8              | 18                | 7.0             | 21                 | 19.9             | 30                | 32.2            | 30                 | 21.9             |
| 150         | 46597       | 1950         | -68        | .          | 20                | 7.5             | 10                 | 3.3              | 15                | 3.3             | 13                 | 3.0              | 17                | 7.5             | 19                 | 12.5             | 26                | 34.5            | 26                 | 27.7             |
| 100         | 54367       | 1284         | -77        | .          | 12                | 9.5             | 11                 | 9.3              | 12                | 7.2             | 11                 | 7.2              | 11                | 4.9             | 17                 | 16.4             | 19                | 24.8            | 17                 | 19.9             |
| 70          | 61076       | 572          | -75        | .          | 10                | 6.4             | 12                 | 8.7              | 14                | 17.4            | 12                 | 13.2             | 11                | 12.9            | 13                 | 16.7             | 14                | 15.1            | 13                 | 9.0              |
| 50          | 67559       | 52           | -66        | .          | 9                 | 3.3             | 11                 | 8.3              | 16                | 27.0            | 14                 | 20.1             | 12                | 10.1            | 13                 | 11.1             | 17                | 14.6            | 11                 | 4.8              |
| 30          | 77979       | -265         | -56        | .          | 12                | 3.0             | 13                 | 5.3              | 23                | 38.8            | 17                 | 17.4             | 10                | 7.0             | 17                 | 10.6             | 21                | 13.2            | 14                 | 4.3              |
| 20          | 86633       | -248         | -51        | .          | 9                 | 2.6             | 6                  | 0.5              | 11                | 5.5             | 10                 | 5.7              | 8                 | 4.7             | 11                 | 8.8              | 16                | 18.8            | 9                  | 2.5              |
| 10          | 101503      | -382         | -42        | .          | 18                | 5.4             | 12                 | 1.2              | 22                | 11.2            | 20                 | 11.6             | 17                | 9.6             | 22                 | 17.7             | 32                | 37.7            | 17                 | 5.1              |

DEC Latitude=12.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 22  | 8     | 4.1  | 11    | 54.5 | 5     | 1.6  | 0     | 0.0  |
| 1000 | 399    | 35   | 24  | 20  | 9     | 2.5  | 13    | 53.2 | 8     | 0.9  | 0     | 0.0  |
| 850  | 5001   | 221  | 16  | 5   | 7     | 0.9  | 15    | 58.0 | 0     | 0.0  | 0     | 0.0  |
| 700  | 10343  | 461  | 9   | -8  | 8     | 8.5  | 11    | 23.5 | 8     | 9.1  | 6     | 2.5  |
| 500  | 19254  | 965  | -5  | -24 | 13    | 10.1 | 17    | 27.5 | 10    | 13.7 | 11    | 10.3 |
| 400  | 24878  | 1304 | -17 | -34 | 17    | 15.3 | 14    | 14.8 | 11    | 7.5  | 13    | 7.7  |
| 300  | 31767  | 1702 | -33 | -48 | 18    | 10.4 | 13    | 6.4  | 11    | 7.7  | 18    | 13.0 |
| 250  | 35886  | 1887 | -43 | .   | 23    | 8.3  | 12    | 3.2  | 16    | 11.7 | 21    | 26.1 |
| 200  | 40718  | 2056 | -54 | .   | 26    | 7.5  | 17    | 1.7  | 16    | 11.7 | 24    | 22.0 |
| 150  | 46601  | 1954 | -68 | .   | 17    | 6.6  | 11    | 2.7  | 14    | 5.8  | 27    | 28.3 |
| 100  | 54368  | 1285 | -77 | .   | 14    | 9.5  | 11    | 9.6  | 18    | 14.6 | 29    | 32.2 |
| 70   | 61081  | 577  | -75 | .   | 10    | 6.2  | 12    | 8.8  | 11    | 7.4  | 27    | 34.8 |
| 50   | 67571  | 64   | -65 | .   | 11    | 3.0  | 15    | 15.4 | 12    | 14.9 | 14    | 14.3 |
| 30   | 77989  | -255 | -56 | .   | 11    | 3.3  | 12    | 6.2  | 14    | 11.7 | 17    | 12.5 |
| 20   | 86643  | -238 | -51 | .   | 11    | 1.8  | 9     | 4.9  | 16    | 14.5 | 22    | 14.8 |
| 10   | 101512 | -373 | -42 | .   | 21    | 3.8  | 18    | 9.9  | 7     | 5.1  | 17    | 17.3 |
|      |        |      |     |     |       |      |       |      | 15    | 10.3 | 35    | 34.8 |

DEC Latitude=12.50 Longitude= 52.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 22  | 14    | 7.4  | 10    | 16.4 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 396    | 32   | 25  | 20  | 16    | 5.4  | 13    | 19.0 | 6     | 0.4  | 0     | 0.0  |
| 850  | 4996   | 216  | 16  | 5   | 12    | 1.2  | 15    | 47.0 | 10    | 5.8  | 2     | 0.1  |
| 700  | 10339  | 457  | 9   | -8  | 9     | 7.0  | 15    | 42.7 | 11    | 6.1  | 6     | 1.9  |
| 500  | 19255  | 966  | -5  | -24 | 14    | 11.7 | 17    | 29.0 | 11    | 9.3  | 12    | 8.8  |
| 400  | 24876  | 1302 | -17 | -34 | 17    | 17.7 | 15    | 13.0 | 12    | 7.2  | 17    | 15.4 |
| 300  | 31761  | 1696 | -33 | -48 | 19    | 10.8 | 12    | 5.8  | 12    | 6.6  | 22    | 26.9 |
| 250  | 35882  | 1883 | -42 | .   | 20    | 8.3  | 13    | 2.5  | 16    | 12.7 | 27    | 31.7 |
| 200  | 40716  | 2054 | -54 | .   | 23    | 5.6  | 12    | 1.1  | 19    | 11.7 | 30    | 33.7 |
| 150  | 46597  | 1950 | -68 | .   | 16    | 6.4  | 10    | 1.7  | 20    | 11.6 | 26    | 38.8 |
| 100  | 54361  | 1278 | -77 | .   | 13    | 10.6 | 11    | 5.6  | 16    | 7.2  | 19    | 29.6 |
| 70   | 61078  | 574  | -75 | .   | 10    | 5.9  | 14    | 16.6 | 13    | 14.9 | 13    | 15.9 |
| 50   | 67573  | 66   | -65 | .   | 10    | 3.5  | 16    | 29.6 | 15    | 10.6 | 17    | 12.7 |
| 30   | 77988  | -256 | -56 | .   | 10    | 2.2  | 24    | 41.7 | 16    | 11.9 | 18    | 11.4 |
| 20   | 86639  | -242 | -51 | .   | 7     | 1.7  | 8     | 5.4  | 5     | 3.5  | 11    | 10.5 |
| 10   | 101496 | -389 | -42 | .   | 15    | 3.5  | 16    | 10.9 | 20    | 9.9  | 23    | 21.2 |

# **UPPER AIR STATISTICAL DATA**

## **CENTRAL SOMALIA**

**(0.0° N--7.5° N, 45.0° E--50.0° E)**

JAN Latitude= 0.00 Longitude= 45.00

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC  | .           | .            | 26         | 24         | 0                 | 0.0             | 14                 | 78.3             | 12                | 21.2            | 5                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000 | 293         | -71          | 26         | 22         | 13                | 0.1             | 17                 | 77.9             | 15                | 21.7            | 6                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850  | 4928        | 148          | 19         | 9          | 14                | 4.1             | 17                 | 58.0             | 16                | 36.4            | 5                  | 0.8              | 7                 | 0.3             | 8                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 700  | 10306       | 424          | 10         | -1         | 9                 | 15.3            | 9                  | 22.4             | 9                 | 23.3            | 8                  | 16.9             | 6                 | 5.4             | 6                  | 4.1              | 5                 | 5.3             | 7                  | 5.4              |
| 500  | 19215       | 926          | -6         | -16        | 9                 | 5.1             | 13                 | 21.1             | 15                | 47.0            | 10                 | 12.0             | 7                 | 4.5             | 9                  | 4.0              | 8                 | 3.3             | 7                  | 2.0              |
| 400  | 24848       | 1274         | -16        | -29        | 11                | 4.5             | 16                 | 24.0             | 18                | 45.3            | 12                 | 9.8              | 7                 | 4.3             | 9                  | 4.1              | 9                 | 3.7             | 9                  | 3.8              |
| 300  | 31756       | 1691         | -32        | -44        | 11                | 9.8             | 16                 | 21.7             | 19                | 38.2            | 17                 | 10.9             | 10                | 3.3             | 10                 | 4.3              | 12                | 5.9             | 13                 | 4.8              |
| 250  | 35892       | 1893         | -42        | .          | 12                | 9.8             | 17                 | 14.8             | 23                | 36.1            | 23                 | 15.3             | 12                | 4.3             | 10                 | 4.3              | 13                | 6.9             | 14                 | 7.5              |
| 200  | 40737       | 2075         | -54        | .          | 14                | 9.9             | 18                 | 11.2             | 26                | 27.5            | 26                 | 22.7             | 10                | 4.1             | 11                 | 4.8              | 17                | 9.8             | 17                 | 9.1              |
| 150  | 46626       | 1979         | -68        | .          | 19                | 10.8            | 15                 | 10.9             | 28                | 27.2            | 23                 | 16.4             | 13                | 4.8             | 12                 | 5.4              | 18                | 12.0            | 20                 | 12.0             |
| 100  | 54386       | 1303         | -77        | .          | 13                | 7.9             | 13                 | 12.2             | 18                | 27.4            | 13                 | 16.6             | 9                 | 6.6             | 12                 | 6.1              | 18                | 12.2            | 15                 | 10.3             |
| 70   | 61071       | 567          | -76        | .          | 12                | 7.8             | 12                 | 13.7             | 15                | 17.3            | 12                 | 13.7             | 12                | 8.7             | 17                 | 10.7             | 15                | 16.4            | 15                 | 10.5             |
| 50   | 67536       | 29           | -66        | .          | 17                | 5.1             | 19                 | 9.5              | 30                | 21.4            | 16                 | 11.9             | 13                | 5.9             | 18                 | 11.6             | 25                | 24.6            | 25                 | 9.6              |
| 30   | 77756       | -488         | -58        | .          | 17                | 3.7             | 32                 | 10.8             | 44                | 38.5            | 16                 | 4.8              | 10                | 3.8             | 19                 | 10.1             | 29                | 18.5            | 50                 | 9.5              |
| 20   | 86333       | -548         | -53        | .          | 10                | 0.2             | 11                 | 0.7              | 29                | 34.6            | 7                  | 2.0              | 6                 | 0.5             | 9                  | 0.5              | 31                | 4.3             | 49                 | 6.4              |
| 10   | 101325      | -560         | -44        | .          | 21                | 0.6             | 22                 | 1.6              | 59                | 69.3            | 15                 | 4.1              | 12                | 1.2             | 18                 | 1.2              | 62                | 8.7             | 99                 | 12.9             |

JAN Latitude= 0.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 24  | 11    | 7.0  | 12    | 89.3 | 8     | 3.5  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 301    | -63  | 25  | 22  | 14    | 4.8  | 16    | 91.2 | 13    | 3.8  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4929   | 149  | 18  | 11  | 7     | 4.3  | 15    | 46.2 | 14    | 44.6 | 6     | 1.9  | 6     | 1.1  | 7     | 0.3  | 4     | 0.4  | 4     | 0.8  |
| 700  | 10301  | 419  | 10  | -1  | 7     | 10.1 | 8     | 14.8 | 9     | 20.3 | 8     | 16.9 | 9     | 11.6 | 8     | 11.2 | 8     | 7.9  | 5     | 5.8  |
| 500  | 19214  | 925  | -6  | -15 | 9     | 5.8  | 13    | 21.6 | 15    | 44.1 | 10    | 12.0 | 8     | 4.1  | 9     | 5.6  | 8     | 3.8  | 7     | 2.2  |
| 400  | 24846  | 1272 | -16 | -28 | 10    | 4.9  | 17    | 25.1 | 18    | 42.4 | 12    | 9.5  | 7     | 4.6  | 9     | 5.1  | 11    | 5.6  | 10    | 2.2  |
| 300  | 31757  | 1692 | -32 | -43 | 12    | 7.7  | 17    | 22.7 | 19    | 36.4 | 15    | 11.1 | 11    | 3.5  | 9     | 7.0  | 13    | 6.4  | 12    | 4.8  |
| 250  | 35893  | 1894 | -42 | .   | 13    | 9.9  | 17    | 14.0 | 22    | 34.8 | 23    | 16.1 | 12    | 4.6  | 11    | 6.2  | 17    | 6.7  | 14    | 6.7  |
| 200  | 40738  | 2076 | -54 | .   | 14    | 8.2  | 18    | 10.6 | 26    | 30.3 | 26    | 18.3 | 12    | 5.4  | 14    | 5.1  | 18    | 12.9 | 15    | 8.7  |
| 150  | 46625  | 1978 | -68 | .   | 20    | 10.1 | 16    | 9.8  | 30    | 28.8 | 24    | 13.7 | 12    | 5.6  | 16    | 4.8  | 20    | 15.1 | 18    | 11.4 |
| 100  | 54381  | 1298 | -77 | .   | 12    | 7.2  | 14    | 13.5 | 19    | 27.5 | 15    | 13.8 | 11    | 6.7  | 11    | 7.0  | 18    | 13.5 | 15    | 10.1 |
| 70   | 61068  | 564  | -75 | .   | 14    | 8.9  | 12    | 13.4 | 15    | 18.4 | 13    | 13.4 | 11    | 6.4  | 16    | 12.5 | 15    | 15.2 | 14    | 11.2 |
| 50   | 67537  | 30   | -66 | .   | 16    | 6.7  | 20    | 9.5  | 29    | 22.9 | 15    | 10.4 | 12    | 5.3  | 16    | 11.4 | 26    | 23.5 | 25    | 9.5  |
| 30   | 77537  | -485 | -58 | .   | 18    | 3.8  | 31    | 13.2 | 43    | 38.5 | 11    | 4.8  | 11    | 4.8  | 17    | 7.7  | 29    | 18.0 | 52    | 8.8  |
| 20   | 86336  | -545 | -53 | .   | 5     | 0.2  | 10    | 0.7  | 28    | 34.6 | 8     | 2.0  | 6     | 0.9  | 10    | 0.7  | 32    | 4.1  | 53    | 6.0  |
| 10   | 101324 | -561 | -44 | .   | 10    | 0.6  | 21    | 1.6  | 57    | 69.3 | 16    | 4.1  | 13    | 1.9  | 20    | 1.6  | 64    | 8.3  | 106   | 12.2 |

JAN Latitude= 0.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 26         | 23         | 10                | 20.6            | 10                 | 77.0             | 6                 | 2.2             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 304         | -60          | 25         | 22         | 13                | 15.8            | 13                 | 75.8             | 13                | 8.2             | 1                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4930        | 150          | 17         | 11         | 7                 | 5.6             | 13                 | 39.8             | 13                | 42.2            | 6                  | 4.0              | 5                 | 1.1             | 5                  | 2.4              | 4                 | 1.4             | 6                  | 2.7              |
| 700         | 10299       | 417          | 10         | -1         | 6                 | 7.7             | 7                  | 10.6             | 10                | 19.3            | 9                  | 17.7             | 9                 | 14.8            | 9                  | 13.5             | 9                 | 9.1             | 6                  | 5.8              |
| 500         | 19213       | 924          | -6         | -15        | 8                 | 6.6             | 13                 | 22.9             | 15                | 40.4            | 10                 | 11.1             | 8                 | 4.3             | 10                 | 5.1              | 7                 | 5.6             | 8                  | 3.5              |
| 400         | 24845       | 1271         | -16        | -28        | 9                 | 4.9             | 18                 | 25.9             | 17                | 41.2            | 11                 | 9.5              | 6                 | 3.2             | 9                  | 7.2              | 12                | 4.5             | 9                  | 3.0              |
| 300         | 31757       | 1692         | -32        | -42        | 12                | 7.5             | 17                 | 20.6             | 19                | 37.9            | 13                 | 10.8             | 12                | 4.5             | 11                 | 6.6              | 14                | 6.9             | 10                 | 4.6              |
| 250         | 35896       | 1897         | -42        | .          | 13                | 7.5             | 17                 | 13.5             | 24                | 34.9            | 20                 | 15.1             | 13                | 6.4             | 12                 | 6.4              | 15                | 8.7             | 14                 | 6.9              |
| 200         | 40742       | 2080         | -54        | .          | 15                | 6.2             | 17                 | 9.1              | 26                | 32.2            | 26                 | 15.3             | 14                | 6.6             | 14                 | 9.9              | 19                | 11.4            | 14                 | 8.7              |
| 150         | 46627       | 1980         | -68        | .          | 17                | 8.0             | 16                 | 10.9             | 31                | 29.9            | 24                 | 12.4             | 15                | 5.3             | 17                 | 6.9              | 21                | 15.9            | 16                 | 10.3             |
| 100         | 54379       | 1296         | -77        | .          | 12                | 7.9             | 15                 | 12.5             | 20                | 28.5            | 15                 | 13.0             | 10                | 7.0             | 13                 | 7.4              | 17                | 15.6            | 14                 | 7.0              |
| 70          | 61069       | 565          | -75        | .          | 12                | 8.4             | 13                 | 12.0             | 15                | 20.9            | 12                 | 11.1             | 9                 | 6.6             | 14                 | 11.4             | 16                | 18.6            | 12                 | 10.5             |
| 50          | 67540       | 33           | -66        | .          | 15                | 6.9             | 20                 | 10.6             | 27                | 24.3            | 14                 | 9.1              | 10                | 4.0             | 14                 | 9.5              | 25                | 25.6            | 23                 | 9.5              |
| 30          | 77764       | -480         | -58        | .          | 14                | 3.7             | 29                 | 14.5             | 42                | 39.5            | 13                 | 4.5              | 9                 | 3.8             | 15                 | 6.1              | 30                | 18.2            | 49                 | 8.5              |
| 20          | 86340       | -541         | -53        | .          | 7                 | 0.1             | 13                 | 1.0              | 27                | 34.7            | 10                 | 1.8              | 5                 | 0.5             | 7                  | 0.7              | 34                | 5.1             | 51                 | 5.2              |
| 10          | 101324      | -561         | -44        | .          | 15                | 0.3             | 25                 | 2.2              | 55                | 69.6            | 21                 | 3.8              | 11                | 1.2             | 15                 | 1.6              | 68                | 10.3            | 103                | 10.6             |

JAN Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 29         | 19         | 0                 | 0.0             | 12                 | 41.2             | 12                | 57.7            | 8                  | 0.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 293         | -71          | 27         | 19         | 0                 | 0.0             | 15                 | 42.9             | 15                | 56.6            | 11                 | 0.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4932        | 152          | 18         | 10         | 0                 | 0.0             | 20                 | 65.6             | 18                | 33.8            | 7                  | 0.3              | 4                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10307       | 425          | 10         | -1         | 9                 | 8.2             | 12                 | 40.3             | 12                | 35.3            | 9                  | 10.8             | 4                 | 2.2             | 4                  | 0.9              | 4                 | 0.1             | 6                  | 1.4              |
| 500         | 19215       | 926          | -6         | -17        | 9                 | 4.1             | 14                 | 21.1             | 17                | 54.1            | 11                 | 8.8              | 7                 | 2.9             | 8                  | 3.2              | 10                | 3.5             | 6                  | 1.2              |
| 400         | 24847       | 1273         | -16        | -30        | 10                | 5.8             | 16                 | 23.2             | 20                | 44.8            | 14                 | 9.9              | 10                | 1.9             | 11                 | 4.3              | 12                | 4.0             | 10                 | 4.8              |
| 300         | 31755       | 1690         | -32        | -45        | 12                | 11.4            | 16                 | 19.8             | 18                | 34.6            | 15                 | 11.2             | 12                | 3.3             | 11                 | 3.7              | 14                | 7.7             | 15                 | 7.0              |
| 250         | 35893       | 1894         | -42        | .          | 14                | 10.3            | 17                 | 13.8             | 21                | 26.9            | 23                 | 17.5             | 11                | 4.1             | 13                 | 5.6              | 15                | 9.6             | 18                 | 11.6             |
| 200         | 40739       | 2077         | -54        | .          | 15                | 9.8             | 16                 | 9.9              | 24                | 20.9            | 26                 | 19.9             | 15                | 6.1             | 11                 | 5.6              | 17                | 12.9            | 19                 | 14.3             |
| 150         | 46627       | 1980         | -68        | .          | 17                | 10.6            | 16                 | 9.3              | 27                | 21.1            | 24                 | 15.1             | 12                | 8.7             | 12                 | 5.6              | 18                | 12.7            | 22                 | 16.2             |
| 100         | 54385       | 1302         | -77        | .          | 12                | 9.0             | 12                 | 10.3             | 17                | 26.1            | 15                 | 15.3             | 10                | 6.7             | 12                 | 7.7              | 15                | 13.3            | 17                 | 10.3             |
| 70          | 61072       | 568          | -76        | .          | 13                | 7.3             | 12                 | 10.0             | 16                | 18.4            | 13                 | 10.3             | 12                | 10.0            | 16                 | 15.4             | 16                | 15.4            | 15                 | 12.7             |
| 50          | 67537       | 30           | -66        | .          | 15                | 4.8             | 19                 | 11.2             | 22                | 19.9            | 16                 | 9.3              | 12                | 6.1             | 19                 | 13.3             | 27                | 24.8            | 28                 | 9.6              |
| 30          | 77770       | -474         | -58        | .          | 17                | 4.0             | 30                 | 11.7             | 34                | 35.3            | 15                 | 6.9              | 13                | 3.3             | 20                 | 11.6             | 30                | 17.5            | 50                 | 9.1              |
| 20          | 86347       | -534         | -53        | .          | 5                 | 0.7             | 19                 | 3.0              | 22                | 27.5            | 8                  | 3.0              | 6                 | 1.2             | 9                  | 2.8              | 28                | 4.3             | 45                 | 6.7              |
| 10          | 101333      | -552         | -44        | .          | 10                | 1.6             | 39                 | 6.1              | 43                | 55.1            | 17                 | 6.1              | 13                | 2.5             | 18                 | 5.8              | 55                | 8.7             | 91                 | 13.5             |

JAN Latitude= 2.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE    | NE   | E   | E    | SE    | SE   | S   | S   | SW    | SW   | W   | W    | NW    | NW   |
|------|--------|------|-----|-----|-----|------|-------|------|-----|------|-------|------|-----|-----|-------|------|-----|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0   | 0.0  | 14    | 91.6 | 11  | 8.3  | 0     | 0.0  | 0   | 0.0 | 0     | 0.0  | 0   | 0.0  | 0     | 0.0  |
| 1000 | 310    | -54  | 25  | 21  | 13  | 0.8  | 17    | 90.9 | 15  | 8.2  | 0     | 0.0  | 0   | 0.0 | 0     | 0.0  | 0   | 0.0  | 0     | 0.0  |
| 850  | 4931   | 151  | 17  | 10  | 15  | 0.4  | 19    | 54.9 | 19  | 44.0 | 4     | 0.1  | 5   | 0.1 | 6     | 0.1  | 0   | 0.0  | 0     | 0.0  |
| 700  | 10301  | 419  | 10  | -2  | 8   | 5.8  | 11    | 25.9 | 11  | 36.4 | 10    | 16.6 | 7   | 5.4 | 6     | 3.7  | 5   | 1.6  | 5     | 3.2  |
| 500  | 19215  | 926  | -6  | -17 | 8   | 3.8  | 14    | 21.6 | 17  | 51.6 | 11    | 8.8  | 6   | 3.7 | 7     | 3.2  | 10  | 4.5  | 7     | 1.9  |
| 400  | 24848  | 1274 | -16 | -29 | 9   | 5.1  | 17    | 22.4 | 20  | 47.4 | 12    | 8.2  | 10  | 3.2 | 12    | 3.0  | 11  | 5.8  | 9     | 4.6  |
| 300  | 31759  | 1694 | -32 | -44 | 12  | 10.9 | 17    | 19.5 | 19  | 33.3 | 15    | 11.2 | 12  | 4.0 | 12    | 4.5  | 15  | 9.6  | 12    | 5.9  |
| 250  | 35897  | 1898 | -42 | .   | 15  | 8.5  | 19    | 13.0 | 22  | 26.7 | 22    | 16.2 | 14  | 5.3 | 12    | 7.7  | 17  | 11.2 | 14    | 10.6 |
| 200  | 40741  | 2079 | -54 | .   | 17  | 7.4  | 18    | 9.5  | 24  | 24.1 | 26    | 18.2 | 16  | 5.3 | 13    | 6.9  | 19  | 15.3 | 17    | 12.7 |
| 150  | 46626  | 1979 | -68 | .   | 18  | 10.9 | 18    | 8.8  | 27  | 22.7 | 23    | 14.0 | 13  | 7.9 | 12    | 5.9  | 20  | 15.8 | 20    | 13.3 |
| 100  | 54386  | 1303 | -77 | .   | 12  | 8.7  | 13    | 12.0 | 18  | 26.4 | 15    | 13.8 | 12  | 7.0 | 13    | 7.0  | 16  | 13.3 | 15    | 10.4 |
| 70   | 61074  | 570  | -76 | .   | 13  | 8.9  | 13    | 11.6 | 15  | 21.1 | 13    | 9.3  | 12  | 6.8 | 17    | 14.1 | 16  | 16.6 | 14    | 10.3 |
| 50   | 67540  | 33   | -66 | .   | 16  | 5.1  | 20    | 12.9 | 21  | 17.7 | 15    | 9.8  | 11  | 6.4 | 19    | 12.7 | 26  | 25.9 | 27    | 9.1  |
| 30   | 77762  | -482 | -58 | .   | 14  | 4.5  | 33    | 14.5 | 32  | 32.0 | 21    | 7.2  | 11  | 5.1 | 21    | 9.0  | 29  | 19.1 | 50    | 8.2  |
| 20   | 86339  | -542 | -53 | .   | 5   | 0.4  | 21    | 4.7  | 19  | 25.9 | 12    | 3.8  | 7   | 1.7 | 9     | 2.5  | 30  | 3.6  | 45    | 6.7  |
| 10   | 101329 | -556 | -44 | .   | 11  | 0.9  | 42    | 9.6  | 38  | 51.9 | 25    | 7.7  | 13  | 3.5 | 19    | 5.1  | 61  | 7.4  | 90    | 13.5 |

JAN Latitude= 2.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 14    | 11.6 | 12    | 86.7 | 9     | 1.6  | 0     | 0.0  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 313    | -51  | 24  | 22  | 16    | 9.6  | 16    | 85.1 | 15    | 5.1  | 0     | 0.0  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4931   | 151  | 17  | 11  | 8     | 1.9  | 17    | 42.7 | 17    | 53.5 | 10    | 1.1  | 3     | 0.4 | 5     | 0.1  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10297  | 415  | 10  | -1  | 6     | 6.6  | 11    | 17.7 | 11    | 35.9 | 10    | 19.6 | 7     | 7.2 | 9     | 5.8  | 6     | 3.0  | 6     | 3.5  |
| 500  | 19215  | 926  | -6  | -16 | 9     | 4.1  | 14    | 21.6 | 17    | 50.1 | 11    | 9.0  | 7     | 3.8 | 7     | 4.5  | 9     | 4.1  | 8     | 2.0  |
| 400  | 24847  | 1273 | -16 | -28 | 9     | 4.9  | 18    | 21.4 | 19    | 47.0 | 12    | 7.4  | 7     | 4.3 | 9     | 6.4  | 12    | 4.3  | 9     | 3.7  |
| 300  | 31759  | 1694 | -32 | -43 | 11    | 11.2 | 17    | 18.8 | 20    | 33.7 | 14    | 10.8 | 14    | 4.3 | 13    | 7.4  | 14    | 8.3  | 12    | 4.9  |
| 250  | 35896  | 1897 | -42 | .   | 15    | 8.3  | 18    | 11.7 | 22    | 29.5 | 20    | 14.1 | 15    | 7.4 | 15    | 7.4  | 17    | 12.5 | 13    | 8.5  |
| 200  | 40741  | 2079 | -54 | .   | 16    | 7.4  | 18    | 9.3  | 24    | 28.3 | 25    | 13.2 | 17    | 5.9 | 17    | 9.5  | 20    | 15.3 | 16    | 10.3 |
| 150  | 46625  | 1978 | -68 | .   | 17    | 9.9  | 17    | 9.5  | 28    | 24.8 | 24    | 12.0 | 17    | 5.1 | 16    | 8.0  | 21    | 17.2 | 17    | 12.7 |
| 100  | 54381  | 1298 | -77 | .   | 12    | 8.5  | 14    | 12.0 | 19    | 26.7 | 18    | 13.0 | 12    | 8.5 | 15    | 7.4  | 16    | 14.8 | 14    | 8.2  |
| 70   | 61069  | 565  | -75 | .   | 14    | 8.4  | 12    | 14.5 | 15    | 22.7 | 12    | 8.2  | 10    | 4.8 | 15    | 13.7 | 16    | 19.3 | 12    | 7.5  |
| 50   | 67538  | 31   | -66 | .   | 15    | 4.8  | 20    | 13.0 | 21    | 21.2 | 11    | 7.2  | 9     | 4.9 | 17    | 12.0 | 25    | 25.9 | 23    | 10.1 |
| 30   | 77759  | -485 | -58 | .   | 13    | 4.5  | 31    | 16.4 | 33    | 32.7 | 16    | 6.1  | 9     | 4.0 | 18    | 7.5  | 28    | 20.1 | 47    | 8.0  |
| 20   | 86332  | -549 | -53 | .   | 5     | 0.7  | 22    | 4.5  | 17    | 25.7 | 13    | 5.1  | 7     | 1.5 | 9     | 1.8  | 28    | 3.8  | 43    | 6.2  |
| 10   | 101318 | -567 | -44 | .   | 11    | 1.6  | 44    | 9.0  | 35    | 51.6 | 26    | 10.3 | 15    | 3.2 | 19    | 3.8  | 57    | 7.7  | 86    | 12.5 |

JAN Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 16         | 0                 | 0.0             | 10                 | 13.5             | 10                | 85.8            | 9                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 312         | -52          | 28         | 18         | 0                 | 0.0             | 13                 | 14.6             | 13                | 82.4            | 9                  | 2.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4942        | 162          | 18         | 11         | 0                 | 0.0             | 18                 | 48.3             | 17                | 51.1            | 10                 | 0.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10313       | 431          | 9          | -0         | 10                | 5.3             | 14                 | 45.1             | 14                | 39.0            | 11                 | 8.7              | 6                 | 1.4             | 8                  | 0.1              | 0                 | 0.0             | 5                  | 0.1              |
| 500         | 19224       | 935          | -5         | -19        | 8                 | 4.6             | 14                 | 19.5             | 18                | 58.0            | 11                 | 8.2              | 11                | 1.7             | 8                  | 2.2              | 10                | 3.8             | 8                  | 1.4              |
| 400         | 24852       | 1278         | -16        | -31        | 13                | 6.9             | 16                 | 22.5             | 21                | 42.7            | 15                 | 9.9              | 11                | 2.4             | 11                 | 3.7              | 13                | 5.1             | 11                 | 6.1              |
| 300         | 31756       | 1691         | -32        | -46        | 14                | 13.8            | 16                 | 16.9             | 19                | 29.9            | 14                 | 10.8             | 9                 | 4.3             | 12                 | 5.3              | 16                | 9.0             | 16                 | 9.3              |
| 250         | 35895       | 1896         | -42        | .          | 16                | 10.3            | 17                 | 11.6             | 20                | 20.8            | 20                 | 16.4             | 16                | 6.2             | 15                 | 5.1              | 17                | 13.3            | 18                 | 15.4             |
| 200         | 40741       | 2079         | -54        | .          | 18                | 7.5             | 15                 | 8.7              | 21                | 15.1            | 25                 | 19.6             | 15                | 5.6             | 13                 | 7.9              | 19                | 16.7            | 20                 | 18.2             |
| 150         | 46630       | 1983         | -68        | .          | 16                | 10.8            | 15                 | 7.5              | 23                | 16.6            | 26                 | 15.1             | 12                | 8.2             | 14                 | 8.2              | 19                | 14.1            | 24                 | 19.1             |
| 100         | 54381       | 1298         | -77        | .          | 12                | 7.2             | 12                 | 10.1             | 17                | 23.3            | 17                 | 15.8             | 11                | 6.9             | 13                 | 7.9              | 15                | 15.9            | 21                 | 12.2             |
| 70          | 61069       | 565          | -76        | .          | 12                | 8.0             | 14                 | 10.7             | 16                | 22.5            | 13                 | 8.0              | 13                | 8.0             | 19                 | 15.5             | 17                | 15.9            | 16                 | 10.7             |
| 50          | 67542       | 35           | -66        | .          | 15                | 5.9             | 18                 | 10.9             | 19                | 19.6            | 12                 | 6.7              | 12                | 5.4             | 20                 | 14.6             | 24                | 25.3            | 26                 | 10.6             |
| 30          | 77801       | -443         | -58        | .          | 18                | 4.1             | 25                 | 13.7             | 29                | 28.7            | 17                 | 7.4              | 10                | 4.9             | 20                 | 12.2             | 28                | 19.1            | 43                 | 9.5              |
| 20          | 86382       | -499         | -53        | .          | 13                | 1.5             | 16                 | 5.4              | 13                | 14.5            | 7                  | 4.1              | 6                 | 3.0             | 11                 | 4.5              | 19                | 8.3             | 34                 | 8.0              |
| 10          | 101351      | -534         | -44        | .          | 25                | 3.2             | 33                 | 10.9             | 26                | 29.0            | 15                 | 8.3              | 12                | 6.1             | 22                 | 9.0              | 38                | 16.7            | 68                 | 16.1             |

JAN Latitude= 5.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 19         | 0                 | 0.0             | 12                 | 45.8             | 13                | 54.1            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 320         | -44          | 26         | 20         | 4                 | 0.3             | 16                 | 54.3             | 16                | 45.3            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4942        | 162          | 17         | 9          | 19                | 0.1             | 21                 | 59.9             | 19                | 39.5            | 10                 | 0.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10306       | 424          | 10         | -2         | 8                 | 3.8             | 12                 | 34.1             | 14                | 46.4            | 11                 | 12.5             | 7                 | 1.9             | 1                  | 0.1              | 0                 | 0.0             | 3                  | 0.6              |
| 500         | 19222       | 933          | -5         | -18        | 10                | 4.0             | 15                 | 19.6             | 18                | 55.6            | 12                 | 8.5              | 8                 | 3.3             | 9                  | 3.3              | 11                | 3.0             | 10                 | 1.9              |
| 400         | 24854       | 1280         | -16        | -31        | 10                | 7.0             | 18                 | 23.2             | 21                | 42.5            | 14                 | 9.5              | 11                | 3.0             | 13                 | 3.7              | 13                | 5.3             | 12                 | 5.3              |
| 300         | 31762       | 1697         | -32        | -45        | 14                | 11.4            | 17                 | 17.5             | 19                | 29.5            | 13                 | 10.6             | 14                | 4.1             | 12                 | 6.2              | 17                | 10.3            | 13                 | 9.5              |
| 250         | 35897       | 1898         | -42        | .          | 17                | 8.5             | 19                 | 12.4             | 20                | 21.1            | 20                 | 15.6             | 14                | 6.9             | 15                 | 8.5              | 19                | 14.6            | 17                 | 11.7             |
| 200         | 40741       | 2079         | -54        | .          | 14                | 7.4             | 18                 | 8.2              | 22                | 16.4            | 23                 | 19.6             | 14                | 6.1             | 15                 | 8.2              | 21                | 17.4            | 20                 | 16.2             |
| 150         | 46626       | 1979         | -68        | .          | 18                | 10.3            | 18                 | 7.9              | 25                | 18.2            | 24                 | 14.3             | 15                | 7.0             | 14                 | 7.5              | 20                | 18.2            | 21                 | 16.1             |
| 100         | 54381       | 1298         | -77        | .          | 11                | 8.0             | 13                 | 10.4             | 19                | 21.2            | 18                 | 17.2             | 11                | 5.8             | 15                 | 9.5              | 17                | 15.8            | 18                 | 11.2             |
| 70          | 61071       | 567          | -75        | .          | 12                | 7.7             | 15                 | 11.2             | 17                | 22.4            | 11                 | 9.4              | 14                | 6.8             | 19                 | 14.3             | 17                | 17.9            | 13                 | 9.1              |
| 50          | 67539       | 32           | -66        | .          | 14                | 3.2             | 18                 | 12.7             | 19                | 19.0            | 13                 | 7.7              | 11                | 5.4             | 21                 | 15.1             | 23                | 25.3            | 24                 | 10.8             |
| 30          | 77781       | -463         | -58        | .          | 18                | 3.0             | 27                 | 15.6             | 30                | 28.5            | 16                 | 6.6              | 11                | 4.3             | 20                 | 12.2             | 27                | 21.4            | 46                 | 7.9              |
| 20          | 86358       | -523         | -53        | .          | 15                | 1.5             | 15                 | 5.5              | 13                | 15.7            | 8                  | 4.0              | 8                 | 1.7             | 11                 | 5.5              | 18                | 8.5             | 35                 | 6.7              |
| 10          | 101339      | -546         | -44        | .          | 31                | 3.2             | 31                 | 11.2             | 25                | 31.6            | 15                 | 8.0              | 16                | 3.5             | 22                 | 11.2             | 37                | 17.0            | 71                 | 13.5             |

JAN Latitude= 5.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S   | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 26  | 23  | 18  | 3.5  | 15  | 95.8 | 9   | 0.6  | 0   | 0.0  | 0   | 0.0 | 0   | 0.0  | 0   | 0.0  | 0   |
| 1000 | 330    | -34  | 24  | 21  | 18  | 3.2  | 18  | 92.7 | 14  | 4.0  | 0   | 0.0  | 0   | 0.0 | 0   | 0.0  | 0   | 0.0  | 0   |
| 850  | 4939   | 159  | 17  | 10  | 19  | 0.1  | 21  | 47.5 | 20  | 51.1 | 16  | 1.1  | 0   | 0.0 | 0   | 0.0  | 0   | 0.0  | 0   |
| 700  | 10302  | 420  | 10  | -2  | 8   | 3.3  | 12  | 21.9 | 14  | 51.7 | 11  | 17.4 | 6   | 2.7 | 4   | 1.1  | 5   | 0.3  | 5   |
| 500  | 19221  | 932  | -5  | -18 | 9   | 4.1  | 15  | 19.6 | 18  | 55.8 | 12  | 7.4  | 8   | 4.0 | 9   | 3.3  | 10  | 2.7  | 8   |
| 400  | 24854  | 1280 | -16 | -30 | 10  | 6.2  | 17  | 23.3 | 22  | 43.0 | 13  | 7.9  | 9   | 4.5 | 12  | 3.3  | 12  | 5.8  | 11  |
| 300  | 31765  | 1700 | -32 | -45 | 14  | 9.3  | 17  | 19.5 | 19  | 30.6 | 14  | 9.1  | 15  | 4.8 | 16  | 6.7  | 17  | 10.4 | 12  |
| 250  | 35900  | 1901 | -42 | .   | 17  | 7.2  | 18  | 13.2 | 21  | 22.4 | 18  | 13.7 | 17  | 8.0 | 18  | 8.0  | 19  | 15.4 | 16  |
| 200  | 40742  | 2080 | -54 | .   | 16  | 5.8  | 19  | 9.5  | 22  | 21.7 | 21  | 16.1 | 18  | 6.1 | 16  | 10.9 | 25  | 16.9 | 19  |
| 150  | 46626  | 1979 | -68 | .   | 16  | 9.1  | 19  | 9.0  | 24  | 20.6 | 24  | 13.2 | 17  | 5.9 | 17  | 8.5  | 22  | 19.0 | 19  |
| 100  | 54386  | 1303 | -77 | .   | 12  | 6.2  | 15  | 11.7 | 19  | 23.8 | 20  | 13.5 | 14  | 7.4 | 16  | 9.3  | 17  | 18.3 | 14  |
| 70   | 61075  | 571  | -75 | .   | 13  | 10.2 | 15  | 12.3 | 16  | 24.0 | 12  | 9.6  | 11  | 4.8 | 18  | 13.7 | 19  | 17.7 | 9   |
| 50   | 67542  | 35   | -66 | .   | 13  | 3.2  | 19  | 13.8 | 19  | 20.1 | 12  | 6.7  | 9   | 4.9 | 18  | 13.5 | 22  | 27.0 | 21  |
| 30   | 77767  | -477 | -58 | .   | 15  | 2.4  | 27  | 16.1 | 31  | 31.2 | 13  | 5.4  | 9   | 3.0 | 19  | 10.6 | 27  | 23.3 | 36  |
| 20   | 86339  | -542 | -53 | .   | 11  | 0.5  | 14  | 7.2  | 13  | 16.0 | 7   | 3.8  | 7   | 1.2 | 11  | 5.2  | 18  | 8.5  | 30  |
| 10   | 101332 | -553 | -44 | .   | 23  | 1.2  | 28  | 14.5 | 26  | 32.2 | 15  | 7.7  | 13  | 2.5 | 21  | 10.6 | 36  | 17.0 | 59  |

JAN Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S   | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 25  | 12  | 10  | 3.2  | 8   | 37.0 | 8   | 51.9 | 9   | 7.7  | 0   | 0.0 | 0   | 0.0  | 0   | 0.0  | 0   |
| 1000 | 351    | -13  | 27  | 17  | 9   | 5.6  | 10  | 27.9 | 10  | 52.2 | 10  | 12.7 | 5   | 0.4 | 0   | 0.0  | 4   | 0.3  | 5   |
| 850  | 4953   | 173  | 19  | 12  | 10  | 3.8  | 14  | 34.8 | 14  | 53.2 | 12  | 7.9  | 0   | 0.0 | 0   | 0.0  | 0   | 0.0  | 4   |
| 700  | 10321  | 439  | 9   | 1   | 9   | 9.3  | 12  | 36.7 | 14  | 38.8 | 13  | 11.2 | 8   | 1.7 | 5   | 0.4  | 4   | 0.1  | 4   |
| 500  | 19239  | 950  | -6  | -20 | 10  | 5.6  | 13  | 18.7 | 18  | 54.3 | 13  | 10.6 | 7   | 2.0 | 8   | 2.2  | 9   | 2.5  | 8   |
| 400  | 24861  | 1287 | -17 | -31 | 14  | 10.3 | 15  | 20.4 | 20  | 41.4 | 17  | 9.3  | 10  | 2.4 | 13  | 2.9  | 11  | 6.2  | 13  |
| 300  | 31754  | 1689 | -32 | -46 | 16  | 14.5 | 16  | 14.3 | 18  | 25.9 | 14  | 10.9 | 11  | 3.8 | 16  | 6.7  | 18  | 9.9  | 17  |
| 250  | 35896  | 1897 | -42 | .   | 15  | 10.9 | 15  | 11.1 | 17  | 15.9 | 17  | 13.5 | 15  | 8.7 | 16  | 9.1  | 21  | 12.5 | 21  |
| 200  | 40742  | 2080 | -54 | .   | 17  | 8.5  | 14  | 6.4  | 20  | 9.3  | 22  | 19.1 | 14  | 8.0 | 13  | 7.9  | 23  | 22.2 | 21  |
| 150  | 46633  | 1986 | -68 | .   | 16  | 8.0  | 14  | 6.7  | 21  | 11.1 | 24  | 16.6 | 12  | 7.2 | 14  | 8.7  | 21  | 19.0 | 24  |
| 100  | 54377  | 1294 | -77 | .   | 12  | 8.2  | 12  | 9.3  | 17  | 18.8 | 17  | 16.2 | 11  | 6.6 | 13  | 8.8  | 18  | 14.8 | 20  |
| 70   | 61066  | 562  | -75 | .   | 12  | 5.7  | 14  | 11.4 | 16  | 25.8 | 14  | 10.2 | 13  | 9.6 | 17  | 11.6 | 20  | 14.8 | 17  |
| 50   | 67547  | 40   | -66 | .   | 15  | 4.5  | 16  | 14.3 | 19  | 20.4 | 12  | 7.9  | 13  | 6.1 | 17  | 15.3 | 21  | 19.9 | 24  |
| 30   | 77820  | -424 | -58 | .   | 13  | 5.4  | 23  | 11.1 | 28  | 28.7 | 20  | 7.2  | 12  | 4.5 | 20  | 11.2 | 25  | 20.3 | 34  |
| 20   | 86404  | -477 | -53 | .   | 13  | 3.6  | 10  | 2.0  | 11  | 6.5  | 7   | 6.7  | 5   | 3.5 | 13  | 4.9  | 17  | 13.0 | 26  |
| 10   | 101372 | -513 | -45 | .   | 26  | 7.4  | 20  | 4.1  | 23  | 13.2 | 15  | 13.5 | 10  | 7.0 | 26  | 9.9  | 33  | 26.1 | 52  |

JAN Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 14         | 11                | 0.6             | 10                 | 42.5             | 10                | 54.5            | 10                 | 2.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 353         | -11          | 26         | 17         | 11                | 1.2             | 12                 | 31.6             | 13                | 62.9            | 10                 | 4.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4957        | 177          | 17         | 11         | 16                | 1.1             | 17                 | 44.6             | 16                | 51.1            | 13                 | 3.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10319       | 437          | 9          | -1         | 8                 | 4.5             | 13                 | 35.1             | 15                | 44.0            | 12                 | 13.3             | 9                 | 2.2             | 0                  | 0.0              | 2                 | 0.1             | 4                  | 0.4              |
| 500         | 19234       | 945          | -6         | -20        | 10                | 6.6             | 14                 | 18.7             | 19                | 51.4            | 12                 | 9.9              | 9                 | 3.3             | 8                  | 2.4              | 10                | 3.5             | 10                 | 3.2              |
| 400         | 24860       | 1286         | -16        | -31        | 13                | 9.9             | 17                 | 21.9             | 21                | 36.6            | 16                 | 9.9              | 10                | 3.9             | 13                 | 4.1              | 13                | 6.4             | 13                 | 6.9              |
| 300         | 31758       | 1693         | -32        | -46        | 15                | 13.0            | 17                 | 14.6             | 18                | 24.8            | 14                 | 9.9              | 12                | 5.9             | 15                 | 6.7              | 17                | 12.4            | 16                 | 12.0             |
| 250         | 35897       | 1898         | -42        | .          | 16                | 9.9             | 19                 | 11.9             | 17                | 14.5            | 17                 | 14.3             | 15                | 6.9             | 16                 | 10.6             | 19                | 15.4            | 20                 | 15.4             |
| 200         | 40741       | 2079         | -54        | .          | 15                | 7.0             | 17                 | 6.7              | 19                | 10.9            | 22                 | 19.1             | 15                | 9.3             | 14                 | 10.1             | 23                | 20.4            | 22                 | 15.8             |
| 150         | 46629       | 1982         | -68        | .          | 15                | 8.7             | 15                 | 6.1              | 22                | 15.1            | 23                 | 14.9             | 14                | 7.4             | 14                 | 8.2              | 22                | 20.9            | 26                 | 18.2             |
| 100         | 54381       | 1298         | -77        | .          | 11                | 6.7             | 12                 | 11.4             | 19                | 16.6            | 20                 | 15.4             | 11                | 7.5             | 15                 | 9.6              | 18                | 17.5            | 19                 | 14.3             |
| 70          | 61073       | 569          | -75        | .          | 12                | 5.5             | 15                 | 13.6             | 18                | 24.3            | 13                 | 12.5             | 13                | 8.0             | 20                 | 12.5             | 21                | 15.0            | 14                 | 7.7              |
| 50          | 67549       | 42           | -66        | .          | 12                | 4.5             | 18                 | 11.9             | 19                | 21.9            | 12                 | 9.5              | 13                | 5.8             | 20                 | 15.4             | 21                | 21.4            | 21                 | 9.0              |
| 30          | 77810       | -434         | -58        | .          | 23                | 2.9             | 23                 | 11.9             | 29                | 31.7            | 17                 | 6.7              | 11                | 4.6             | 19                 | 12.2             | 26                | 21.6            | 31                 | 7.9              |
| 20          | 86390       | -491         | -53        | .          | 18                | 3.3             | 10                 | 4.1              | 11                | 7.6             | 7                  | 6.7              | 6                 | 3.8             | 14                 | 5.1              | 16                | 13.1            | 25                 | 5.5              |
| 10          | 101366      | -519         | -45        | .          | 36                | 6.7             | 19                 | 8.3              | 22                | 15.4            | 14                 | 13.5             | 11                | 7.7             | 29                 | 10.3             | 33                | 26.4            | 51                 | 11.2             |

JAN Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 21         | 18                | 12.5            | 16                 | 82.9             | 12                | 4.5             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 356         | -8           | 24         | 20         | 17                | 6.1             | 16                 | 70.4             | 13                | 22.7            | 8                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4956        | 176          | 16         | 9          | 20                | 0.8             | 20                 | 58.8             | 18                | 35.9            | 16                 | 4.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10313       | 431          | 10         | -2         | 9                 | 3.0             | 12                 | 24.0             | 15                | 54.1            | 13                 | 16.4             | 10                | 1.4             | 3                  | 0.1              | 0                 | 0.0             | 4                  | 0.4              |
| 500         | 19232       | 943          | -5         | -20        | 10                | 5.9             | 16                 | 19.9             | 19                | 49.1            | 12                 | 10.8             | 10                | 4.5             | 11                 | 2.2              | 9                 | 3.7             | 10                 | 3.0              |
| 400         | 24861       | 1287         | -16        | -31        | 13                | 8.7             | 18                 | 21.2             | 22                | 36.9            | 14                 | 8.7              | 13                | 5.1             | 12                 | 4.8              | 13                | 7.4             | 11                 | 6.4              |
| 300         | 31765       | 1700         | -32        | -46        | 15                | 12.2            | 18                 | 15.9             | 19                | 23.3            | 15                 | 9.6              | 15                | 5.6             | 17                 | 8.7              | 17                | 13.5            | 16                 | 10.3             |
| 250         | 35901       | 1902         | -42        | .          | 18                | 7.9             | 19                 | 12.7             | 19                | 13.8            | 17                 | 13.7             | 17                | 8.3             | 18                 | 12.0             | 20                | 15.6            | 20                 | 15.4             |
| 200         | 40743       | 2081         | -54        | .          | 16                | 5.3             | 18                 | 8.3              | 20                | 14.8            | 19                 | 17.0             | 17                | 9.3             | 17                 | 9.3              | 25                | 20.1            | 24                 | 15.4             |
| 150         | 46630       | 1983         | -68        | .          | 17                | 6.4             | 17                 | 6.6              | 21                | 16.9            | 21                 | 16.6             | 16                | 6.7             | 16                 | 7.9              | 25                | 21.4            | 22                 | 17.0             |
| 100         | 54388       | 1305         | -77        | .          | 11                | 5.6             | 14                 | 10.9             | 20                | 18.7            | 20                 | 14.8             | 15                | 7.0             | 16                 | 9.0              | 18                | 21.7            | 16                 | 11.6             |
| 70          | 61082       | 578          | -75        | .          | 10                | 5.9             | 16                 | 15.0             | 18                | 27.4            | 12                 | 10.7             | 12                | 5.3             | 19                 | 13.2             | 21                | 14.6            | 13                 | 7.1              |
| 50          | 67549       | 42           | -66        | .          | 12                | 3.7             | 18                 | 12.2             | 20                | 23.5            | 12                 | 10.3             | 9                 | 4.8             | 20                 | 13.2             | 21                | 23.3            | 15                 | 8.3              |
| 30          | 77784       | -460         | -58        | .          | 17                | 3.8             | 24                 | 9.1              | 30                | 37.0            | 15                 | 5.8              | 10                | 3.3             | 18                 | 10.8             | 26                | 23.7            | 24                 | 5.9              |
| 20          | 86357       | -524         | -53        | .          | 19                | 2.8             | 12                 | 4.0              | 11                | 10.1            | 7                  | 8.5              | 6                 | 1.7             | 14                 | 5.2              | 16                | 11.8            | 17                 | 5.1              |
| 10          | 101358      | -527         | -45        | .          | 37                | 5.8             | 24                 | 8.0              | 22                | 20.3            | 14                 | 17.0             | 12                | 3.5             | 28                 | 10.6             | 32                | 23.8            | 34                 | 10.3             |

FEB Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0  | 14    | 52.4 | 12    | 47.5 | 0     | 0.0  |
| 1000 | 282    | -82  | 26  | 22  | 8     | 1.2  | 16    | 56.3 | 14    | 41.8 | 0     | 0.0  |
| 850  | 4922   | 141  | 19  | 8   | 13    | 4.2  | 16    | 35.6 | 15    | 51.9 | 0     | 0.0  |
| 700  | 10306  | 424  | 10  | -3  | 10    | 8.1  | 10    | 17.8 | 9     | 25.4 | 4     | 0.3  |
| 500  | 19216  | 927  | -6  | -16 | 9     | 7.9  | 14    | 19.0 | 8     | 8.8  | 10    | 2.4  |
| 400  | 24847  | 1273 | -16 | -29 | 12    | 7.5  | 14    | 22.0 | 8     | 4.2  | 7     | 5.3  |
| 300  | 31755  | 1690 | -32 | -45 | 12    | 10.2 | 15    | 20.4 | 10    | 5.4  | 12    | 4.7  |
| 250  | 35892  | 1893 | -42 | .   | 15    | 10.0 | 16    | 16.6 | 14    | 4.5  | 13    | 6.7  |
| 200  | 40738  | 2076 | -54 | .   | 17    | 7.7  | 15    | 13.4 | 12    | 4.4  | 14    | 4.2  |
| 150  | 46627  | 1980 | -68 | .   | 14    | 9.8  | 14    | 8.3  | 11    | 4.2  | 18    | 13.6 |
| 100  | 54395  | 1312 | -77 | .   | 9     | 7.9  | 12    | 12.7 | 9     | 8.1  | 12    | 13.6 |
| 70   | 61064  | 560  | -76 | .   | 11    | 7.7  | 13    | 11.2 | 12    | 8.1  | 15    | 17.1 |
| 50   | 67533  | 26   | -67 | .   | 24    | 10.7 | 13    | 7.4  | 16    | 9.5  | 12    | 10.2 |
| 30   | 77757  | -487 | -59 | .   | 37    | 8.5  | 22    | 10.5 | 13    | 3.7  | 15    | 20.7 |
| 20   | 86330  | -551 | -53 | .   | 39    | 4.3  | 16    | 23.0 | 17    | 1.7  | 20    | 14.4 |
| 10   | 101220 | -665 | -43 | .   | 79    | 8.7  | 13    | 3.0  | 14    | 3.5  | 19    | 3.2  |

FEB Latitude= 0.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 24  | 13    | 1.7  | 12    | 87.2 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 292    | -72  | 25  | 22  | 13    | 3.8  | 14    | 81.4 | 12    | 14.3 | 0     | 0.0  |
| 850  | 4923   | 143  | 18  | 9   | 11    | 4.2  | 14    | 28.2 | 8     | 9.3  | 0     | 0.0  |
| 700  | 10302  | 420  | 10  | -3  | 8     | 8.3  | 9     | 10.2 | 10    | 26.5 | 4     | 0.3  |
| 500  | 19216  | 927  | -6  | -16 | 10    | 9.1  | 13    | 20.3 | 9     | 11.8 | 9     | 5.8  |
| 400  | 24846  | 1272 | -16 | -29 | 12    | 5.6  | 15    | 22.2 | 8     | 4.7  | 6     | 4.5  |
| 300  | 31756  | 1691 | -32 | -44 | 13    | 7.4  | 14    | 23.1 | 9     | 7.7  | 11    | 5.6  |
| 250  | 35892  | 1893 | -42 | .   | 14    | 7.9  | 15    | 16.2 | 12    | 7.5  | 15    | 5.6  |
| 200  | 40737  | 2075 | -54 | .   | 16    | 7.9  | 16    | 11.8 | 13    | 5.6  | 15    | 5.8  |
| 150  | 46625  | 1978 | -68 | .   | 16    | 6.8  | 14    | 8.6  | 15    | 7.5  | 13    | 8.8  |
| 100  | 54391  | 1308 | -77 | .   | 9     | 7.2  | 13    | 12.3 | 11    | 4.4  | 19    | 15.7 |
| 70   | 61060  | 556  | -76 | .   | 11    | 9.4  | 14    | 11.0 | 10    | 8.1  | 15    | 17.8 |
| 50   | 67532  | 25   | -67 | .   | 26    | 10.7 | 15    | 8.3  | 12    | 7.9  | 16    | 18.7 |
| 30   | 77755  | -489 | -59 | .   | 36    | 7.6  | 18    | 23.0 | 14    | 5.8  | 26    | 24.0 |
| 20   | 86328  | -553 | -53 | .   | 39    | 2.8  | 31    | 37.3 | 17    | 5.0  | 21    | 11.1 |
| 10   | 101219 | -666 | -43 | .   | 78    | 5.7  | 16    | 4.3  | 19    | 3.0  | 35    | 7.4  |

FEB Latitude= 0.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 26         | 23         | 13                | 12.7            | 10                 | 79.4             | 8                 | 7.8             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 295         | -69          | 25         | 22         | 14                | 13.6            | 12                 | 69.2             | 11                | 16.2            | 8                  | 0.3              | 2                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4924        | 144          | 18         | 10         | 9                 | 5.1             | 13                 | 30.2             | 14                | 50.3            | 10                 | 7.9              | 7                 | 2.2             | 5                  | 1.0              | 3                 | 0.7             | 6                  | 1.5              |
| 700         | 10299       | 417          | 10         | -2         | 7                 | 7.0             | 9                  | 8.6              | 10                | 23.6            | 11                 | 25.2             | 9                 | 14.1            | 8                  | 7.9              | 10                | 7.2             | 8                  | 5.3              |
| 500         | 19214       | 925          | -6         | -16        | 9                 | 9.1             | 12                 | 22.6             | 14                | 37.8            | 10                 | 13.9             | 8                 | 4.0             | 3                  | 1.0              | 7                 | 4.5             | 7                  | 6.5              |
| 400         | 24845       | 1271         | -16        | -28        | 10                | 4.0             | 16                 | 24.5             | 18                | 40.1            | 11                 | 9.0              | 9                 | 5.1             | 9                  | 7.7              | 11                | 5.3             | 7                  | 3.3              |
| 300         | 31755       | 1690         | -32        | -43        | 11                | 6.3             | 13                 | 19.9             | 18                | 37.9            | 13                 | 13.0             | 14                | 7.9             | 14                 | 6.0              | 17                | 4.7             | 10                 | 3.7              |
| 250         | 35892       | 1893         | -42        |            | 14                | 5.6             | 15                 | 13.7             | 18                | 33.7            | 17                 | 19.7             | 14                | 8.4             | 14                 | 6.8              | 16                | 4.9             | 13                 | 6.7              |
| 200         | 40738       | 2076         | -54        |            | 16                | 7.4             | 16                 | 10.2             | 22                | 29.5            | 21                 | 19.6             | 14                | 7.7             | 14                 | 7.9              | 16                | 10.4            | 14                 | 7.0              |
| 150         | 46626       | 1979         | -68        |            | 14                | 4.9             | 14                 | 8.8              | 26                | 30.5            | 16                 | 10.6             | 10                | 6.0             | 17                 | 8.3              | 20                | 18.7            | 17                 | 11.4             |
| 100         | 54392       | 1309         | -77        |            | 10                | 6.7             | 12                 | 10.6             | 17                | 23.4            | 13                 | 7.7              | 9                 | 8.4             | 13                 | 12.8             | 16                | 20.8            | 13                 | 9.0              |
| 70          | 61061       | 557          | -76        |            | 12                | 7.4             | 14                 | 12.3             | 16                | 19.3            | 13                 | 14.5             | 13                | 7.2             | 13                 | 10.1             | 16                | 18.2            | 10                 | 10.1             |
| 50          | 67533       | 26           | -67        |            | 25                | 7.4             | 14                 | 9.1              | 18                | 23.4            | 14                 | 9.1              | 12                | 6.8             | 13                 | 8.5              | 26                | 24.4            | 25                 | 10.5             |
| 30          | 77756       | -488         | -59        |            | 17                | 3.7             | 19                 | 9.7              | 29                | 39.4            | 11                 | 8.2              | 16                | 5.2             | 17                 | 7.2              | 21                | 11.9            | 54                 | 13.8             |
| 20          | 86329       | -552         | -53        |            | 30                | 0.8             | 8                  | 1.9              | 15                | 23.6            | 7                  | 1.5              | 9                 | 0.3             | 16                 | 3.5              | 16                | 4.1             | 46                 | 13.7             |
| 10          | 101218      | -667         | -43        |            | 61                | 1.7             | 16                 | 3.9              | 31                | 47.3            | 13                 | 3.0              | 18                | 0.8             | 32                 | 7.0              | 32                | 8.3             | 92                 | 27.6             |

FEB Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 29         | 18         | 0                 | 0.0             | 12                 | 21.9             | 11                | 75.8            | 10                 | 2.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 280         | -84          | 27         | 19         | 0                 | 0.0             | 13                 | 28.0             | 14                | 69.4            | 11                 | 2.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 3                  | 0.1              |
| 850         | 4924        | 144          | 19         | 9          | 16                | 0.8             | 19                 | 44.5             | 16                | 48.9            | 11                 | 5.3              | 10                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10308       | 426          | 10         | -2         | 10                | 8.3             | 13                 | 28.2             | 11                | 31.8            | 11                 | 22.6             | 6                 | 3.3             | 5                  | 1.4              | 4                 | 1.9             | 10                 | 2.1              |
| 500         | 19216       | 927          | -6         | -17        | 8                 | 5.6             | 13                 | 21.2             | 17                | 44.8            | 10                 | 11.3             | 7                 | 4.4             | 9                  | 3.1              | 7                 | 4.0             | 6                  | 4.7              |
| 400         | 24844       | 1270         | -16        | -30        | 12                | 7.4             | 17                 | 18.9             | 22                | 42.7            | 13                 | 9.8              | 11                | 4.7             | 11                 | 5.6              | 13                | 5.6             | 11                 | 4.5              |
| 300         | 31752       | 1687         | -32        | -45        | 12                | 11.1            | 15                 | 22.7             | 19                | 33.5            | 14                 | 7.9              | 13                | 5.6             | 11                 | 5.6              | 13                | 5.1             | 17                 | 7.5              |
| 250         | 35892       | 1893         | -42        |            | 15                | 10.0            | 16                 | 19.7             | 17                | 25.6            | 15                 | 14.1             | 12                | 7.2             | 15                 | 5.4              | 15                | 6.1             | 17                 | 10.9             |
| 200         | 40739       | 2077         | -54        |            | 18                | 11.8            | 16                 | 11.1             | 21                | 20.1            | 18                 | 16.0             | 12                | 6.7             | 16                 | 6.7              | 18                | 11.1            | 19                 | 16.0             |
| 150         | 46628       | 1981         | -68        |            | 17                | 8.3             | 13                 | 7.4              | 21                | 25.4            | 20                 | 13.0             | 10                | 2.8             | 18                 | 6.5              | 22                | 18.5            | 19                 | 17.8             |
| 100         | 54396       | 1313         | -77        |            | 10                | 7.9             | 12                 | 10.9             | 16                | 21.3            | 12                 | 8.1              | 11                | 7.4             | 12                 | 12.5             | 16                | 20.4            | 14                 | 10.9             |
| 70          | 61062       | 558          | -76        |            | 13                | 9.2             | 13                 | 12.3             | 16                | 16.7            | 13                 | 15.6             | 14                | 7.0             | 17                 | 11.0             | 16                | 17.6            | 10                 | 10.1             |
| 50          | 67529       | 22           | -67        |            | 23                | 10.5            | 15                 | 10.9             | 19                | 19.3            | 13                 | 9.9              | 15                | 4.4             | 20                 | 10.3             | 21                | 22.2            | 22                 | 11.5             |
| 30          | 77763       | -481         | -59        |            | 40                | 8.7             | 24                 | 11.9             | 31                | 33.5            | 11                 | 8.0              | 15                | 5.2             | 21                 | 9.3              | 17                | 12.1            | 38                 | 10.5             |
| 20          | 86335       | -546         | -53        |            | 38                | 4.7             | 6                  | 1.5              | 14                | 19.5            | 6                  | 3.0              | 10                | 0.3             | 14                 | 4.3              | 18                | 4.5             | 34                 | 11.5             |
| 10          | 101228      | -657         | -43        |            | 77                | 9.6             | 12                 | 3.0              | 28                | 39.0            | 13                 | 6.1              | 21                | 0.8             | 27                 | 8.7              | 36                | 9.2             | 68                 | 23.2             |

FEB Latitude= 2.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N       | NE      | E       | SE      | S      | SW      | W       | NW      |
|------|--------|------|-----|-----|---------|---------|---------|---------|--------|---------|---------|---------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD     | FRQ     | SPD     | FRQ     | SPD    | FRQ     | SPD     | FRQ     |
|      |        |      |     |     | (kts)   | (%)     | (kts)   | (%)     | (kts)  | (%)     | (kts)   | (%)     |
| SFC  | .      | .    | 26  | 23  | 0       | 0.0     | 11 24.1 | 0 0.0   | 0 0.0  | 0 0.0   | 0 0.0   | 0 0.0   |
| 1000 | 300    | -64  | 25  | 21  | 11 1.5  | 16 75.7 | 13 22.6 | 0 0.0   | 0 0.0  | 0 0.0   | 0 0.0   | 0 0.0   |
| 850  | 4924   | 144  | 18  | 8   | 14 1.4  | 18 39.5 | 17 54.0 | 12 4.2  | 7 0.7  | 0 0.0   | 0 0.0   | 0 0.0   |
| 700  | 10302  | 420  | 10  | -3  | 8 6.5   | 11 21.5 | 11 31.4 | 11 22.9 | 9 7.2  | 6 2.6   | 5 3.7   | 7 3.5   |
| 500  | 19216  | 927  | -6  | -17 | 9 6.0   | 12 21.3 | 17 46.1 | 11 9.8  | 8 4.5  | 9 3.7   | 8 3.1   | 8 4.5   |
| 400  | 24845  | 1271 | -16 | -30 | 12 6.3  | 17 19.7 | 22 43.4 | 12 9.3  | 10 5.1 | 11 8.6  | 14 4.2  | 6 2.6   |
| 300  | 31755  | 1690 | -32 | -45 | 10 10.0 | 15 23.4 | 18 32.6 | 13 9.1  | 12 7.0 | 14 7.4  | 17 5.3  | 15 4.7  |
| 250  | 35893  | 1894 | -42 | .   | 13 11.3 | 14 18.1 | 17 26.5 | 14 15.3 | 14 7.9 | 17 6.3  | 18 5.8  | 15 8.1  |
| 200  | 40739  | 2077 | -54 | .   | 16 11.3 | 15 10.9 | 21 22.0 | 21 16.0 | 14 6.7 | 18 8.4  | 18 12.7 | 19 11.1 |
| 150  | 46626  | 1979 | -68 | .   | 15 7.0  | 15 6.7  | 23 25.2 | 18 13.4 | 11 3.7 | 19 7.4  | 23 18.9 | 19 17.1 |
| 100  | 54397  | 1314 | -77 | .   | 10 7.9  | 13 10.7 | 16 21.2 | 12 9.1  | 10 6.3 | 15 13.9 | 17 20.1 | 14 9.8  |
| 70   | 61064  | 560  | -76 | .   | 15 9.2  | 13 13.6 | 16 16.7 | 15 13.8 | 15 7.4 | 15 12.3 | 16 18.9 | 10 7.2  |
| 50   | 67531  | 24   | -67 | .   | 27 12.6 | 15 8.9  | 19 20.3 | 13 9.9  | 16 6.2 | 17 11.7 | 23 20.5 | 20 9.1  |
| 30   | 77754  | -490 | -59 | .   | 46 9.5  | 21 11.9 | 31 34.1 | 10 8.5  | 17 5.6 | 21 9.5  | 18 12.1 | 45 8.0  |
| 20   | 86327  | -554 | -53 | .   | 49 5.8  | 7 1.9   | 14 19.5 | 7 2.5   | 6 1.0  | 14 3.6  | 16 5.8  | 37 9.1  |
| 10   | 101227 | -658 | -43 | .   | 99 11.8 | 14 3.9  | 28 39.0 | 15 5.2  | 13 2.1 | 28 7.4  | 33 11.8 | 74 18.4 |

FEB Latitude= 2.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N       | NE      | E       | SE      | S       | SW      | W       | NW      |
|------|--------|------|-----|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD     | FRQ     | SPD     | FRQ     | SPD     | FRQ     | SPD     | FRQ     |
|      |        |      |     |     | (kts)   | (%)     | (kts)   | (%)     | (kts)   | (%)     | (kts)   | (%)     |
| SFC  | .      | .    | 26  | 23  | 15 3.9  | 12 85.4 | 10 10.6 | 0 0.0   | 0 0.0   | 0 0.0   | 0 0.0   | 0 0.0   |
| 1000 | 304    | -60  | 25  | 22  | 15 7.2  | 14 76.5 | 13 15.7 | 7 0.5   | 0 0.0   | 0 0.0   | 0 0.0   | 0 0.0   |
| 850  | 4925   | 145  | 18  | 9   | 11 2.1  | 16 32.5 | 16 59.0 | 12 4.4  | 7 1.4   | 0 0.0   | 4 0.1   | 3 0.1   |
| 700  | 10299  | 417  | 10  | -3  | 7 6.0   | 10 19.0 | 11 30.9 | 10 23.6 | 8 7.5   | 8 4.5   | 7 3.7   | 7 4.2   |
| 500  | 19216  | 927  | -6  | -16 | 9 6.0   | 13 22.4 | 17 44.1 | 11 9.8  | 9 5.1   | 7 3.3   | 7 2.1   | 9 6.5   |
| 400  | 24845  | 1271 | -16 | -29 | 13 5.3  | 18 19.2 | 22 45.5 | 11 9.1  | 10 6.0  | 12 6.7  | 12 4.9  | 6 2.6   |
| 300  | 31755  | 1690 | -32 | -44 | 12 6.5  | 15 22.7 | 17 34.8 | 14 9.0  | 13 9.0  | 16 8.3  | 19 4.5  | 11 4.7  |
| 250  | 35892  | 1893 | -42 | .   | 12 8.6  | 14 17.4 | 17 24.3 | 14 18.7 | 15 10.9 | 19 8.4  | 17 5.8  | 13 5.4  |
| 200  | 40737  | 2075 | -54 | .   | 15 7.4  | 14 12.3 | 20 22.6 | 22 15.1 | 15 10.0 | 20 11.3 | 17 11.6 | 15 9.1  |
| 150  | 46623  | 1976 | -68 | .   | 13 7.9  | 17 6.0  | 23 27.2 | 20 10.9 | 13 4.5  | 18 9.8  | 22 21.9 | 17 11.3 |
| 100  | 54394  | 1311 | -77 | .   | 11 6.7  | 12 10.0 | 17 22.7 | 13 9.1  | 10 7.9  | 16 12.5 | 18 20.4 | 12 10.2 |
| 70   | 61062  | 558  | -76 | .   | 11 8.3  | 14 13.2 | 17 20.9 | 14 10.7 | 14 8.5  | 15 11.4 | 17 16.5 | 10 9.9  |
| 50   | 67530  | 23   | -67 | .   | 28 11.3 | 17 8.9  | 17 21.8 | 14 8.7  | 13 7.6  | 15 10.5 | 23 22.0 | 21 8.5  |
| 30   | 77750  | -494 | -59 | .   | 44 8.7  | 21 9.7  | 29 37.1 | 11 8.2  | 17 4.8  | 19 9.3  | 20 12.3 | 42 9.5  |
| 20   | 86319  | -562 | -53 | .   | 49 4.7  | 8 2.5   | 14 19.2 | 6 2.8   | 5 1.2   | 12 4.3  | 19 4.7  | 40 9.8  |
| 10   | 101215 | -670 | -43 | .   | 98 9.6  | 16 5.2  | 29 38.5 | 13 5.7  | 11 2.6  | 25 8.7  | 39 9.6  | 81 19.7 |

FEB Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 29         | 15         | 0                 | 0.0             | 9                  | 6.7              | 10                | 91.1            | 9                  | 2.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 297         | -67          | 28         | 17         | 0                 | 0.0             | 11                 | 7.2              | 12                | 83.9            | 10                 | 8.3              | 3                 | 0.5             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4932        | 152          | 19         | 10         | 11                | 0.3             | 16                 | 27.7             | 15                | 64.6            | 13                 | 6.8              | 7                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10314       | 432          | 10         | -1         | 12                | 7.9             | 14                 | 36.0             | 13                | 29.1            | 11                 | 19.7             | 8                 | 3.0             | 5                  | 1.0              | 8                 | 0.7             | 6                  | 1.5              |
| 500         | 19223       | 934          | -6         | -19        | 9                 | 5.3             | 14                 | 16.0             | 18                | 51.0            | 10                 | 9.3              | 8                 | 4.9             | 6                  | 4.0              | 7                 | 4.0             | 8                  | 4.5              |
| 400         | 24847       | 1273         | -16        | -31        | 13                | 6.1             | 17                 | 16.9             | 24                | 40.9            | 14                 | 9.5              | 9                 | 4.9             | 14                 | 7.5              | 11                | 7.0             | 10                 | 6.5              |
| 300         | 31751       | 1686         | -32        | -46        | 14                | 10.7            | 16                 | 19.2             | 19                | 28.2            | 13                 | 9.8              | 10                | 5.1             | 15                 | 6.5              | 15                | 7.9             | 13                 | 11.8             |
| 250         | 35891       | 1892         | -42        | .          | 16                | 13.4            | 17                 | 17.1             | 17                | 19.7            | 14                 | 10.0             | 13                | 6.8             | 15                 | 9.5              | 17                | 9.7             | 17                 | 13.2             |
| 200         | 40738       | 2076         | -54        | .          | 19                | 11.4            | 19                 | 9.5              | 18                | 15.0            | 16                 | 15.3             | 14                | 5.3             | 17                 | 8.8              | 20                | 15.5            | 20                 | 18.9             |
| 150         | 46629       | 1982         | -68        | .          | 16                | 8.1             | 14                 | 7.2              | 20                | 15.5            | 19                 | 16.9             | 12                | 4.2             | 16                 | 6.8              | 22                | 22.7            | 21                 | 18.1             |
| 100         | 54391       | 1308         | -77        | .          | 12                | 8.1             | 11                 | 9.7              | 16                | 19.0            | 14                 | 9.0              | 10                | 6.3             | 12                 | 15.0             | 16                | 19.4            | 16                 | 13.2             |
| 70          | 61059       | 555          | -76        | .          | 13                | 10.1            | 12                 | 12.3             | 17                | 21.3            | 14                 | 13.6             | 13                | 5.7             | 18                 | 12.9             | 16                | 13.6            | 12                 | 9.9              |
| 50          | 67533       | 26           | -67        | .          | 21                | 13.0            | 15                 | 10.7             | 20                | 20.3            | 13                 | 10.5             | 14                | 5.4             | 21                 | 10.3             | 18                | 16.7            | 17                 | 12.3             |
| 30          | 77788       | -456         | -59        | .          | 35                | 9.3             | 26                 | 10.9             | 29                | 35.5            | 11                 | 5.2              | 16                | 6.0             | 21                 | 8.5              | 15                | 10.9            | 30                 | 12.3             |
| 20          | 86365       | -516         | -53        | .          | 34                | 5.2             | 7                  | 1.7              | 13                | 13.3            | 8                  | 3.8              | 7                 | 1.5             | 12                 | 5.2              | 16                | 7.4             | 30                 | 11.3             |
| 10          | 101246      | -639         | -43        | .          | 68                | 10.5            | 14                 | 3.5              | 25                | 26.7            | 17                 | 7.8              | 13                | 3.0             | 24                 | 10.5             | 31                | 14.9            | 61                 | 22.8             |

FEB Latitude= 5.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 28         | 18         | 0                 | 0.0             | 12                 | 31.2             | 12                | 68.7            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 307         | -57          | 26         | 19         | 3                 | 0.1             | 15                 | 32.5             | 14                | 66.6            | 10                 | 0.5              | 3                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4933        | 153          | 18         | 7          | 17                | 0.3             | 20                 | 42.9             | 16                | 50.1            | 15                 | 6.1              | 10                | 0.1             | 0                  | 0.0              | 2                 | 0.1             | 0                  | 0.0              |
| 700         | 10307       | 425          | 10         | -3         | 9                 | 6.5             | 13                 | 29.8             | 13                | 35.3            | 11                 | 18.1             | 10                | 5.4             | 5                  | 1.0              | 5                 | 2.1             | 5                  | 1.2              |
| 500         | 19221       | 932          | -6         | -18        | 10                | 5.8             | 14                 | 18.1             | 19                | 48.0            | 11                 | 9.7              | 9                 | 5.3             | 8                  | 4.4              | 8                 | 3.7             | 9                  | 4.5              |
| 400         | 24849       | 1275         | -16        | -30        | 12                | 7.4             | 18                 | 14.4             | 24                | 42.4            | 14                 | 10.0             | 11                | 4.7             | 14                 | 8.4              | 12                | 7.9             | 10                 | 4.0              |
| 300         | 31756       | 1691         | -32        | -46        | 11                | 11.4            | 15                 | 20.3             | 20                | 27.3            | 13                 | 9.8              | 11                | 6.3             | 17                 | 10.7             | 16                | 6.1             | 14                 | 7.2              |
| 250         | 35892       | 1893         | -42        | .          | 15                | 13.4            | 18                 | 14.3             | 18                | 20.6            | 12                 | 11.6             | 14                | 9.5             | 18                 | 10.6             | 17                | 9.3             | 16                 | 10.4             |
| 200         | 40736       | 2074         | -54        | .          | 17                | 10.6            | 17                 | 11.1             | 20                | 15.3            | 18                 | 14.3             | 14                | 7.2             | 20                 | 11.4             | 21                | 15.3            | 17                 | 14.4             |
| 150         | 46622       | 1975         | -68        | .          | 15                | 5.8             | 17                 | 6.0              | 21                | 19.2            | 20                 | 15.3             | 12                | 4.5             | 17                 | 8.8              | 23                | 21.3            | 19                 | 18.7             |
| 100         | 54391       | 1308         | -77        | .          | 12                | 7.7             | 11                 | 10.7             | 17                | 17.6            | 15                 | 10.9             | 10                | 6.5             | 15                 | 13.9             | 18                | 20.4            | 14                 | 11.4             |
| 70          | 61061       | 557          | -76        | .          | 14                | 10.5            | 14                 | 11.8             | 17                | 19.3            | 15                 | 14.0             | 13                | 7.7             | 19                 | 12.7             | 16                | 13.6            | 12                 | 9.6              |
| 50          | 67530       | 23           | -67        | .          | 25                | 13.6            | 14                 | 9.7              | 19                | 22.0            | 13                 | 10.1             | 14                | 6.2             | 21                 | 10.7             | 18                | 18.1            | 17                 | 8.9              |
| 30          | 77770       | -474         | -59        | .          | 44                | 11.5            | 23                 | 10.3             | 30                | 35.1            | 13                 | 6.6              | 14                | 6.6             | 23                 | 9.9              | 16                | 11.1            | 30                 | 8.2              |
| 20          | 86343       | -538         | -53        | .          | 44                | 7.6             | 7                  | 1.9              | 13                | 13.5            | 9                  | 4.5              | 4                 | 1.9             | 10                 | 5.0              | 17                | 7.1             | 30                 | 7.8              |
| 10          | 101237      | -648         | -44        | .          | 88                | 15.3            | 14                 | 3.9              | 26                | 27.1            | 18                 | 9.2              | 9                 | 3.9             | 21                 | 10.0             | 35                | 14.4            | 59                 | 15.7             |

FEB Latitude= 5.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0  | 11    | 9.2  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 318    | -46  | 24  | 21  | 13    | 0.7  | 12    | 13.6 | 5     | 0.1  | 5     | 0.1  |
| 850  | 4931   | 151  | 17  | 7   | 15    | 0.7  | 17    | 60.9 | 6     | 0.1  | 0     | 0.0  |
| 700  | 10303  | 421  | 10  | -4  | 7     | 6.0  | 12    | 24.2 | 10    | 5.1  | 7     | 1.7  |
| 500  | 19220  | 931  | -5  | -18 | 9     | 7.4  | 14    | 19.7 | 10    | 4.5  | 7     | 3.5  |
| 400  | 24850  | 1276 | -16 | -30 | 13    | 8.8  | 18    | 16.9 | 14    | 6.3  | 13    | 6.8  |
| 300  | 31760  | 1695 | -32 | -45 | 12    | 9.8  | 19    | 32.3 | 14    | 7.7  | 17    | 6.0  |
| 250  | 35895  | 1896 | -42 | .   | 14    | 9.3  | 18    | 21.9 | 16    | 13.0 | 19    | 8.4  |
| 200  | 40738  | 2076 | -54 | .   | 17    | 6.5  | 16    | 10.4 | 16    | 8.6  | 21    | 14.1 |
| 150  | 46622  | 1975 | -68 | .   | 14    | 4.4  | 21    | 21.5 | 16    | 5.1  | 22    | 25.0 |
| 100  | 54396  | 1313 | -77 | .   | 12    | 4.7  | 11    | 11.8 | 11    | 6.1  | 17    | 14.6 |
| 70   | 61067  | 563  | -76 | .   | 12    | 10.5 | 14    | 11.8 | 12    | 7.9  | 18    | 11.8 |
| 50   | 67533  | 26   | -67 | .   | 26    | 13.6 | 15    | 10.9 | 11    | 7.8  | 20    | 11.1 |
| 30   | 77757  | -487 | -59 | .   | 47    | 12.6 | 30    | 35.3 | 15    | 4.8  | 22    | 9.9  |
| 20   | 86326  | -555 | -53 | .   | 44    | 10.0 | 7     | 1.2  | 5     | 2.1  | 11    | 4.7  |
| 10   | 101230 | -655 | -44 | .   | 89    | 20.1 | 15    | 2.6  | 10    | 4.3  | 22    | 9.6  |

FEB Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW  | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|-----|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  |
| SFC  | .      | .    | 26  | 11  | 8     | 1.4  | 9     | 52.1 | 8     | 0.7 | 0     | 0.0  |
| 1000 | 328    | -36  | 28  | 16  | 8     | 2.2  | 11    | 44.3 | 10    | 4.4 | 4     | 0.1  |
| 850  | 4938   | 158  | 20  | 11  | 11    | 1.7  | 12    | 19.0 | 12    | 3.0 | 0     | 0.0  |
| 700  | 10320  | 438  | 9   | 1   | 8     | 11.4 | 13    | 26.8 | 9     | 5.8 | 6     | 2.6  |
| 500  | 19237  | 948  | -6  | -19 | 9     | 6.5  | 12    | 16.7 | 8     | 4.4 | 7     | 4.4  |
| 400  | 24854  | 1280 | -17 | -30 | 12    | 9.3  | 18    | 13.0 | 10    | 6.1 | 12    | 9.5  |
| 300  | 31747  | 1682 | -32 | -46 | 17    | 11.3 | 19    | 24.0 | 10    | 6.3 | 16    | 8.4  |
| 250  | 35891  | 1892 | -42 | .   | 17    | 11.8 | 17    | 12.5 | 14    | 6.3 | 16    | 10.6 |
| 200  | 40737  | 2075 | -54 | .   | 17    | 11.3 | 16    | 11.4 | 12    | 6.7 | 18    | 10.0 |
| 150  | 46629  | 1982 | -68 | .   | 17    | 7.7  | 14    | 6.7  | 15    | 7.2 | 24    | 25.9 |
| 100  | 54383  | 1300 | -77 | .   | 12    | 9.0  | 11    | 9.1  | 10    | 5.6 | 14    | 15.0 |
| 70   | 61053  | 549  | -76 | .   | 13    | 9.0  | 18    | 14.1 | 14    | 8.4 | 16    | 17.5 |
| 50   | 67536  | 29   | -66 | .   | 19    | 13.2 | 21    | 22.0 | 11    | 6.1 | 20    | 19.0 |
| 30   | 77808  | -436 | -58 | .   | 27    | 9.3  | 27    | 30.5 | 15    | 5.8 | 21    | 10.7 |
| 20   | 86369  | -512 | -53 | .   | 27    | 3.5  | 9     | 6.6  | 7     | 3.1 | 14    | 6.1  |
| 10   | 101266 | -619 | -45 | .   | 55    | 7.0  | 17    | 13.4 | 14    | 6.3 | 28    | 12.4 |

FEB Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 26         | 13         | 11                | 1.7             | 11                 | 19.5             | 9                 | 65.6            | 10                 | 13.1             | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 333         | -31          | 27         | 17         | 13                | 1.2             | 13                 | 16.0             | 12                | 62.8            | 11                 | 18.7             | 8                 | 1.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 494         | 164          | 18         | 10         | 19                | 1.5             | 17                 | 27.2             | 14                | 54.4            | 13                 | 15.5             | 7                 | 1.0             | 0                  | 0.0              | 5                 | 0.1             | 0                  | 0.0              |
| 700         | 1031        | 436          | 10         | -2         | 9                 | 7.4             | 13                 | 32.5             | 14                | 33.0            | 12                 | 15.5             | 9                 | 6.0             | 6                  | 1.9              | 6                 | 2.1             | 4                  | 1.2              |
| 500         | 1923        | 943          | -6         | -19        | 10                | 7.7             | 14                 | 14.3             | 19                | 43.4            | 13                 | 10.9             | 10                | 4.5             | 7                  | 4.5              | 8                 | 5.8             | 10                 | 7.4              |
| 400         | 2485        | 1280         | -17        | -30        | 14                | 7.5             | 16                 | 14.3             | 23                | 35.8            | 16                 | 10.4             | 14                | 6.1             | 13                 | 7.7              | 14                | 9.7             | 12                 | 8.1              |
| 300         | 3175        | 1685         | -32        | -46        | 16                | 10.4            | 16                 | 15.9             | 21                | 22.6            | 13                 | 9.5              | 13                | 6.1             | 18                 | 12.0             | 17                | 12.1            | 14                 | 11.1             |
| 250         | 3589        | 1892         | -42        | .          | 17                | 10.7            | 17                 | 14.4             | 18                | 14.6            | 14                 | 10.7             | 13                | 7.2             | 18                 | 15.0             | 20                | 14.4            | 18                 | 12.1             |
| 200         | 4073        | 2074         | -54        | .          | 17                | 9.0             | 18                 | 11.6             | 18                | 10.4            | 16                 | 14.8             | 13                | 6.8             | 20                 | 13.6             | 22                | 19.6            | 19                 | 13.9             |
| 150         | 4662        | 1977         | -68        | .          | 15                | 7.0             | 16                 | 8.8              | 17                | 11.8            | 19                 | 18.5             | 14                | 6.5             | 18                 | 7.5              | 23                | 24.7            | 19                 | 16.7             |
| 100         | 5438        | 1304         | -77        | .          | 13                | 7.2             | 12                 | 8.4              | 17                | 17.8            | 14                 | 10.7             | 11                | 7.7             | 16                 | 13.2             | 18                | 20.1            | 16                 | 13.9             |
| 70          | 6105        | 555          | -76        | .          | 12                | 8.8             | 13                 | 10.2             | 19                | 20.4            | 13                 | 12.4             | 11                | 7.2             | 21                 | 12.7             | 16                | 16.1            | 13                 | 11.6             |
| 50          | 6753        | 27           | -67        | .          | 21                | 12.1            | 16                 | 10.4             | 21                | 21.2            | 13                 | 8.8              | 13                | 6.5             | 21                 | 12.8             | 19                | 19.7            | 17                 | 7.9              |
| 30          | 7779        | -448         | -58        | .          | 38                | 10.9            | 25                 | 9.7              | 29                | 30.7            | 13                 | 6.3              | 16                | 6.3             | 21                 | 12.1             | 25                | 15.3            | 20                 | 8.1              |
| 20          | 8635        | -528         | -53        | .          | 34                | 7.3             | 14                 | 1.7              | 9                 | 7.0             | 11                 | 5.2              | 9                 | 3.1             | 15                 | 7.5              | 20                | 12.5            | 24                 | 4.9              |
| 10          | 10126       | -623         | -45        | .          | 69                | 14.8            | 28                 | 3.5              | 18                | 14.1            | 23                 | 10.6             | 17                | 6.3             | 30                 | 15.2             | 39                | 25.1            | 48                 | 9.9              |

FEB Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 25         | 21         | 17                | 2.1             | 14                 | 70.2             | 12                | 27.6            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 338         | -26          | 25         | 20         | 18                | 1.7             | 15                 | 49.4             | 13                | 44.3            | 9                  | 4.0              | 8                 | 0.1             | 7                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 494         | 164          | 17         | 7          | 25                | 1.0             | 19                 | 37.6             | 15                | 47.1            | 14                 | 13.0             | 8                 | 0.8             | 0                  | 0.0              | 0                 | 0.0             | 5                  | 0.1              |
| 700         | 1031        | 429          | 10         | -4         | 8                 | 5.3             | 13                 | 25.7             | 15                | 40.6            | 12                 | 17.1             | 9                 | 4.5             | 6                  | 2.1              | 7                 | 2.4             | 4                  | 1.4              |
| 500         | 1923        | 941          | -6         | -20        | 10                | 6.7             | 15                 | 17.6             | 20                | 43.2            | 13                 | 8.1              | 12                | 5.8             | 9                  | 4.9              | 9                 | 5.8             | 10                 | 6.5              |
| 400         | 2485        | 1281         | -17        | -30        | 15                | 8.3             | 18                 | 14.3             | 24                | 36.5            | 15                 | 7.7              | 16                | 8.6             | 15                 | 7.0              | 15                | 8.6             | 12                 | 8.3              |
| 300         | 3175        | 1692         | -32        | -46        | 14                | 10.7            | 16                 | 13.0             | 21                | 24.7            | 14                 | 8.4              | 16                | 8.4             | 20                 | 13.7             | 19                | 10.9            | 15                 | 9.5              |
| 250         | 3589        | 1895         | -42        | .          | 15                | 10.6            | 17                 | 13.4             | 19                | 15.0            | 14                 | 10.2             | 20                | 8.8             | 19                 | 15.7             | 21                | 14.6            | 17                 | 11.3             |
| 200         | 4073        | 2076         | -54        | .          | 17                | 8.1             | 18                 | 9.8              | 16                | 15.0            | 17                 | 13.4             | 17                | 9.5             | 23                 | 14.4             | 23                | 18.1            | 19                 | 10.9             |
| 150         | 4662        | 1976         | -68        | .          | 14                | 4.5             | 13                 | 6.3              | 18                | 15.3            | 20                 | 17.8             | 17                | 6.3             | 21                 | 10.9             | 23                | 24.7            | 18                 | 13.6             |
| 100         | 5439        | 1311         | -77        | .          | 12                | 6.1             | 10                 | 8.8              | 17                | 19.7            | 13                 | 12.0             | 12                | 9.1             | 19                 | 14.4             | 19                | 16.6            | 15                 | 12.3             |
| 70          | 6106        | 564          | -76        | .          | 11                | 9.6             | 16                 | 11.8             | 18                | 21.0            | 15                 | 10.2             | 11                | 6.8             | 23                 | 12.7             | 17                | 15.5            | 12                 | 11.6             |
| 50          | 6753        | 27           | -67        | .          | 23                | 10.0            | 19                 | 11.6             | 20                | 20.3            | 13                 | 12.8             | 12                | 6.3             | 24                 | 10.9             | 20                | 18.1            | 14                 | 9.1              |
| 30          | 7774        | -470         | -58        | .          | 41                | 10.2            | 28                 | 9.7              | 29                | 32.1            | 15                 | 7.7              | 16                | 4.7             | 23                 | 10.9             | 24                | 17.4            | 19                 | 6.7              |
| 20          | 8632        | -553         | -54        | .          | 36                | 8.5             | 19                 | 1.9              | 10                | 9.1             | 11                 | 4.3              | 11                | 3.5             | 12                 | 6.5              | 21                | 12.7            | 21                 | 3.0              |
| 10          | 10125       | -632         | -45        | .          | 72                | 17.0            | 39                 | 3.9              | 20                | 18.4            | 23                 | 8.8              | 21                | 7.0             | 24                 | 13.1             | 43                | 25.5            | 42                 | 6.0              |

MAR Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E       | SE      | S      | SW      | W       | NW      |
|------|--------|------|-----|-----|-------|-----|---------|---------|--------|---------|---------|---------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD     | FRQ     | SPD    | FRQ     | SPD     | FRQ     |
|      |        |      |     |     | (kts) | (%) | (kts)   | (%)     | (kts)  | (%)     | (kts)   | (%)     |
| SFC  | .      | .    | 28  | 25  | 0     | 0.0 | 11 19.3 | 8 11.9  | 5 0.9  | 8 0.3   | 0 0.0   | 0 0.0   |
| 1000 | 273    | -91  | 27  | 23  | 8     | 1.4 | 12 25.6 | 9 8.3   | 7 1.1  | 7 0.3   | 2 0.1   | 2 0.4   |
| 850  | 4927   | 147  | 20  | 10  | 6     | 5.4 | 10 21.9 | 10 16.4 | 8 6.2  | 6 2.9   | 6 1.4   | 6 1.4   |
| 700  | 10321  | 439  | 10  | -1  | 9     | 9.0 | 10 21.2 | 8 17.5  | 8 8.5  | 6 4.6   | 5 4.0   | 7 8.2   |
| 500  | 19237  | 948  | -5  | -16 | 9     | 6.6 | 13 25.6 | 11 12.0 | 7 4.6  | 6 2.2   | 7 3.7   | 6 3.2   |
| 400  | 24870  | 1296 | -16 | -28 | 9     | 7.4 | 14 16.9 | 11 9.0  | 9 2.5  | 10 4.1  | 11 5.1  | 8 4.1   |
| 300  | 31785  | 1720 | -31 | -44 | 11    | 7.2 | 15 13.7 | 13 12.7 | 12 4.3 | 12 5.8  | 16 7.2  | 16 7.5  |
| 250  | 35930  | 1931 | -41 | .   | 11    | 7.5 | 16 15.4 | 17 12.5 | 13 7.5 | 15 6.7  | 19 11.4 | 19 9.0  |
| 200  | 40787  | 2125 | -53 | .   | 12    | 8.0 | 20 11.2 | 19 12.9 | 12 6.1 | 13 7.7  | 20 17.7 | 18 14.5 |
| 150  | 46685  | 2038 | -68 | .   | 15    | 7.5 | 17 7.9  | 23 11.9 | 11 8.2 | 13 9.3  | 18 21.9 | 20 13.5 |
| 100  | 54440  | 1357 | -77 | .   | 13    | 9.0 | 15 12.0 | 12 9.3  | 9 6.2  | 10 11.9 | 13 18.0 | 12 13.7 |
| 70   | 61104  | 600  | -76 | .   | 8     | 4.6 | 11 10.5 | 12 16.8 | 9 4.8  | 13 8.7  | 17 18.9 | 15 11.1 |
| 50   | 67572  | 65   | -67 | .   | 12    | 4.5 | 14 12.0 | 12 8.3  | 7 5.4  | 15 9.0  | 23 25.8 | 22 13.0 |
| 30   | 77890  | -354 | -59 | .   | 16    | 5.1 | 24 13.3 | 15 10.4 | 14 5.4 | 22 7.9  | 25 19.0 | 37 10.1 |
| 20   | 86505  | -376 | -52 | .   | 23    | 0.4 | 22 2.8  | 11 2.8  | 16 2.5 | 15 5.9  | 22 9.0  | 39 6.4  |
| 10   | 101401 | -484 | -40 | .   | 45    | 0.9 | 43 5.8  | 22 5.8  | 31 5.1 | 30 11.9 | 44 18.0 | 78 12.9 |

MAR Latitude= 0.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E       | SE      | S       | SW      | W       | NW      |
|------|--------|------|-----|-----|-------|-----|---------|---------|---------|---------|---------|---------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD     | FRQ     | SPD     | FRQ     | SPD     | FRQ     |
|      |        |      |     |     | (kts) | (%) | (kts)   | (%)     | (kts)   | (%)     | (kts)   | (%)     |
| SFC  | .      | .    | 28  | 25  | 7     | 5.8 | 9 48.3  | 6 4.5   | 5 0.3   | 4 0.3   | 0 0.0   | 0 0.0   |
| 1000 | 281    | -83  | 26  | 23  | 8     | 5.4 | 11 50.0 | 7 3.7   | 5 0.6   | 5 0.1   | 2 0.1   | 0 0.0   |
| 850  | 4929   | 149  | 19  | 10  | 6     | 4.9 | 9 16.2  | 9 18.2  | 7 6.9   | 8 3.0   | 6 2.0   | 6 3.7   |
| 700  | 10317  | 435  | 11  | -2  | 8     | 7.5 | 10 11.9 | 9 20.3  | 8 9.9   | 8 7.4   | 7 8.3   | 8 9.6   |
| 500  | 19236  | 947  | -5  | -16 | 9     | 7.7 | 13 27.2 | 10 10.6 | 7 4.8   | 6 2.9   | 9 3.3   | 7 3.5   |
| 400  | 24869  | 1295 | -16 | -28 | 10    | 4.9 | 13 18.7 | 12 9.0  | 8 4.1   | 12 4.5  | 12 5.6  | 8 5.3   |
| 300  | 31784  | 1719 | -32 | -44 | 11    | 5.1 | 16 14.8 | 13 14.0 | 12 4.9  | 11 7.9  | 16 8.5  | 16 6.9  |
| 250  | 35927  | 1928 | -41 | .   | 12    | 6.6 | 15 15.1 | 18 14.3 | 13 8.0  | 15 6.4  | 19 11.6 | 20 8.7  |
| 200  | 40784  | 2122 | -53 | .   | 14    | 8.7 | 19 12.2 | 22 14.0 | 14 7.4  | 21 16.2 | 21 16.2 | 21 12.4 |
| 150  | 46683  | 2036 | -68 | .   | 16    | 6.7 | 17 8.0  | 22 11.2 | 13 10.3 | 14 9.1  | 19 21.6 | 19 12.9 |
| 100  | 54435  | 1352 | -77 | .   | 13    | 8.3 | 14 13.3 | 11 8.5  | 9 7.0   | 12 11.1 | 13 18.8 | 13 12.4 |
| 70   | 61103  | 599  | -76 | .   | 9     | 6.4 | 11 12.9 | 13 13.2 | 10 6.2  | 12 9.6  | 18 18.6 | 14 8.9  |
| 50   | 67574  | 67   | -67 | .   | 14    | 5.3 | 15 11.6 | 11 9.5  | 7 3.7   | 19 8.3  | 22 28.0 | 21 11.4 |
| 30   | 77893  | -351 | -59 | .   | 13    | 4.9 | 24 13.7 | 10 2.5  | 15 5.4  | 20 7.7  | 26 16.2 | 38 11.2 |
| 20   | 86509  | -372 | -52 | .   | 18    | 0.7 | 20 2.8  | 10 2.5  | 16 2.6  | 15 6.4  | 22 7.3  | 41 7.0  |
| 10   | 101402 | -483 | -40 | .   | 37    | 1.6 | 40 5.8  | 21 5.1  | 32 5.4  | 30 12.9 | 44 14.8 | 83 14.1 |

MAR Latitude= 0.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 24  | 7     | 13.5 | 8     | 48.0 | 7     | 31.2 | 5     | 4.1  |
| 1000 | 285    | -79  | 26  | 23  | 9     | 11.4 | 10    | 45.4 | 10    | 35.9 | 7     | 4.1  |
| 850  | 4929   | 149  | 19  | 11  | 6     | 4.1  | 8     | 18.2 | 12    | 42.9 | 10    | 15.9 |
| 700  | 10315  | 433  | 11  | -1  | 7     | 6.9  | 9     | 9.8  | 10    | 21.2 | 10    | 20.4 |
| 500  | 19233  | 944  | -5  | -16 | 10    | 5.9  | 13    | 29.9 | 13    | 39.5 | 10    | 10.3 |
| 400  | 24868  | 1294 | -16 | -28 | 9     | 4.6  | 15    | 19.9 | 17    | 44.3 | 10    | 9.5  |
| 300  | 31783  | 1718 | -32 | -44 | 11    | 4.3  | 16    | 15.4 | 19    | 36.9 | 14    | 13.0 |
| 250  | 35927  | 1928 | -41 | .   | 11    | 6.1  | 16    | 13.0 | 21    | 29.1 | 17    | 19.1 |
| 200  | 40784  | 2122 | -53 | .   | 14    | 6.4  | 17    | 11.1 | 25    | 25.1 | 19    | 13.0 |
| 150  | 46683  | 2036 | -68 | .   | 16    | 6.6  | 15    | 9.0  | 27    | 21.4 | 21    | 11.4 |
| 100  | 54434  | 1351 | -77 | .   | 12    | 9.0  | 15    | 13.5 | 17    | 20.3 | 12    | 8.7  |
| 70   | 61103  | 599  | -76 | .   | 10    | 6.2  | 11    | 15.4 | 16    | 23.2 | 11    | 13.0 |
| 50   | 67574  | 67   | -67 | .   | 12    | 5.1  | 15    | 12.7 | 19    | 21.9 | 10    | 8.5  |
| 30   | 77896  | -348 | -59 | .   | 14    | 3.2  | 21    | 14.8 | 29    | 33.3 | 16    | 9.1  |
| 20   | 86507  | -374 | -52 | .   | 12    | 0.7  | 19    | 3.3  | 19    | 20.1 | 10    | 2.0  |
| 10   | 101404 | -481 | -40 | .   | 24    | 1.6  | 38    | 6.7  | 39    | 40.3 | 21    | 4.1  |

MAR Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 30  | 20  | 0     | 0.0  | 10    | 4.1  | 10    | 68.7 | 9     | 25.4 |
| 1000 | 267    | -97  | 28  | 20  | 5     | 0.8  | 10    | 9.3  | 12    | 67.4 | 10    | 19.3 |
| 850  | 4927   | 147  | 20  | 11  | 7     | 0.6  | 14    | 26.4 | 13    | 54.3 | 10    | 10.8 |
| 700  | 10323  | 441  | 10  | -0  | 10    | 10.8 | 12    | 31.2 | 10    | 26.1 | 9     | 15.3 |
| 500  | 19238  | 949  | -6  | -17 | 9     | 7.0  | 14    | 24.8 | 16    | 43.8 | 10    | 12.7 |
| 400  | 24868  | 1294 | -16 | -29 | 10    | 8.2  | 14    | 17.7 | 19    | 49.1 | 13    | 9.3  |
| 300  | 31781  | 1716 | -31 | -45 | 13    | 8.8  | 14    | 15.8 | 18    | 35.3 | 15    | 12.2 |
| 250  | 35928  | 1929 | -41 | .   | 12    | 8.8  | 15    | 14.8 | 19    | 24.1 | 16    | 11.9 |
| 200  | 40785  | 2123 | -53 | .   | 13    | 9.6  | 18    | 9.9  | 22    | 16.6 | 18    | 13.7 |
| 150  | 46684  | 2037 | -68 | .   | 14    | 8.7  | 16    | 8.2  | 25    | 16.1 | 21    | 11.7 |
| 100  | 54437  | 1354 | -77 | .   | 12    | 11.2 | 13    | 10.9 | 15    | 19.1 | 13    | 7.9  |
| 70   | 61101  | 597  | -76 | .   | 9     | 7.5  | 12    | 10.2 | 15    | 21.8 | 13    | 16.3 |
| 50   | 67569  | 62   | -67 | .   | 14    | 6.9  | 16    | 9.3  | 18    | 21.6 | 13    | 9.9  |
| 30   | 77896  | -348 | -59 | .   | 19    | 5.3  | 24    | 14.5 | 30    | 26.6 | 16    | 10.1 |
| 20   | 86515  | -366 | -52 | .   | 17    | 0.7  | 20    | 3.6  | 17    | 17.2 | 10    | 4.9  |
| 10   | 101407 | -478 | -40 | .   | 34    | 1.6  | 40    | 7.4  | 35    | 34.5 | 20    | 9.9  |

MAR Latitude= 2.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 0                 | 0.0             | 11                 | 36.1             | 10                | 56.1            | 9                  | 7.0              | 8                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 286         | -78          | 26         | 22         | 8                 | 1.6             | 12                 | 39.5             | 12                | 52.4            | 9                  | 5.4              | 10                | 0.3             | 4                  | 0.1              | 0                 | 0.0             | 2                  | 0.3              |
| 850         | 4928        | 148          | 19         | 9          | 8                 | 3.0             | 12                 | 26.6             | 13                | 48.7            | 10                 | 15.8             | 9                 | 2.5             | 7                  | 1.7              | 6                 | 0.6             | 6                  | 0.4              |
| 700         | 10317       | 435          | 11         | -2         | 8                 | 9.5             | 11                 | 21.9             | 11                | 25.0            | 9                  | 18.0             | 8                 | 9.9             | 7                  | 4.8              | 6                 | 3.8             | 8                  | 5.6              |
| 500         | 19237       | 948          | -5         | -18        | 9                 | 5.4             | 15                 | 25.8             | 15                | 44.5            | 10                 | 10.4             | 7                 | 4.0             | 7                  | 2.7              | 8                 | 2.7             | 9                  | 4.0              |
| 400         | 24869       | 1295         | -16        | -29        | 10                | 5.9             | 14                 | 19.1             | 19                | 47.4            | 13                 | 9.5              | 9                 | 3.0             | 11                 | 5.6              | 13                | 4.9             | 10                 | 4.1              |
| 300         | 31784       | 1719         | -31        | -45        | 13                | 7.0             | 15                 | 14.6             | 18                | 34.5            | 15                 | 12.4             | 11                | 6.1             | 13                 | 8.0              | 17                | 9.3             | 16                 | 7.5              |
| 250         | 35929       | 1930         | -41        | .          | 15                | 5.9             | 17                 | 15.1             | 19                | 25.1            | 17                 | 13.5             | 14                | 9.1             | 16                 | 9.0              | 20                | 12.7            | 22                 | 9.0              |
| 200         | 40785       | 2123         | -53        | .          | 17                | 7.4             | 18                 | 11.7             | 21                | 19.0            | 20                 | 10.9             | 15                | 9.6             | 15                 | 10.9             | 23                | 17.2            | 21                 | 12.5             |
| 150         | 46682       | 2035         | -68        | .          | 14                | 8.5             | 17                 | 7.4              | 26                | 17.0            | 21                 | 12.0             | 14                | 8.3             | 16                 | 13.0             | 20                | 21.7            | 21                 | 11.4             |
| 100         | 54437       | 1354         | -77        | .          | 12                | 9.0             | 13                 | 12.5             | 17                | 19.0            | 11                 | 10.8             | 10                | 7.2             | 12                 | 11.2             | 14                | 19.1            | 13                 | 10.1             |
| 70          | 61104       | 600          | -76        | .          | 9                 | 6.4             | 12                 | 11.8             | 15                | 24.1            | 12                 | 15.0             | 10                | 6.9             | 13                 | 9.4              | 17                | 17.0            | 17                 | 8.4              |
| 50          | 67574       | 67           | -67        | .          | 14                | 6.2             | 15                 | 10.8             | 19                | 22.0            | 12                 | 10.1             | 9                 | 5.3             | 15                 | 9.1              | 20                | 23.2            | 18                 | 12.7             |
| 30          | 77896       | -348         | -59        | .          | 17                | 6.4             | 25                 | 13.2             | 30                | 28.3            | 15                 | 10.3             | 15                | 6.2             | 20                 | 8.0              | 24                | 16.2            | 35                 | 10.1             |
| 20          | 86511       | -370         | -52        | .          | 20                | 1.7             | 15                 | 3.3              | 17                | 17.8            | 11                 | 4.5              | 14                | 3.8             | 13                 | 4.7              | 21                | 6.4             | 35                 | 7.2              |
| 10          | 101410      | -475         | -40        | .          | 40                | 3.5             | 30                 | 6.7              | 35                | 35.8            | 22                 | 9.0              | 29                | 7.7             | 26                 | 9.6              | 41                | 12.9            | 70                 | 14.5             |

MAR Latitude= 2.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 8                 | 5.1             | 9                  | 55.8             | 8                 | 34.5            | 7                  | 3.2              | 5                 | 0.6             | 2                  | 0.3              | 0                 | 0.0             | 6                  | 0.3              |
| 1000        | 291         | -73          | 26         | 23         | 9                 | 6.7             | 11                 | 54.9             | 10                | 33.8            | 8                  | 3.0              | 4                 | 0.4             | 3                  | 0.3              | 4                 | 0.1             | 6                  | 0.3              |
| 850         | 4929        | 149          | 19         | 10         | 7                 | 4.0             | 11                 | 19.3             | 13                | 52.4            | 10                 | 18.0             | 9                 | 2.5             | 6                  | 0.9              | 6                 | 1.2             | 4                  | 1.2              |
| 700         | 10314       | 432          | 11         | -2         | 8                 | 6.9             | 9                  | 16.9             | 10                | 24.3            | 10                 | 17.7             | 7                 | 12.4            | 7                  | 6.9              | 7                 | 6.1             | 7                  | 7.2              |
| 500         | 19236       | 947          | -5         | -17        | 10                | 5.4             | 14                 | 29.1             | 15                | 42.9            | 9                  | 8.7              | 7                 | 3.7             | 7                  | 2.9              | 8                 | 2.2             | 10                 | 4.3              |
| 400         | 24868       | 1294         | -16        | -29        | 10                | 6.2             | 16                 | 18.5             | 19                | 44.3            | 11                 | 9.8              | 10                | 3.8             | 12                 | 7.2              | 13                | 4.3             | 9                  | 5.1              |
| 300         | 31783       | 1718         | -32        | -44        | 11                | 5.9             | 16                 | 15.4             | 19                | 33.3            | 15                 | 12.5             | 11                | 6.6             | 16                 | 8.7              | 16                | 9.0             | 15                 | 7.9              |
| 250         | 35927       | 1928         | -41        | .          | 13                | 7.9             | 17                 | 11.4             | 19                | 26.2            | 17                 | 14.9             | 14                | 8.5             | 16                 | 10.9             | 22                | 11.6            | 21                 | 8.2              |
| 200         | 40783       | 2121         | -53        | .          | 13                | 6.7             | 18                 | 12.4             | 22                | 19.3            | 20                 | 12.0             | 16                | 9.8             | 19                 | 11.1             | 22                | 15.8            | 23                 | 12.0             |
| 150         | 46680       | 2033         | -68        | .          | 16                | 5.1             | 16                 | 10.1             | 26                | 17.2            | 22                 | 10.9             | 15                | 10.3            | 17                 | 14.3             | 21                | 18.8            | 19                 | 12.5             |
| 100         | 54434       | 1351         | -77        | .          | 12                | 8.8             | 13                 | 14.1             | 17                | 18.3            | 11                 | 11.1             | 9                 | 7.2             | 12                 | 14.0             | 15                | 15.9            | 14                 | 9.1              |
| 70          | 61101       | 597          | -76        | .          | 10                | 5.7             | 11                 | 14.8             | 15                | 25.6            | 12                 | 13.9             | 11                | 7.3             | 13                 | 9.3              | 19                | 14.8            | 13                 | 8.0              |
| 50          | 67572       | 65           | -67        | .          | 14                | 6.7             | 17                 | 10.3             | 19                | 24.1            | 11                 | 9.6              | 8                 | 4.3             | 17                 | 7.9              | 20                | 23.3            | 17                 | 13.2             |
| 30          | 77895       | -349         | -59        | .          | 17                | 6.6             | 26                 | 10.8             | 29                | 31.9            | 15                 | 11.2             | 13                | 3.8             | 18                 | 7.0              | 23                | 18.7            | 34                 | 9.5              |
| 20          | 86506       | -375         | -52        | .          | 23                | 1.8             | 16                 | 3.3              | 17                | 17.8            | 12                 | 4.7              | 15                | 2.5             | 12                 | 4.3              | 19                | 7.3             | 32                 | 7.5              |
| 10          | 101401      | -484         | -40        | .          | 46                | 3.8             | 33                 | 6.7              | 35                | 35.8            | 24                 | 9.6              | 30                | 5.1             | 25                 | 8.7              | 39                | 14.8            | 65                 | 15.1             |

MAR Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 17         | 0                 | 0.0             | 7                  | 0.6              | 10                | 66.4            | 8                  | 30.3             | 8                 | 2.2             | 2                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 281         | -83          | 29         | 19         | 0                 | 0.0             | 8                  | 2.7              | 12                | 59.0            | 9                  | 31.9             | 7                 | 3.7             | 5                  | 1.9              | 3                 | 0.3             | 2                  | 0.3              |
| 850         | 4930        | 150          | 20         | 12         | 3                 | 0.1             | 12                 | 7.9              | 13                | 60.9            | 10                 | 21.1             | 9                 | 6.9             | 6                  | 2.4              | 7                 | 0.1             | 2                  | 0.3              |
| 700         | 10329       | 447          | 10         | 1          | 8                 | 11.9            | 13                 | 40.3             | 13                | 21.9            | 10                 | 11.2             | 6                 | 4.6             | 7                  | 3.5              | 5                 | 2.2             | 5                  | 3.3              |
| 500         | 19245       | 956          | -6         | -19        | 10                | 8.5             | 14                 | 23.0             | 16                | 47.9            | 11                 | 9.5              | 7                 | 3.8             | 7                  | 1.4              | 6                 | 1.1             | 9                  | 3.7              |
| 400         | 24873       | 1299         | -16        | -30        | 12                | 9.3             | 14                 | 21.2             | 19                | 42.0            | 14                 | 10.1             | 10                | 3.7             | 13                 | 4.5              | 12                | 4.0             | 8                  | 4.6              |
| 300         | 31780       | 1715         | -31        | -45        | 14                | 9.5             | 15                 | 17.7             | 17                | 28.7            | 14                 | 12.0             | 11                | 6.1             | 11                 | 7.4              | 19                | 9.0             | 16                 | 8.7              |
| 250         | 35926       | 1927         | -41        | .          | 16                | 11.6            | 15                 | 13.0             | 17                | 18.2            | 16                 | 11.4             | 13                | 6.7             | 13                 | 10.8             | 20                | 12.9            | 21                 | 14.6             |
| 200         | 40782       | 2120         | -53        | .          | 16                | 9.5             | 15                 | 9.3              | 19                | 13.3            | 16                 | 12.4             | 13                | 6.6             | 14                 | 11.2             | 22                | 17.7            | 19                 | 19.5             |
| 150         | 46683       | 2036         | -68        | .          | 14                | 11.1            | 15                 | 5.8              | 20                | 14.0            | 22                 | 10.1             | 13                | 8.3             | 15                 | 9.6              | 21                | 23.3            | 20                 | 17.2             |
| 100         | 54430       | 1347         | -77        | .          | 13                | 12.0            | 12                 | 10.8             | 14                | 14.0            | 13                 | 11.6             | 9                 | 7.9             | 15                 | 10.4             | 15                | 18.3            | 13                 | 14.1             |
| 70          | 61097       | 593          | -76        | .          | 12                | 6.4             | 12                 | 10.0             | 15                | 20.4            | 13                 | 17.9             | 10                | 9.3             | 14                 | 10.9             | 19                | 14.5            | 15                 | 9.8              |
| 50          | 67570       | 63           | -66        | .          | 14                | 7.4             | 15                 | 9.1              | 19                | 22.2            | 14                 | 9.9              | 13                | 6.9             | 16                 | 11.1             | 16                | 18.8            | 17                 | 13.8             |
| 30          | 77915       | -329         | -59        | .          | 18                | 4.8             | 21                 | 14.8             | 29                | 25.0            | 18                 | 10.3             | 17                | 8.8             | 18                 | 10.3             | 21                | 12.7            | 26                 | 12.7             |
| 20          | 86538       | -343         | -52        | .          | 18                | 2.0             | 14                 | 3.3              | 16                | 14.7            | 12                 | 7.2              | 11                | 5.4             | 13                 | 3.5              | 18                | 5.2             | 26                 | 8.0              |
| 10          | 101418      | -467         | -40        | .          | 36                | 4.1             | 27                 | 6.7              | 32                | 29.6            | 24                 | 14.5             | 22                | 10.9            | 26                 | 7.0              | 36                | 10.6            | 52                 | 16.1             |

MAR Latitude= 5.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 20         | 0                 | 0.0             | 10                 | 9.3              | 11                | 71.9            | 10                 | 18.3             | 10                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 289         | -75          | 27         | 21         | 4                 | 0.9             | 12                 | 14.1             | 12                | 69.3            | 11                 | 13.2             | 5                 | 1.9             | 5                  | 0.1              | 0                 | 0.0             | 4                  | 0.1              |
| 850         | 4932        | 152          | 19         | 9          | 9                 | 1.4             | 15                 | 25.9             | 13                | 49.3            | 11                 | 14.6             | 8                 | 6.2             | 6                  | 1.4              | 5                 | 0.3             | 3                  | 0.1              |
| 700         | 10322       | 440          | 10         | -2         | 8                 | 10.4            | 13                 | 30.6             | 12                | 29.3            | 10                 | 12.9             | 7                 | 5.9             | 7                  | 4.1              | 4                 | 2.0             | 7                  | 2.9              |
| 500         | 19242       | 953          | -5         | -19        | 9                 | 8.3             | 14                 | 23.8             | 17                | 45.6            | 9                  | 9.1              | 8                 | 4.0             | 6                  | 1.7              | 6                 | 2.4             | 9                  | 4.3              |
| 400         | 24873       | 1299         | -16        | -30        | 10                | 11.9            | 14                 | 19.9             | 20                | 41.1            | 13                 | 9.9              | 10                | 3.8             | 12                 | 4.3              | 15                | 4.5             | 11                 | 3.8              |
| 300         | 31784       | 1719         | -32        | -45        | 15                | 9.9             | 15                 | 16.9             | 17                | 28.7            | 14                 | 9.5              | 13                | 7.2             | 15                 | 8.2              | 18                | 9.6             | 14                 | 9.1              |
| 250         | 35927       | 1928         | -41        | .          | 16                | 10.9            | 17                 | 12.7             | 18                | 18.3            | 15                 | 12.5             | 16                | 7.9             | 17                 | 12.5             | 21                | 12.7            | 21                 | 11.7             |
| 200         | 40781       | 2119         | -53        | .          | 18                | 9.3             | 17                 | 8.2              | 19                | 14.9            | 18                 | 11.4             | 14                | 8.5             | 18                 | 14.6             | 23                | 18.2            | 21                 | 14.1             |
| 150         | 46678       | 2031         | -68        | .          | 16                | 7.9             | 13                 | 7.0              | 22                | 14.5            | 20                 | 11.4             | 13                | 8.0             | 19                 | 13.5             | 21                | 22.4            | 19                 | 14.9             |
| 100         | 54430       | 1347         | -77        | .          | 13                | 10.3            | 13                 | 9.6              | 14                | 16.7            | 13                 | 11.1             | 10                | 8.2             | 14                 | 12.4             | 14                | 19.1            | 13                 | 12.2             |
| 70          | 61099       | 595          | -76        | .          | 12                | 5.9             | 12                 | 10.2             | 14                | 23.1            | 13                 | 15.7             | 10                | 10.2            | 14                 | 10.9             | 18                | 14.3            | 15                 | 8.9              |
| 50          | 67570       | 63           | -66        | .          | 15                | 6.9             | 15                 | 9.5              | 19                | 24.8            | 13                 | 9.8              | 12                | 5.6             | 15                 | 12.0             | 17                | 19.1            | 17                 | 11.7             |
| 30          | 77907       | -337         | -59        | .          | 23                | 6.2             | 23                 | 11.6             | 30                | 28.7            | 17                 | 8.8              | 15                | 8.3             | 17                 | 9.3              | 20                | 14.5            | 25                 | 11.7             |
| 20          | 86523       | -358         | -52        | .          | 20                | 3.0             | 14                 | 4.6              | 16                | 14.1            | 12                 | 7.6              | 9                 | 3.5             | 13                 | 3.1              | 15                | 5.2             | 26                 | 8.0              |
| 10          | 101413      | -472         | -40        | .          | 40                | 6.1             | 27                 | 9.3              | 32                | 28.3            | 25                 | 15.4             | 19                | 7.0             | 27                 | 6.4              | 31                | 10.6            | 52                 | 16.1             |

MAR Latitude= 5.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 24  | 9     | 0.3  | 11    | 57.4 | 9     | 37.4 | 7     | 4.1  | 4     | 0.6  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 300    | -64  | 25  | 22  | 6     | 2.2  | 13    | 54.9 | 10    | 35.6 | 7     | 4.8  | 5     | 1.2  | 5     | 0.1  | 0     | 0.0  | 5     | 0.4  |
| 850  | 4933   | 153  | 19  | 9   | 10    | 1.9  | 14    | 21.9 | 14    | 50.8 | 12    | 19.3 | 9     | 3.3  | 6     | 1.4  | 6     | 0.4  | 5     | 0.3  |
| 700  | 10317  | 435  | 11  | -4  | 8     | 7.9  | 11    | 26.4 | 11    | 28.7 | 10    | 17.0 | 7     | 6.6  | 8     | 5.3  | 5     | 4.0  | 6     | 2.9  |
| 500  | 19240  | 951  | -5  | -19 | 8     | 8.0  | 15    | 25.6 | 17    | 44.6 | 9     | 8.8  | 8     | 3.8  | 8     | 2.4  | 8     | 2.5  | 10    | 3.2  |
| 400  | 24873  | 1299 | -16 | -30 | 10    | 10.1 | 16    | 20.3 | 20    | 40.4 | 13    | 8.5  | 10    | 4.9  | 12    | 4.1  | 16    | 5.3  | 9     | 5.6  |
| 300  | 31787  | 1722 | -32 | -45 | 14    | 8.8  | 15    | 15.4 | 18    | 27.7 | 14    | 12.2 | 13    | 7.0  | 18    | 9.0  | 17    | 11.6 | 17    | 7.7  |
| 250  | 35928  | 1929 | -41 | .   | 17    | 8.8  | 17    | 11.7 | 19    | 19.1 | 16    | 12.9 | 16    | 10.1 | 20    | 11.1 | 20    | 15.6 | 21    | 10.3 |
| 200  | 40783  | 2121 | -53 | .   | 17    | 8.2  | 18    | 8.8  | 19    | 15.6 | 18    | 12.2 | 15    | 8.7  | 21    | 15.3 | 22    | 18.2 | 23    | 12.7 |
| 150  | 46678  | 2031 | -68 | .   | 16    | 6.7  | 14    | 7.9  | 22    | 13.5 | 22    | 14.1 | 15    | 8.2  | 20    | 16.4 | 21    | 21.6 | 21    | 11.2 |
| 100  | 54435  | 1352 | -77 | .   | 13    | 9.3  | 13    | 11.1 | 15    | 17.4 | 12    | 11.6 | 10    | 9.6  | 13    | 13.2 | 15    | 17.4 | 13    | 9.8  |
| 70   | 61104  | 600  | -76 | .   | 9     | 5.7  | 13    | 10.7 | 15    | 24.7 | 12    | 14.5 | 12    | 8.4  | 13    | 9.3  | 16    | 16.4 | 13    | 9.4  |
| 50   | 67574  | 67   | -67 | .   | 15    | 6.4  | 16    | 9.6  | 20    | 23.8 | 12    | 12.0 | 10    | 4.5  | 15    | 9.0  | 16    | 21.9 | 15    | 11.7 |
| 30   | 77903  | -341 | -59 | .   | 24    | 6.1  | 21    | 10.6 | 31    | 30.4 | 15    | 9.8  | 12    | 7.7  | 16    | 8.5  | 21    | 16.1 | 23    | 10.3 |
| 20   | 86514  | -367 | -52 | .   | 19    | 3.6  | 15    | 3.6  | 15    | 16.7 | 12    | 5.4  | 13    | 2.0  | 11    | 2.8  | 16    | 6.8  | 22    | 8.3  |
| 10   | 101410 | -475 | -40 | .   | 38    | 7.4  | 31    | 7.4  | 30    | 33.5 | 24    | 10.9 | 25    | 4.1  | 22    | 5.8  | 31    | 13.8 | 43    | 16.7 |

MAR Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 14  | 0     | 0.0  | 8     | 0.6  | 8     | 40.3 | 8     | 49.3 | 8     | 9.6  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 304    | -60  | 29  | 19  | 5     | 0.1  | 7     | 1.7  | 10    | 29.1 | 10    | 46.4 | 10    | 18.8 | 8     | 3.2  | 5     | 0.1  | 0     | 0.0  |
| 850  | 4930   | 150  | 21  | 13  | 0     | 0.0  | 10    | 2.7  | 13    | 38.7 | 12    | 36.1 | 10    | 18.8 | 9     | 3.2  | 0     | 0.0  | 5     | 0.1  |
| 700  | 10335  | 453  | 10  | 4   | 8     | 10.1 | 10    | 35.4 | 12    | 22.5 | 9     | 9.8  | 8     | 6.4  | 8     | 4.3  | 6     | 4.8  | 6     | 4.9  |
| 500  | 19260  | 971  | -6  | -19 | 10    | 9.8  | 13    | 23.3 | 16    | 42.0 | 12    | 10.1 | 8     | 3.7  | 10    | 2.5  | 7     | 2.7  | 7     | 5.1  |
| 400  | 24879  | 1305 | -17 | -30 | 13    | 12.2 | 14    | 18.2 | 17    | 35.6 | 14    | 10.3 | 11    | 5.6  | 9     | 3.8  | 11    | 7.4  | 8     | 6.2  |
| 300  | 31775  | 1710 | -32 | -45 | 17    | 12.5 | 16    | 14.1 | 16    | 24.1 | 14    | 11.2 | 12    | 6.2  | 12    | 7.2  | 18    | 11.7 | 16    | 12.0 |
| 250  | 35923  | 1924 | -42 | .   | 18    | 10.6 | 15    | 11.6 | 18    | 12.9 | 14    | 10.8 | 12    | 6.7  | 14    | 12.5 | 21    | 15.1 | 21    | 19.0 |
| 200  | 40778  | 2116 | -53 | .   | 16    | 10.6 | 13    | 8.5  | 18    | 13.0 | 17    | 7.9  | 12    | 7.9  | 17    | 9.1  | 22    | 23.0 | 21    | 19.6 |
| 150  | 46682  | 2035 | -68 | .   | 14    | 10.6 | 16    | 6.1  | 15    | 9.8  | 20    | 9.6  | 13    | 5.4  | 16    | 12.2 | 21    | 22.9 | 21    | 22.5 |
| 100  | 54420  | 1337 | -77 | .   | 13    | 12.4 | 12    | 9.9  | 13    | 11.7 | 16    | 9.0  | 12    | 6.4  | 14    | 13.2 | 15    | 19.5 | 16    | 17.2 |
| 70   | 61087  | 583  | -76 | .   | 13    | 8.4  | 12    | 9.1  | 15    | 18.9 | 13    | 17.2 | 11    | 11.8 | 13    | 10.2 | 17    | 12.7 | 14    | 11.1 |
| 50   | 67575  | 68   | -66 | .   | 14    | 7.7  | 14    | 8.3  | 19    | 22.4 | 14    | 13.2 | 13    | 8.3  | 15    | 11.4 | 15    | 14.6 | 13    | 13.5 |
| 30   | 77932  | -312 | -58 | .   | 18    | 6.4  | 20    | 11.6 | 26    | 27.7 | 19    | 10.1 | 14    | 8.5  | 16    | 9.9  | 17    | 11.7 | 19    | 13.3 |
| 20   | 86559  | -322 | -52 | .   | 16    | 2.8  | 10    | 3.5  | 13    | 12.6 | 15    | 9.7  | 10    | 3.1  | 11    | 4.1  | 14    | 3.8  | 17    | 9.6  |
| 10   | 101432 | -453 | -40 | .   | 31    | 5.8  | 21    | 7.0  | 26    | 25.4 | 30    | 19.6 | 19    | 6.4  | 22    | 8.3  | 28    | 7.7  | 34    | 19.3 |

MAR Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 16  | 0     | 0.0  | 9     | 55.4 | 8     | 4.1  | 0     | 0.0  |
| 1000 | 308    | -56  | 28  | 19  | 5     | 0.3  | 11    | 46.9 | 10    | 8.5  | 4     | 0.3  |
| 850  | 4938   | 158  | 19  | 12  | 9     | 0.6  | 13    | 45.9 | 10    | 11.1 | 4     | 0.3  |
| 700  | 10333  | 451  | 10  | 0   | 9     | 10.1 | 13    | 27.7 | 9     | 5.4  | 5     | 3.8  |
| 500  | 19253  | 964  | -6  | -19 | 9     | 9.0  | 16    | 43.0 | 8     | 4.5  | 7     | 4.5  |
| 400  | 24877  | 1303 | -17 | -31 | 12    | 15.9 | 19    | 31.9 | 11    | 4.6  | 13    | 6.7  |
| 300  | 31776  | 1711 | -32 | -46 | 16    | 12.9 | 16    | 19.9 | 14    | 7.5  | 18    | 12.7 |
| 250  | 35922  | 1923 | -42 | .   | 17    | 11.1 | 18    | 14.1 | 13    | 10.1 | 21    | 17.0 |
| 200  | 40776  | 2114 | -53 | .   | 17    | 11.1 | 19    | 11.2 | 15    | 10.1 | 22    | 22.2 |
| 150  | 46678  | 2031 | -68 | .   | 16    | 8.3  | 19    | 9.3  | 13    | 7.4  | 22    | 24.6 |
| 100  | 54422  | 1339 | -77 | .   | 15    | 9.3  | 14    | 12.4 | 11    | 8.2  | 16    | 19.5 |
| 70   | 61094  | 590  | -76 | .   | 10    | 5.7  | 12    | 8.2  | 11    | 11.6 | 15    | 14.3 |
| 50   | 67577  | 70   | -66 | .   | 13    | 8.7  | 15    | 25.6 | 13    | 7.0  | 16    | 12.0 |
| 30   | 77929  | -315 | -59 | .   | 19    | 10.3 | 28    | 30.6 | 17    | 6.6  | 17    | 13.0 |
| 20   | 86552  | -329 | -52 | .   | 17    | 5.5  | 13    | 12.8 | 8     | 3.0  | 14    | 4.9  |
| 10   | 101432 | -453 | -40 | .   | 33    | 11.2 | 27    | 25.8 | 17    | 6.1  | 27    | 9.9  |

MAR Latitude= 7.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 23  | 6     | 0.6  | 11    | 43.8 | 9     | 2.5  | 0     | 0.0  |
| 1000 | 312    | -52  | 26  | 21  | 5     | 0.9  | 12    | 46.9 | 8     | 4.3  | 1     | 0.1  |
| 850  | 4941   | 161  | 18  | 9   | 8     | 2.0  | 13    | 42.2 | 10    | 9.9  | 4     | 0.4  |
| 700  | 10325  | 443  | 10  | -3  | 8     | 5.6  | 13    | 34.1 | 7     | 5.1  | 6     | 1.2  |
| 500  | 19249  | 960  | -5  | -20 | 11    | 7.7  | 17    | 44.3 | 8     | 4.8  | 7     | 4.5  |
| 400  | 24876  | 1302 | -16 | -31 | 11    | 14.9 | 20    | 29.9 | 12    | 4.8  | 14    | 6.7  |
| 300  | 31781  | 1716 | -32 | -46 | 17    | 11.4 | 18    | 17.2 | 15    | 7.5  | 18    | 13.5 |
| 250  | 35923  | 1924 | -41 | .   | 19    | 11.4 | 18    | 13.3 | 17    | 11.2 | 22    | 17.9 |
| 200  | 40778  | 2116 | -53 | .   | 18    | 8.2  | 19    | 10.3 | 16    | 11.9 | 25    | 22.7 |
| 150  | 46676  | 2029 | -68 | .   | 17    | 6.9  | 19    | 8.5  | 16    | 9.1  | 21    | 16.2 |
| 100  | 54431  | 1348 | -77 | .   | 13    | 8.8  | 13    | 7.9  | 11    | 9.1  | 13    | 15.6 |
| 70   | 61104  | 600  | -76 | .   | 10    | 3.5  | 15    | 23.4 | 11    | 10.9 | 16    | 20.1 |
| 50   | 67578  | 71   | -66 | .   | 13    | 7.2  | 20    | 26.2 | 11    | 6.9  | 15    | 10.4 |
| 30   | 77916  | -328 | -59 | .   | 21    | 8.3  | 29    | 32.4 | 12    | 7.4  | 14    | 10.3 |
| 20   | 86532  | -349 | -52 | .   | 19    | 5.4  | 13    | 15.2 | 10    | 2.6  | 14    | 5.7  |
| 10   | 101425 | -460 | -41 | .   | 38    | 10.9 | 26    | 30.6 | 21    | 5.4  | 27    | 11.6 |

APR Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 29         | 26         | 0                 | 0.0             | 8                  | 2.6              | 9                 | 29.6            | 8                  | 22.9             | 9                 | 35.3            | 8                  | 8.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 271         | -93          | 28         | 25         | 3                 | 0.1             | 8                  | 4.9              | 10                | 33.6            | 9                  | 27.1             | 10                | 25.1            | 8                  | 6.3              | 5                 | 0.8             | 3                  | 0.3              |
| 850         | 4913        | 133          | 19         | 12         | 4                 | 3.4             | 7                  | 9.6              | 9                 | 18.8            | 9                  | 21.4             | 8                 | 20.3            | 7                  | 16.4             | 7                 | 6.3             | 3                  | 1.4              |
| 700         | 10276       | 394          | 10         | 0          | 8                 | 13.3            | 8                  | 20.9             | 8                 | 16.6            | 8                  | 15.4             | 7                 | 8.9             | 5                  | 7.4              | 8                 | 7.6             | 6                  | 7.4              |
| 500         | 19154       | 865          | -5         | -15        | 7                 | 8.8             | 12                 | 26.4             | 13                | 40.1            | 9                  | 9.3              | 6                 | 2.6             | 7                  | 1.9              | 8                 | 3.6             | 8                  | 6.1              |
| 400         | 24766       | 1192         | -16        | -27        | 10                | 7.1             | 12                 | 19.1             | 16                | 45.4            | 10                 | 11.9             | 9                 | 4.4             | 8                  | 4.3              | 7                 | 2.4             | 8                  | 3.8              |
| 300         | 31661       | 1596         | -31        | -43        | 10                | 8.9             | 12                 | 12.8             | 17                | 28.6            | 12                 | 15.9             | 11                | 7.1             | 10                 | 6.9              | 12                | 10.1            | 12                 | 7.9              |
| 250         | 35797       | 1798         | -41        |            | 12                | 8.3             | 15                 | 9.8              | 18                | 17.4            | 16                 | 13.8             | 11                | 9.9             | 16                 | 11.9             | 15                | 16.3            | 14                 | 11.4             |
| 200         | 40644       | 1982         | -53        |            | 12                | 8.3             | 12                 | 8.9              | 20                | 12.8            | 16                 | 10.9             | 14                | 8.9             | 19                 | 14.9             | 19                | 24.3            | 18                 | 9.6              |
| 150         | 46525       | 1878         | -67        |            | 14                | 7.1             | 15                 | 6.8              | 21                | 14.9            | 17                 | 9.3              | 11                | 6.6             | 15                 | 15.8             | 20                | 26.6            | 17                 | 11.4             |
| 100         | 54246       | 1163         | -77        |            | 10                | 9.1             | 11                 | 11.3             | 17                | 12.5            | 10                 | 8.4              | 10                | 7.6             | 14                 | 12.8             | 17                | 23.6            | 16                 | 13.3             |
| 70          | 60872       | 368          | -76        |            | 12                | 6.8             | 13                 | 8.5              | 12                | 11.8            | 12                 | 12.7             | 11                | 9.2             | 14                 | 14.1             | 21                | 26.0            | 20                 | 9.7              |
| 50          | 67331       | -176         | -66        |            | 12                | 6.8             | 20                 | 9.9              | 19                | 20.5            | 11                 | 6.4              | 8                 | 4.9             | 17                 | 11.2             | 20                | 27.9            | 17                 | 11.1             |
| 30          | 77631       | -613         | -58        |            | 17                | 8.1             | 26                 | 14.9             | 39                | 27.7            | 14                 | 5.1              | 8                 | 3.8             | 17                 | 13.1             | 19                | 15.1            | 17                 | 10.7             |
| 20          | 86305       | -576         | -50        |            | 23                | 1.0             | 16                 | 2.8              | 18                | 24.1            | 14                 | 3.2              | 26                | 1.8             | 22                 | 5.7              | 23                | 8.2             | 23                 | 1.8              |
| 10          | 100739      | -1146        | -38        |            | 46                | 2.0             | 31                 | 5.8              | 36                | 48.3            | 28                 | 6.6              | 52                | 3.7             | 44                 | 11.6             | 46                | 16.6            | 46                 | 3.7              |

APR Latitude= 0.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 29         | 25         | 3                 | 0.6             | 8                  | 17.3             | 6                 | 21.3            | 6                  | 18.3             | 8                 | 28.6            | 7                  | 10.6             | 3                 | 0.6             | 0                  | 0.0              |
| 1000        | 276         | -88          | 27         | 24         | 5                 | 1.8             | 9                  | 16.4             | 8                 | 29.4            | 8                  | 21.4             | 8                 | 18.6            | 7                  | 8.1              | 3                 | 1.6             | 5                  | 0.8              |
| 850         | 4912        | 132          | 19         | 12         | 4                 | 3.1             | 6                  | 7.1              | 8                 | 21.3            | 8                  | 19.1             | 7                 | 13.6            | 8                  | 17.1             | 7                 | 12.1            | 6                  | 4.1              |
| 700         | 10273       | 391          | 10         | -1         | 7                 | 17.6            | 8                  | 14.9             | 7                 | 10.8            | 8                  | 15.6             | 7                 | 9.8             | 6                  | 8.3              | 7                 | 8.1             | 7                  | 12.9             |
| 500         | 19153       | 864          | -5         | -15        | 8                 | 6.9             | 11                 | 27.9             | 13                | 36.9            | 9                  | 9.6              | 7                 | 2.6             | 5                  | 2.1              | 8                 | 5.3             | 8                  | 7.1              |
| 400         | 24765       | 1191         | -16        | -27        | 10                | 6.9             | 11                 | 18.1             | 16                | 42.3            | 11                 | 13.1             | 7                 | 4.9             | 8                  | 4.8              | 6                 | 2.4             | 8                  | 6.4              |
| 300         | 31662       | 1597         | -31        | -43        | 10                | 5.6             | 13                 | 13.3             | 17                | 29.8            | 13                 | 12.8             | 10                | 8.6             | 10                 | 7.8              | 12                | 9.6             | 12                 | 11.1             |
| 250         | 35797       | 1798         | -41        |            | 14                | 9.1             | 17                 | 9.8              | 18                | 18.9            | 15                 | 12.8             | 12                | 10.9            | 15                 | 11.3             | 17                | 14.9            | 16                 | 11.1             |
| 200         | 40643       | 1981         | -53        |            | 14                | 9.3             | 16                 | 7.3              | 19                | 14.9            | 17                 | 9.3              | 15                | 8.6             | 18                 | 15.4             | 20                | 22.6            | 18                 | 11.3             |
| 150         | 46524       | 1877         | -67        |            | 13                | 7.6             | 14                 | 8.1              | 23                | 15.8            | 17                 | 7.1              | 14                | 7.3             | 16                 | 14.4             | 20                | 25.1            | 16                 | 13.4             |
| 100         | 54244       | 1161         | -77        |            | 9                 | 8.6             | 13                 | 10.1             | 17                | 12.3            | 11                 | 9.1              | 9                 | 7.6             | 14                 | 13.8             | 17                | 23.1            | 14                 | 14.1             |
| 70          | 60871       | 367          | -76        |            | 11                | 4.3             | 12                 | 11.0             | 11                | 13.9            | 12                 | 12.0             | 10                | 7.5             | 15                 | 11.5             | 19                | 26.7            | 20                 | 12.0             |
| 50          | 67331       | -176         | -66        |            | 10                | 6.4             | 18                 | 12.4             | 19                | 18.3            | 10                 | 6.4              | 9                 | 3.5             | 15                 | 11.1             | 20                | 30.1            | 18                 | 10.5             |
| 30          | 77634       | -610         | -58        |            | 14                | 7.7             | 25                 | 15.9             | 37                | 26.6            | 14                 | 6.1              | 11                | 4.9             | 15                 | 10.5             | 18                | 18.1            | 17                 | 9.0              |
| 20          | 86308       | -573         | -50        |            | 28                | 1.4             | 14                 | 3.2              | 18                | 23.6            | 14                 | 3.0              | 23                | 2.0             | 22                 | 5.7              | 22                | 7.6             | 28                 | 2.0              |
| 10          | 100739      | -1146        | -39        |            | 56                | 2.9             | 27                 | 6.6              | 36                | 47.4            | 28                 | 6.2              | 47                | 4.1             | 45                 | 11.6             | 44                | 15.4            | 56                 | 4.1              |

APR Latitude= 0.00 Longitude= 50.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |       | 28  | 25  | 5     | 3.9  | 5     | 11.3 | 6     | 22.9 | 4     | 2.6  |
| 1000 | 277    | -87   | 27  | 24  | 6     | 4.1  | 7     | 17.3 | 7     | 14.9 | 5     | 4.1  |
| 850  | 4911   | 131   | 19  | 12  | 5     | 4.4  | 8     | 18.3 | 7     | 11.9 | 8     | 13.6 |
| 700  | 10271  | 389   | 11  | -1  | 8     | 12.9 | 6     | 12.8 | 6     | 9.4  | 9     | 10.4 |
| 500  | 19151  | 862   | -5  | -15 | 9     | 6.1  | 12    | 37.5 | 6     | 2.9  | 9     | 8.1  |
| 400  | 24765  | 1191  | -16 | -28 | 9     | 8.4  | 16    | 39.9 | 8     | 4.6  | 8     | 4.4  |
| 300  | 31661  | 1596  | -31 | -43 | 11    | 4.8  | 17    | 29.8 | 11    | 7.6  | 13    | 9.8  |
| 250  | 35797  | 1798  | -41 |     | 15    | 7.9  | 18    | 19.6 | 12    | 8.8  | 15    | 17.3 |
| 200  | 40643  | 1981  | -53 |     | 16    | 8.1  | 19    | 16.6 | 14    | 8.3  | 19    | 23.3 |
| 150  | 46523  | 1876  | -67 |     | 15    | 7.6  | 23    | 15.9 | 14    | 6.9  | 20    | 25.1 |
| 100  | 54245  | 1162  | -77 |     | 10    | 7.1  | 16    | 12.3 | 11    | 6.4  | 17    | 24.8 |
| 70   | 60872  | 368   | -76 |     | 11    | 5.9  | 11    | 14.5 | 8     | 6.1  | 14    | 11.5 |
| 50   | 67331  | -176  | -66 |     | 11    | 2.5  | 18    | 20.5 | 9     | 3.3  | 15    | 12.7 |
| 30   | 77634  | -610  | -57 |     | 11    | 5.7  | 36    | 28.7 | 11    | 4.8  | 14    | 13.7 |
| 20   | 86308  | -573  | -50 |     | 29    | 2.0  | 17    | 22.8 | 26    | 1.6  | 21    | 7.2  |
| 10   | 100741 | -1144 | -39 |     | 58    | 4.1  | 35    | 45.8 | 53    | 3.3  | 41    | 11.6 |

APR Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |       | 30  | 22  | 0     | 0.0  | 9     | 25.6 | 8     | 33.3 | 0     | 0.0  |
| 1000 | 266    | -98   | 29  | 23  | 2     | 0.1  | 10    | 27.1 | 10    | 27.1 | 2     | 0.1  |
| 850  | 4912   | 132   | 19  | 14  | 3     | 0.4  | 10    | 25.3 | 9     | 18.6 | 9     | 3.9  |
| 700  | 10279  | 397   | 10  | 1   | 7     | 12.5 | 9     | 18.4 | 7     | 6.8  | 6     | 5.1  |
| 500  | 19155  | 866   | -5  | -16 | 9     | 8.9  | 14    | 44.4 | 7     | 2.3  | 6     | 2.1  |
| 400  | 24764  | 1190  | -16 | -28 | 10    | 7.1  | 17    | 44.6 | 9     | 5.4  | 9     | 3.1  |
| 300  | 31656  | 1591  | -31 | -43 | 11    | 8.3  | 18    | 26.1 | 11    | 10.1 | 12    | 10.1 |
| 250  | 35794  | 1795  | -41 |     | 14    | 8.8  | 17    | 16.4 | 13    | 10.1 | 17    | 15.8 |
| 200  | 40642  | 1980  | -53 |     | 12    | 7.6  | 17    | 12.9 | 14    | 9.4  | 22    | 21.3 |
| 150  | 46522  | 1875  | -67 |     | 14    | 8.8  | 20    | 13.4 | 13    | 6.8  | 20    | 25.9 |
| 100  | 54243  | 1160  | -77 |     | 10    | 10.3 | 12    | 12.5 | 11    | 7.3  | 15    | 11.9 |
| 70   | 60866  | 362   | -76 |     | 11    | 5.7  | 12    | 10.8 | 13    | 8.2  | 16    | 14.1 |
| 50   | 67322  | -185  | -66 |     | 13    | 6.4  | 18    | 20.1 | 10    | 4.0  | 18    | 10.5 |
| 30   | 77630  | -614  | -57 |     | 19    | 9.2  | 33    | 28.8 | 13    | 3.7  | 21    | 12.7 |
| 20   | 86308  | -573  | -50 |     | 18    | 1.6  | 17    | 23.9 | 24    | 2.0  | 23    | 7.4  |
| 10   | 100742 | -1143 | -38 |     | 36    | 3.3  | 34    | 47.9 | 48    | 4.1  | 46    | 14.9 |

APR Latitude= 2.50 Longitude= 47.50

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |       | 28  | 25  | 0     | 0.0  | 8     | 28.3 | 9     | 28.3 | 0     | 0.0  |
| 1000 | 275    | -89   | 27  | 24  | 0     | 0.0  | 10    | 35.6 | 9     | 21.6 | 3     | 0.6  |
| 850  | 4911   | 131   | 19  | 11  | 4     | 4.3  | 10    | 24.8 | 8     | 15.3 | 9     | 11.1 |
| 700  | 10271  | 393   | 10  | -1  | 8     | 20.3 | 8     | 17.3 | 6     | 5.6  | 5     | 5.8  |
| 500  | 19154  | 865   | -5  | -16 | 8     | 6.6  | 14    | 42.1 | 9     | 1.9  | 10    | 3.4  |
| 400  | 24766  | 1192  | -16 | -28 | 11    | 7.6  | 17    | 43.8 | 10    | 4.4  | 10    | 2.8  |
| 300  | 31661  | 1596  | -31 | -44 | 10    | 8.8  | 19    | 26.6 | 10    | 10.3 | 14    | 10.3 |
| 250  | 35797  | 1798  | -41 |     | 15    | 9.1  | 19    | 18.1 | 13    | 11.6 | 18    | 14.4 |
| 200  | 40642  | 1980  | -53 |     | 15    | 8.6  | 18    | 15.1 | 14    | 8.6  | 23    | 19.3 |
| 150  | 46522  | 1875  | -67 |     | 15    | 9.3  | 20    | 15.3 | 13    | 7.4  | 20    | 24.4 |
| 100  | 54247  | 1164  | -77 |     | 10    | 7.8  | 17    | 12.3 | 10    | 6.3  | 17    | 22.6 |
| 70   | 60870  | 366   | -76 |     | 10    | 5.9  | 11    | 14.8 | 11    | 7.6  | 23    | 25.1 |
| 50   | 67325  | -182  | -66 |     | 11    | 5.5  | 18    | 20.7 | 11    | 3.5  | 17    | 11.6 |
| 30   | 77628  | -616  | -57 |     | 15    | 8.8  | 35    | 28.5 | 11    | 5.1  | 19    | 15.9 |
| 20   | 86306  | -575  | -50 |     | 23    | 2.0  | 17    | 23.5 | 24    | 1.4  | 22    | 8.0  |
| 10   | 100748 | -1137 | -38 |     | 45    | 4.1  | 33    | 47.0 | 49    | 2.9  | 44    | 11.2 |

APR Latitude= 2.50 Longitude= 50.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |       | 28  | 25  | 5     | 2.3  | 5     | 20.3 | 6     | 18.9 | 5     | 3.3  |
| 1000 | 279    | -85   | 27  | 24  | 5     | 4.1  | 8     | 25.9 | 7     | 14.8 | 5     | 3.9  |
| 850  | 4911   | 131   | 19  | 11  | 5     | 3.9  | 10    | 25.8 | 7     | 10.8 | 8     | 11.6 |
| 700  | 10271  | 389   | 10  | -1  | 8     | 21.6 | 8     | 16.3 | 6     | 6.9  | 6     | 6.1  |
| 500  | 19153  | 864   | -5  | -16 | 7     | 6.4  | 14    | 42.3 | 6     | 2.1  | 10    | 6.4  |
| 400  | 24765  | 1191  | -16 | -29 | 10    | 7.1  | 17    | 42.6 | 7     | 4.4  | 7     | 3.9  |
| 300  | 31661  | 1596  | -31 | -44 | 10    | 7.9  | 18    | 27.1 | 10    | 9.4  | 14    | 10.6 |
| 250  | 35796  | 1797  | -41 |     | 14    | 8.4  | 19    | 17.4 | 12    | 8.8  | 17    | 16.1 |
| 200  | 40641  | 1979  | -53 |     | 17    | 7.3  | 20    | 15.6 | 13    | 7.9  | 22    | 21.6 |
| 150  | 46519  | 1872  | -67 |     | 14    | 10.1 | 20    | 16.1 | 13    | 6.9  | 19    | 23.6 |
| 100  | 54244  | 1161  | -77 |     | 10    | 6.4  | 17    | 12.5 | 10    | 7.6  | 16    | 21.8 |
| 70   | 60868  | 364   | -76 |     | 9     | 6.9  | 12    | 17.1 | 9     | 6.4  | 21    | 22.7 |
| 50   | 67325  | -182  | -66 |     | 10    | 4.2  | 19    | 21.6 | 12    | 3.3  | 20    | 27.9 |
| 30   | 77628  | -616  | -57 |     | 14    | 4.4  | 35    | 32.4 | 11    | 5.1  | 19    | 15.1 |
| 20   | 86306  | -575  | -50 |     | 27    | 1.6  | 17    | 22.8 | 24    | 1.1  | 20    | 8.9  |
| 10   | 100747 | -1138 | -38 |     | 54    | 3.3  | 34    | 45.8 | 49    | 2.4  | 41    | 17.9 |

APR Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 29         | 20         | 0                 | 0.0             | 0                  | 0.0              | 9                 | 23.6            | 8                  | 34.6             | 7                 | 31.6            | 8                  | 8.9              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 277         | -87          | 29         | 22         | 0                 | 0.0             | 6                  | 1.1              | 10                | 19.8            | 9                  | 37.6             | 9                 | 27.1            | 9                  | 12.9             | 5                 | 0.4             | 0                  | 0.0              |
| 850         | 4911        | 131          | 20         | 15         | 4                 | 0.1             | 12                 | 1.6              | 11                | 26.3            | 9                  | 23.8             | 10                | 24.4            | 11                 | 21.3             | 9                 | 1.3             | 3                  | 0.3              |
| 700         | 10285       | 403          | 10         | 3          | 6                 | 10.8            | 10                 | 37.5             | 10                | 17.6            | 7                  | 7.4              | 7                 | 5.1             | 7                  | 6.4              | 5                 | 6.9             | 5                  | 6.9              |
| 500         | 19161       | 872          | -5         | -17        | 9                 | 8.8             | 12                 | 23.1             | 15                | 42.8            | 10                 | 9.9              | 7                 | 2.9             | 6                  | 1.8              | 7                 | 2.6             | 8                  | 6.9              |
| 400         | 24767       | 1193         | -16        | -29        | 11                | 8.1             | 13                 | 18.4             | 18                | 37.1            | 13                 | 14.1             | 12                | 4.8             | 10                 | 5.3              | 9                 | 7.1             | 10                 | 3.8              |
| 300         | 31654       | 1589         | -31        | -44        | 14                | 9.4             | 17                 | 11.3             | 17                | 23.1            | 15                 | 14.8             | 12                | 9.8             | 15                 | 14.4             | 15                | 8.8             | 13                 | 7.3              |
| 250         | 35791       | 1792         | -41        | .          | 17                | 10.4            | 18                 | 8.6              | 16                | 14.6            | 16                 | 13.4             | 14                | 12.1            | 19                 | 16.9             | 19                | 11.4            | 17                 | 10.6             |
| 200         | 40637       | 1975         | -53        | .          | 14                | 11.6            | 14                 | 8.1              | 15                | 11.4            | 16                 | 9.8              | 14                | 11.4            | 20                 | 14.9             | 23                | 16.1            | 17                 | 15.3             |
| 150         | 46518       | 1871         | -67        | .          | 15                | 10.4            | 12                 | 8.8              | 16                | 11.8            | 18                 | 7.9              | 13                | 8.3             | 16                 | 15.1             | 21                | 21.8            | 16                 | 14.9             |
| 100         | 54236       | 1153         | -77        | .          | 12                | 9.3             | 13                 | 10.9             | 17                | 13.8            | 13                 | 7.8              | 11                | 8.3             | 13                 | 16.6             | 16                | 18.9            | 15                 | 13.1             |
| 70          | 60859       | 355          | -76        | .          | 13                | 6.9             | 13                 | 10.1             | 13                | 16.2            | 13                 | 11.5             | 12                | 10.3            | 16                 | 11.3             | 23                | 19.4            | 17                 | 13.2             |
| 50          | 67318       | -189         | -66        | .          | 16                | 7.7             | 20                 | 16.4             | 20                | 19.2            | 12                 | 6.8              | 12                | 4.6             | 17                 | 11.2             | 20                | 20.5            | 14                 | 12.4             |
| 30          | 77641       | -603         | -57        | .          | 19                | 9.8             | 28                 | 17.4             | 33                | 29.8            | 16                 | 5.1              | 14                | 4.6             | 16                 | 10.5             | 19                | 12.4            | 17                 | 9.6              |
| 20          | 86326       | -555         | -50        | .          | 12                | 2.4             | 13                 | 3.5              | 15                | 21.4            | 10                 | 4.7              | 22                | 1.8             | 19                 | 3.9              | 19                | 7.6             | 12                 | 3.5              |
| 10          | 100759      | -1126        | -38        | .          | 25                | 4.9             | 26                 | 7.0              | 30                | 42.9            | 20                 | 9.5              | 45                | 3.7             | 38                 | 7.9              | 38                | 15.4            | 25                 | 7.0              |

APR Latitude= 5.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 29         | 22         | 0                 | 0.0             | 8                  | 2.6              | 9                 | 33.3            | 9                  | 34.3             | 8                 | 24.3            | 8                  | 3.9              | 2                 | 0.3             | 0                  | 0.0              |
| 1000        | 275         | -89          | 28         | 22         | 0                 | 0.0             | 10                 | 4.4              | 11                | 37.6            | 10                 | 29.9             | 9                 | 20.1            | 9                  | 6.1              | 6                 | 0.3             | 4                  | 0.3              |
| 850         | 4912        | 132          | 19         | 12         | 4                 | 1.8             | 10                 | 10.4             | 10                | 31.4            | 8                  | 15.1             | 8                 | 11.4            | 9                  | 17.4             | 8                 | 8.9             | 4                  | 1.8              |
| 700         | 10279       | 397          | 10         | 0          | 9                 | 16.4            | 11                 | 34.9             | 10                | 17.6            | 7                  | 5.3              | 7                 | 5.3             | 7                  | 4.4              | 5                 | 5.8             | 6                  | 8.3              |
| 500         | 19158       | 869          | -5         | -18        | 9                 | 9.3             | 13                 | 25.3             | 16                | 42.6            | 10                 | 8.6              | 8                 | 2.3             | 6                  | 0.8              | 7                 | 2.3             | 9                  | 7.8              |
| 400         | 24769       | 1195         | -16        | -29        | 11                | 8.1             | 14                 | 18.3             | 18                | 37.8            | 13                 | 15.1             | 10                | 4.3             | 11                 | 4.8              | 8                 | 4.9             | 10                 | 5.1              |
| 300         | 31660       | 1595         | -31        | -44        | 13                | 8.9             | 15                 | 12.8             | 18                | 25.3            | 14                 | 12.1             | 13                | 11.4            | 14                 | 11.8             | 16                | 9.8             | 12                 | 6.4              |
| 250         | 35793       | 1794         | -41        | .          | 17                | 8.8             | 17                 | 10.6             | 18                | 15.6            | 15                 | 12.6             | 15                | 11.6            | 19                 | 14.6             | 18                | 13.4            | 19                 | 11.4             |
| 200         | 40637       | 1975         | -53        | .          | 15                | 11.4            | 16                 | 8.1              | 17                | 12.9            | 15                 | 10.6             | 16                | 7.6             | 20                 | 16.3             | 24                | 17.6            | 17                 | 14.1             |
| 150         | 46516       | 1869         | -67        | .          | 17                | 8.8             | 14                 | 8.6              | 17                | 12.1            | 16                 | 8.8              | 13                | 7.6             | 16                 | 17.9             | 22                | 21.1            | 16                 | 13.9             |
| 100         | 54239       | 1156         | -77        | .          | 11                | 9.3             | 12                 | 8.9              | 17                | 15.3            | 11                 | 8.4              | 11                | 8.9             | 15                 | 15.3             | 16                | 19.3            | 13                 | 12.9             |
| 70          | 60861       | 357          | -76        | .          | 10                | 7.1             | 13                 | 12.4             | 14                | 15.2            | 11                 | 13.8             | 11                | 8.7             | 17                 | 13.1             | 21                | 18.0            | 17                 | 10.8             |
| 50          | 67316       | -191         | -66        | .          | 12                | 6.1             | 20                 | 14.4             | 19                | 23.3            | 13                 | 6.2              | 12                | 4.0             | 17                 | 10.9             | 19                | 23.1            | 13                 | 10.9             |
| 30          | 77632       | -612         | -57        | .          | 16                | 7.9             | 25                 | 16.1             | 36                | 32.2            | 14                 | 6.2              | 13                | 4.9             | 17                 | 8.8              | 19                | 14.9            | 18                 | 7.5              |
| 20          | 86314       | -567         | -50        | .          | 17                | 2.0             | 13                 | 4.1              | 15                | 21.6            | 11                 | 4.3              | 15                | 1.8             | 24                 | 2.8              | 19                | 8.9             | 18                 | 3.2              |
| 10          | 100757      | -1128        | -38        | .          | 33                | 4.1             | 25                 | 8.3              | 30                | 43.3            | 23                 | 8.7              | 31                | 3.7             | 49                 | 5.8              | 38                | 17.9            | 36                 | 6.6              |

APR Latitude= 5.00 Longitude= 50.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .     | 28  | 25  | 0     | 0.0  | 7     | 32.9 | 8     | 14.3 | 5     | 0.3  |
| 1000 | 282    | -82   | 26  | 23  | 4     | 0.8  | 9     | 34.4 | 8     | 13.9 | 4     | 1.6  |
| 850  | 4911   | 131   | 19  | 10  | 7     | 5.1  | 11    | 31.8 | 8     | 7.1  | 8     | 10.4 |
| 700  | 10273  | 391   | 10  | -2  | 10    | 18.1 | 10    | 23.6 | 6     | 6.1  | 6     | 5.6  |
| 500  | 19155  | 866   | -5  | -17 | 9     | 8.9  | 15    | 41.8 | 8     | 1.9  | 7     | 3.1  |
| 400  | 24769  | 1195  | -16 | -29 | 11    | 7.8  | 18    | 41.1 | 9     | 4.3  | 9     | 4.8  |
| 300  | 31664  | 1599  | -31 | -44 | 14    | 7.6  | 18    | 23.8 | 13    | 9.4  | 15    | 10.3 |
| 250  | 35796  | 1797  | -41 | .   | 14    | 10.4 | 18    | 12.5 | 14    | 10.8 | 19    | 15.4 |
| 200  | 40639  | 1977  | -53 | .   | 15    | 10.9 | 18    | 15.6 | 16    | 8.8  | 22    | 20.6 |
| 150  | 46516  | 1869  | -67 | .   | 16    | 10.3 | 17    | 11.4 | 15    | 5.8  | 20    | 22.9 |
| 100  | 54244  | 1161  | -77 | .   | 10    | 7.8  | 16    | 15.4 | 11    | 10.4 | 16    | 17.9 |
| 70   | 60866  | 362   | -76 | .   | 9     | 6.8  | 14    | 17.8 | 11    | 9.7  | 19    | 18.1 |
| 50   | 67322  | -185  | -66 | .   | 10    | 2.9  | 21    | 25.1 | 10    | 4.2  | 19    | 24.4 |
| 30   | 77631  | -613  | -57 | .   | 11    | 5.5  | 34    | 37.9 | 13    | 4.6  | 21    | 14.9 |
| 20   | 86309  | -572  | -50 | .   | 20    | 2.2  | 15    | 21.6 | 17    | 1.1  | 22    | 9.3  |
| 10   | 100762 | -1123 | -38 | .   | 41    | 4.5  | 30    | 43.3 | 34    | 2.4  | 44    | 18.7 |

APR Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .     | 28  | 17  | 0     | 0.0  | 8     | 9.6  | 7     | 38.9 | 0     | 0.0  |
| 1000 | 298    | -66   | 30  | 22  | 0     | 0.0  | 10    | 6.6  | 10    | 47.9 | 4     | 0.1  |
| 850  | 4905   | 125   | 21  | 15  | 0     | 0.0  | 13    | 10.3 | 11    | 43.6 | 5     | 0.3  |
| 700  | 10289  | 407   | 10  | 5   | 6     | 11.6 | 10    | 17.4 | 5     | 6.6  | 7     | 11.6 |
| 500  | 19174  | 885   | -5  | -17 | 11    | 11.3 | 16    | 37.3 | 8     | 3.8  | 7     | 2.9  |
| 400  | 24774  | 1200  | -16 | -28 | 12    | 9.6  | 18    | 30.9 | 12    | 8.9  | 10    | 7.6  |
| 300  | 31648  | 1583  | -31 | -43 | 16    | 9.6  | 18    | 16.4 | 14    | 10.6 | 19    | 9.4  |
| 250  | 35787  | 1788  | -41 | .   | 16    | 11.4 | 16    | 11.3 | 15    | 13.1 | 21    | 13.9 |
| 200  | 40632  | 1970  | -53 | .   | 17    | 11.1 | 15    | 10.1 | 15    | 11.3 | 23    | 18.1 |
| 150  | 46515  | 1868  | -67 | .   | 17    | 11.6 | 13    | 6.4  | 15    | 9.3  | 22    | 21.6 |
| 100  | 54223  | 1140  | -77 | .   | 14    | 10.4 | 16    | 14.4 | 11    | 9.8  | 14    | 17.9 |
| 70   | 60846  | 342   | -76 | .   | 12    | 7.5  | 15    | 19.2 | 13    | 9.9  | 17    | 15.0 |
| 50   | 67320  | -187  | -65 | .   | 14    | 9.8  | 22    | 26.1 | 14    | 5.3  | 18    | 14.2 |
| 30   | 77661  | -583  | -57 | .   | 15    | 11.2 | 22    | 16.2 | 16    | 5.9  | 15    | 9.0  |
| 20   | 86350  | -531  | -50 | .   | 8     | 3.0  | 13    | 15.3 | 13    | 4.1  | 16    | 7.0  |
| 10   | 100783 | -1102 | -39 | .   | 16    | 6.2  | 26    | 30.8 | 27    | 8.3  | 33    | 14.1 |

APR Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 18         | 0                 | 0.0             | 7                  | 1.3              | 8                 | 24.6            | 8                  | 45.6             | 8                 | 23.6            | 7                  | 3.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 293         | -71          | 29         | 21         | 4                 | 0.3             | 7                  | 0.9              | 11                | 17.4            | 10                 | 37.8             | 10                | 34.6            | 10                 | 7.9              | 10                | 0.1             | 0                  | 0.0              |
| 850         | 4911        | 131          | 20         | 14         | 4                 | 0.3             | 10                 | 4.4              | 12                | 22.3            | 9                  | 25.1             | 9                 | 22.9            | 10                 | 21.6             | 9                 | 1.9             | 1                  | 0.3              |
| 700         | 10288       | 406          | 10         | 3          | 7                 | 19.6            | 11                 | 28.9             | 11                | 17.4            | 6                  | 4.4              | 6                 | 2.8             | 8                  | 5.3              | 8                 | 8.4             | 7                  | 11.1             |
| 500         | 19167       | 878          | -5         | -18        | 11                | 10.4            | 13                 | 22.1             | 15                | 38.1            | 11                 | 11.6             | 8                 | 4.1             | 7                  | 2.9              | 7                 | 2.4             | 7                  | 6.6              |
| 400         | 24772       | 1198         | -16        | -29        | 13                | 8.8             | 15                 | 17.8             | 18                | 29.3            | 13                 | 15.8             | 11                | 8.4             | 12                 | 7.4              | 10                | 5.8             | 8                  | 5.8              |
| 300         | 31651       | 1586         | -31        | -44        | 15                | 9.1             | 18                 | 13.1             | 17                | 17.9            | 15                 | 15.1             | 15                | 11.4            | 17                 | 15.4             | 17                | 11.1            | 15                 | 5.6              |
| 250         | 35788       | 1789         | -41        | .          | 19                | 9.8             | 17                 | 8.9              | 15                | 11.1            | 15                 | 12.9             | 16                | 13.8            | 21                 | 15.9             | 23                | 15.1            | 20                 | 10.9             |
| 200         | 40632       | 1970         | -53        | .          | 17                | 11.8            | 14                 | 5.8              | 14                | 9.1             | 15                 | 10.4             | 16                | 11.4            | 21                 | 16.6             | 24                | 19.1            | 18                 | 14.4             |
| 150         | 46513       | 1866         | -67        | .          | 17                | 11.3            | 13                 | 7.1              | 15                | 7.3             | 17                 | 10.6             | 16                | 7.4             | 16                 | 18.1             | 23                | 21.8            | 18                 | 15.4             |
| 100         | 54227       | 1168         | -77        | .          | 12                | 11.3            | 14                 | 8.8              | 16                | 15.3            | 13                 | 7.8              | 12                | 10.1            | 15                 | 14.9             | 14                | 17.8            | 14                 | 12.8             |
| 70          | 60852       | 348          | -76        | .          | 9                 | 6.4             | 12                 | 13.4             | 17                | 19.5            | 13                 | 13.9             | 12                | 9.2             | 14                 | 13.8             | 17                | 13.4            | 11                 | 8.9              |
| 50          | 67321       | -186         | -65        | .          | 10                | 7.0             | 17                 | 14.0             | 23                | 28.8            | 13                 | 7.9              | 12                | 5.3             | 15                 | 11.6             | 18                | 15.9            | 13                 | 8.1              |
| 30          | 77655       | -589         | -57        | .          | 10                | 6.8             | 21                 | 16.6             | 34                | 37.0            | 16                 | 7.0              | 13                | 6.4             | 14                 | 9.0              | 20                | 9.0             | 15                 | 7.2              |
| 20          | 86345       | -536         | -50        | .          | 9                 | 3.9             | 12                 | 4.1              | 13                | 16.0            | 10                 | 7.0              | 9                 | 2.8             | 16                 | 3.5              | 18                | 7.8             | 12                 | 3.6              |
| 10          | 100783      | -1102        | -39        | .          | 18                | 7.9             | 24                 | 8.3              | 27                | 32.0            | 21                 | 14.1             | 19                | 5.8             | 32                 | 7.0              | 36                | 15.8            | 24                 | 7.4              |

APR Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 24         | 13                | 0.3             | 9                  | 18.6             | 9                 | 31.6            | 9                  | 24.3             | 9                 | 20.3            | 8                  | 3.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 288         | -76          | 27         | 23         | 6                 | 0.3             | 10                 | 10.4             | 11                | 26.4            | 10                 | 29.6             | 10                | 26.8            | 10                 | 5.6              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4913        | 133          | 19         | 11         | 6                 | 4.1             | 11                 | 11.8             | 11                | 31.4            | 8                  | 13.6             | 8                 | 11.1            | 10                 | 15.9             | 9                 | 7.1             | 3                  | 2.6              |
| 700         | 10280       | 398          | 10         | -1         | 9                 | 20.3            | 11                 | 25.3             | 12                | 24.6            | 7                  | 5.6              | 6                 | 3.3             | 7                  | 4.9              | 8                 | 6.8             | 8                  | 7.3              |
| 500         | 19163       | 874          | -5         | -19        | 10                | 9.1             | 13                 | 25.1             | 16                | 37.8            | 10                 | 10.9             | 8                 | 3.8             | 5                  | 2.9              | 6                 | 2.9             | 7                  | 6.1              |
| 400         | 24772       | 1198         | -16        | -30        | 13                | 8.4             | 16                 | 18.4             | 18                | 31.8            | 14                 | 15.3             | 12                | 8.1             | 11                 | 5.8              | 10                | 6.8             | 10                 | 4.1              |
| 300         | 31658       | 1593         | -31        | -45        | 15                | 8.6             | 16                 | 16.6             | 17                | 19.3            | 15                 | 11.8             | 15                | 13.4            | 18                 | 10.3             | 17                | 12.6            | 15                 | 6.4              |
| 250         | 35791       | 1792         | -41        | .          | 17                | 11.8            | 16                 | 9.3              | 17                | 12.6            | 15                 | 10.3             | 16                | 12.5            | 21                 | 15.8             | 23                | 13.9            | 19                 | 12.8             |
| 200         | 40634       | 1972         | -53        | .          | 16                | 11.4            | 15                 | 6.8              | 15                | 9.8             | 16                 | 10.4             | 16                | 10.1            | 21                 | 14.6             | 25                | 19.6            | 19                 | 15.8             |
| 150         | 46512       | 1865         | -67        | .          | 16                | 10.8            | 14                 | 7.8              | 15                | 8.8             | 20                 | 9.8              | 15                | 6.9             | 17                 | 16.3             | 22                | 22.8            | 18                 | 15.9             |
| 100         | 54237       | 1154         | -77        | .          | 10                | 9.3             | 15                 | 10.6             | 15                | 14.9            | 13                 | 10.4             | 13                | 9.6             | 14                 | 15.4             | 15                | 17.3            | 14                 | 11.4             |
| 70          | 60863       | 359          | -76        | .          | 8                 | 6.2             | 13                 | 12.2             | 17                | 21.6            | 14                 | 15.3             | 12                | 10.1            | 14                 | 12.2             | 16                | 15.2            | 12                 | 5.7              |
| 50          | 67323       | -184         | -66        | .          | 10                | 5.7             | 17                 | 10.9             | 23                | 31.8            | 15                 | 8.3              | 11                | 6.1             | 16                 | 9.9              | 17                | 18.7            | 12                 | 7.5              |
| 30          | 77645       | -599         | -57        | .          | 8                 | 5.3             | 19                 | 12.4             | 35                | 41.8            | 17                 | 9.8              | 11                | 4.8             | 15                 | 8.1              | 19                | 11.2            | 17                 | 5.5              |
| 20          | 86327       | -554         | -50        | .          | 12                | 2.2             | 13                 | 4.3              | 14                | 17.0            | 10                 | 7.0              | 6                 | 2.6             | 22                 | 1.8              | 20                | 8.2             | 13                 | 5.5              |
| 10          | 100784      | -1101        | -39        | .          | 25                | 4.5             | 26                 | 8.7              | 28                | 34.1            | 19                 | 14.1             | 13                | 5.4             | 45                 | 3.7              | 40                | 16.6            | 27                 | 11.2             |

MAY Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 25         | 0                 | 0.0             | 0                  | 0.0              | 4                 | 3.8             | 8                  | 7.4              | 10                | 49.0            | 11                 | 39.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 307         | -57          | 27         | 25         | 0                 | 0.0             | 2                  | 0.1              | 8                 | 3.0             | 10                 | 19.6             | 11                | 47.9            | 12                 | 28.3             | 8                 | 0.6             | 0                  | 0.0              |
| 850         | 4957        | 177          | 18         | 13         | 4                 | 1.2             | 4                  | 0.6              | 9                 | 4.1             | 13                 | 23.8             | 14                | 48.3            | 12                 | 17.0             | 7                 | 2.5             | 5                  | 1.6              |
| 700         | 10339       | 457          | 10         | -1         | 5                 | 4.3             | 6                  | 8.5              | 7                 | 12.2            | 8                  | 18.0             | 8                 | 13.8            | 10                 | 24.5             | 9                 | 9.9             | 6                  | 6.7              |
| 500         | 19263       | 974          | -5         | -15        | 7                 | 13.8            | 10                 | 19.9             | 11                | 20.8            | 9                  | 10.1             | 8                 | 6.7             | 9                  | 7.5              | 10                | 9.3             | 8                  | 10.1             |
| 400         | 24904       | 1330         | -16        | -26        | 9                 | 10.1            | 11                 | 20.6             | 15                | 29.6            | 12                 | 10.8             | 9                 | 9.9             | 10                 | 3.8              | 9                 | 7.5             | 9                  | 6.2              |
| 300         | 31838       | 1773         | -31        | -41        | 10                | 11.1            | 12                 | 16.9             | 14                | 25.6            | 11                 | 14.9             | 9                 | 11.1            | 11                 | 6.9              | 9                 | 6.1             | 12                 | 7.0              |
| 250         | 35996       | 1997         | -40        | .          | 11                | 8.7             | 13                 | 13.5             | 13                | 20.3            | 14                 | 15.9             | 12                | 13.0            | 13                 | 8.0              | 13                | 8.3             | 13                 | 11.1             |
| 200         | 40866       | 2204         | -53        | .          | 11                | 7.7             | 13                 | 12.7             | 15                | 20.6            | 14                 | 15.1             | 14                | 11.4            | 15                 | 13.5             | 18                | 11.4            | 16                 | 7.2              |
| 150         | 46775       | 2128         | -67        | .          | 12                | 9.6             | 16                 | 14.5             | 19                | 24.0            | 14                 | 14.3             | 11                | 8.0             | 17                 | 11.1             | 20                | 11.2            | 13                 | 6.4              |
| 100         | 54548       | 1465         | -77        | .          | 12                | 6.6             | 14                 | 11.9             | 16                | 25.0            | 14                 | 13.5             | 11                | 7.9             | 14                 | 11.4             | 18                | 14.5            | 10                 | 7.9              |
| 70          | 61279       | 775          | -74        | .          | 12                | 5.9             | 13                 | 9.1              | 16                | 17.4            | 12                 | 11.6             | 10                | 8.3             | 14                 | 11.9             | 16                | 22.9            | 11                 | 12.2             |
| 50          | 67791       | 284          | -64        | .          | 11                | 4.0             | 20                 | 8.2              | 27                | 26.6            | 13                 | 5.5              | 10                | 2.6             | 15                 | 10.0             | 21                | 34.0            | 15                 | 8.5              |
| 30          | 78198       | -46          | -55        | .          | 10                | 5.0             | 24                 | 13.0             | 37                | 43.1            | 14                 | 4.1              | 8                 | 3.5             | 11                 | 6.2              | 28                | 16.4            | 11                 | 8.0              |
| 20          | 86931       | 50           | -49        | .          | 9                 | 1.1             | 16                 | 4.1              | 17                | 28.6            | 15                 | 3.4              | 9                 | 0.8             | 3                  | 0.1              | 28                | 11.0            | 4                  | 0.2              |
| 10          | 102081      | 196          | -39        | .          | 19                | 2.4             | 32                 | 8.3              | 35                | 57.3            | 31                 | 6.9              | 18                | 1.7             | 5                  | 0.3              | 56                | 22.0            | 9                  | 0.6              |

MAY Latitude= 0.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 25         | 4                 | 0.3             | 4                  | 1.9              | 4                 | 5.1             | 7                  | 12.2             | 10                | 41.9            | 11                 | 37.7             | 0                 | 0.0             | 3                  | 0.6              |
| 1000        | 301         | -63          | 27         | 24         | 5                 | 0.1             | 4                  | 1.4              | 6                 | 6.1             | 10                 | 22.4             | 11                | 43.0            | 11                 | 24.3             | 8                 | 1.9             | 3                  | 0.4              |
| 850         | 4950        | 170          | 18         | 12         | 5                 | 1.7             | 6                  | 0.6              | 10                | 6.6             | 12                 | 23.0             | 12                | 34.8            | 12                 | 22.0             | 8                 | 7.4             | 7                  | 3.0              |
| 700         | 10335       | 453          | 11         | -1         | 7                 | 9.8             | 7                  | 10.1             | 7                 | 11.9            | 6                  | 12.0             | 7                 | 6.2             | 10                 | 16.1             | 9                 | 20.4            | 8                  | 10.9             |
| 500         | 19261       | 972          | -5         | -15        | 8                 | 12.4            | 9                  | 17.0             | 11                | 21.1            | 9                  | 8.7              | 7                 | 5.8             | 10                 | 7.2              | 11                | 13.2            | 8                  | 13.3             |
| 400         | 24902       | 1328         | -16        | -26        | 10                | 9.1             | 11                 | 20.6             | 14                | 29.1            | 11                 | 9.8              | 10                | 6.4             | 9                  | 6.4              | 11                | 9.6             | 9                  | 7.5              |
| 300         | 31837       | 1772         | -31        | -41        | 10                | 10.3            | 12                 | 17.5             | 14                | 25.1            | 11                 | 10.9             | 10                | 10.6            | 12                 | 8.3              | 10                | 7.9             | 10                 | 8.3              |
| 250         | 35994       | 1995         | -40        | .          | 12                | 9.9             | 13                 | 14.5             | 16                | 16.7            | 13                 | 15.3             | 11                | 11.2            | 13                 | 12.0             | 14                | 7.9             | 11                 | 11.4             |
| 200         | 40865       | 2203         | -53        | .          | 11                | 7.7             | 14                 | 15.3             | 17                | 22.0            | 15                 | 12.4             | 12                | 11.9            | 16                 | 12.0             | 19                | 9.9             | 15                 | 8.0              |
| 150         | 46774       | 2127         | -67        | .          | 13                | 9.9             | 18                 | 15.6             | 20                | 25.0            | 14                 | 11.2             | 11                | 8.5             | 17                 | 11.9             | 22                | 10.3            | 12                 | 6.9              |
| 100         | 54546       | 1463         | -77        | .          | 12                | 7.0             | 12                 | 12.7             | 16                | 28.2            | 14                 | 11.4             | 14                | 5.6             | 16                 | 12.5             | 17                | 14.9            | 9                  | 6.6              |
| 70          | 61277       | 773          | -74        | .          | 12                | 6.6             | 13                 | 9.3              | 16                | 17.4            | 12                 | 9.9              | 11                | 9.5             | 12                 | 15.1             | 17                | 21.2            | 12                 | 9.9              |
| 50          | 67792       | 285          | -64        | .          | 11                | 5.0             | 18                 | 9.8              | 28                | 24.6            | 13                 | 4.5              | 11                | 3.0             | 17                 | 10.9             | 22                | 34.0            | 16                 | 7.5              |
| 30          | 78202       | -42          | -55        | .          | 11                | 7.0             | 24                 | 11.5             | 39                | 41.6            | 15                 | 5.3              | 7                 | 2.3             | 18                 | 7.3              | 25                | 17.7            | 12                 | 6.5              |
| 20          | 86934       | 53           | -49        | .          | 13                | 0.8             | 13                 | 5.1              | 18                | 27.9            | 14                 | 3.6              | 15                | 0.8             | 27                 | 1.3              | 31                | 9.5             | 6                  | 0.2              |
| 10          | 102077      | 192          | -39        | .          | 26                | 1.7             | 26                 | 10.4             | 36                | 55.9            | 29                 | 7.3              | 30                | 1.7             | 55                 | 2.7              | 62                | 19.2            | 13                 | 0.6              |

MAY Latitude= 0.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 25         | 3                 | 0.9             | 4                  | 2.9              | 5                 | 4.5             | 7                  | 11.9             | 10                | 40.6            | 10                 | 32.9             | 4                 | 4.5             | 2                  | 0.6              |
| 1000        | 295         | -69          | 27         | 24         | 3                 | 0.6             | 5                  | 2.9              | 7                 | 7.2             | 9                  | 22.9             | 11                | 40.4            | 11                 | 19.9             | 6                 | 4.3             | 3                  | 0.8              |
| 850         | 4945        | 165          | 18         | 13         | 5                 | 2.2             | 6                  | 1.4              | 9                 | 11.1            | 11                 | 17.5             | 10                | 26.6            | 12                 | 21.2             | 9                 | 12.9            | 7                  | 5.6              |
| 700         | 10331       | 449          | 11         | -1         | 7                 | 9.5             | 7                  | 11.4             | 7                 | 9.9             | 7                  | 7.9              | 5                 | 4.1             | 10                 | 12.0             | 11                | 23.3            | 9                  | 19.3             |
| 500         | 19257       | 968          | -5         | -15        | 7                 | 9.5             | 9                  | 15.4             | 11                | 20.6            | 9                  | 9.6              | 6                 | 6.6             | 9                  | 6.7              | 13                | 17.2            | 9                  | 13.2             |
| 400         | 24900       | 1326         | -16        | -27        | 9                 | 7.9             | 11                 | 18.2             | 14                | 30.1            | 10                 | 8.0              | 10                | 6.4             | 10                 | 7.4              | 11                | 11.7            | 10                 | 9.1              |
| 300         | 31835       | 1770         | -31        | -41        | 11                | 8.5             | 12                 | 19.1             | 15                | 23.8            | 11                 | 10.3             | 9                 | 8.5             | 13                 | 10.3             | 11                | 8.7             | 10                 | 9.3              |
| 250         | 35994       | 1995         | -40        | .          | 11                | 11.9            | 15                 | 15.1             | 16                | 17.2            | 12                 | 15.1             | 11                | 9.6             | 15                 | 11.1             | 11                | 10.1            | 11                 | 9.5              |
| 200         | 40866       | 2204         | -53        | .          | 11                | 10.4            | 16                 | 15.6             | 17                | 22.4            | 14                 | 13.2             | 14                | 5.8             | 16                 | 11.9             | 16                | 12.4            | 12                 | 7.5              |
| 150         | 46775       | 2128         | -67        | .          | 13                | 8.8             | 18                 | 17.7             | 21                | 25.9            | 14                 | 9.6              | 11                | 4.8             | 18                 | 11.9             | 18                | 13.7            | 11                 | 6.7              |
| 100         | 54547       | 1464         | -77        | .          | 12                | 8.2             | 12                 | 14.3             | 18                | 28.7            | 13                 | 10.9             | 13                | 5.4             | 18                 | 10.4             | 16                | 15.1            | 10                 | 6.2              |
| 70          | 61278       | 774          | -74        | .          | 9                 | 6.9             | 12                 | 11.2             | 15                | 16.7            | 11                 | 10.6             | 10                | 9.3             | 12                 | 15.8             | 16                | 19.6            | 13                 | 8.8              |
| 50          | 67792       | 285          | -64        | .          | 13                | 5.7             | 16                 | 10.0             | 26                | 26.1            | 17                 | 3.8              | 12                | 2.3             | 19                 | 11.2             | 22                | 32.0            | 14                 | 8.5              |
| 30          | 78202       | -42          | -55        | .          | 13                | 7.5             | 19                 | 10.4             | 39                | 43.2            | 17                 | 5.3              | 7                 | 2.6             | 26                 | 8.2              | 26                | 14.2            | 9                  | 7.7              |
| 20          | 86934       | 53           | -49        | .          | 16                | 0.8             | 13                 | 5.5              | 18                | 27.3            | 15                 | 4.0              | 24                | 0.2             | 28                 | 3.6              | 31                | 7.5             | 7                  | 0.5              |
| 10          | 102077      | 192          | -39        | .          | 31                | 1.7             | 26                 | 11.1             | 36                | 54.8            | 30                 | 8.0              | 48                | 0.6             | 57                 | 7.3              | 63                | 15.0            | 14                 | 1.0              |

MAY Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 22         | 0                 | 0.0             | 0                  | 0.0              | 5                 | 2.2             | 5                  | 4.5              | 10                | 35.8            | 11                 | 57.4             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 296         | -68          | 28         | 23         | 0                 | 0.0             | 0                  | 0.0              | 7                 | 1.7             | 8                  | 9.5              | 12                | 46.7            | 13                 | 40.9             | 5                 | 0.6             | 0                  | 0.0              |
| 850         | 4952        | 172          | 19         | 14         | 7                 | 0.1             | 4                  | 2.2              | 7                 | 2.0             | 10                 | 7.2              | 14                | 29.9            | 16                 | 54.9             | 8                 | 2.5             | 5                  | 0.6              |
| 700         | 10342       | 460          | 10         | 2          | 5                 | 8.3             | 7                  | 7.9              | 8                 | 7.9             | 8                  | 9.3              | 7                 | 9.5             | 10                 | 20.9             | 9                 | 24.5            | 5                  | 10.3             |
| 500         | 19264       | 975          | -5         | -15        | 9                 | 14.0            | 10                 | 27.9             | 11                | 24.8            | 9                  | 6.9              | 7                 | 4.0             | 7                  | 6.4              | 9                 | 5.1             | 8                  | 9.8              |
| 400         | 24903       | 1329         | -16        | -27        | 10                | 10.3            | 12                 | 20.8             | 16                | 33.3            | 11                 | 12.0             | 9                 | 5.4             | 8                  | 4.3              | 10                | 6.4             | 8                  | 6.2              |
| 300         | 31835       | 1770         | -31        | -42        | 10                | 9.6             | 13                 | 19.5             | 15                | 28.8            | 11                 | 14.3             | 10                | 8.2             | 10                 | 8.0              | 10                | 4.9             | 10                 | 6.2              |
| 250         | 35994       | 1995         | -40        | .          | 12                | 9.3             | 14                 | 15.4             | 15                | 19.1            | 13                 | 18.2             | 11                | 11.4            | 13                 | 8.3              | 12                | 8.0             | 10                 | 9.3              |
| 200         | 40864       | 2202         | -53        | .          | 11                | 9.3             | 14                 | 11.7             | 16                | 20.4            | 16                 | 14.8             | 14                | 10.9            | 13                 | 13.3             | 16                | 11.4            | 14                 | 7.0              |
| 150         | 46773       | 2126         | -67        | .          | 12                | 9.3             | 14                 | 14.9             | 20                | 25.9            | 15                 | 13.3             | 11                | 9.6             | 16                 | 10.3             | 18                | 11.1            | 13                 | 5.6              |
| 100         | 54548       | 1465         | -77        | .          | 10                | 5.9             | 14                 | 14.9             | 17                | 27.4            | 15                 | 15.4             | 12                | 7.4             | 14                 | 9.8              | 19                | 13.3            | 9                  | 5.3              |
| 70          | 61277       | 773          | -74        | .          | 10                | 8.0             | 13                 | 16.7             | 16                | 19.9            | 12                 | 11.9             | 10                | 8.8             | 14                 | 12.0             | 22                | 15.1            | 12                 | 6.7              |
| 50          | 67786       | 279          | -64        | .          | 11                | 6.0             | 21                 | 11.2             | 25                | 27.5            | 15                 | 4.6              | 12                | 2.8             | 12                 | 11.2             | 18                | 27.0            | 14                 | 9.3              |
| 30          | 78198       | -46          | -55        | .          | 13                | 7.0             | 25                 | 14.2             | 36                | 42.4            | 13                 | 6.5              | 9                 | 4.1             | 14                 | 4.1              | 22                | 14.2            | 16                 | 7.0              |
| 20          | 86934       | 53           | -49        | .          | 10                | 1.0             | 15                 | 4.1              | 17                | 27.9            | 14                 | 4.3              | 11                | 0.6             | 0                  | 0.0              | 21                | 9.9             | 18                 | 1.6              |
| 10          | 102088      | 203          | -39        | .          | 20                | 2.0             | 29                 | 8.3              | 35                | 55.9            | 27                 | 8.7              | 23                | 1.3             | 0                  | 0.0              | 41                | 19.9            | 37                 | 3.4              |

MAY Latitude= 2.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 25  | 0     | 0.0  | 6     | 0.3  | 7     | 4.1  | 6     | 8.3  |
| 1000 | 291    | -73  | 27  | 24  | 2     | 0.3  | 4     | 0.3  | 8     | 4.1  | 8     | 13.0 |
| 850  | 4947   | 167  | 19  | 12  | 6     | 3.7  | 6     | 1.7  | 7     | 3.3  | 8     | 7.2  |
| 700  | 10337  | 455  | 10  | 1   | 6     | 12.5 | 8     | 10.1 | 7     | 7.9  | 6     | 5.9  |
| 500  | 19261  | 972  | -5  | -16 | 8     | 16.2 | 10    | 23.0 | 11    | 23.2 | 9     | 6.9  |
| 400  | 24904  | 1330 | -16 | -28 | 10    | 10.6 | 12    | 22.2 | 15    | 31.6 | 10    | 10.3 |
| 300  | 31838  | 1773 | -31 | -42 | 10    | 12.9 | 13    | 17.0 | 14    | 28.0 | 10    | 7.0  |
| 250  | 35996  | 1997 | -40 | .   | 10    | 13.2 | 14    | 13.3 | 16    | 21.4 | 11    | 8.8  |
| 200  | 40866  | 2204 | -53 | .   | 11    | 7.5  | 14    | 13.7 | 17    | 22.2 | 11    | 6.9  |
| 150  | 46774  | 2127 | -67 | .   | 12    | 9.5  | 15    | 14.1 | 22    | 25.3 | 11    | 10.8 |
| 100  | 54550  | 1467 | -77 | .   | 12    | 6.2  | 12    | 15.4 | 19    | 28.8 | 13    | 7.0  |
| 70   | 61280  | 776  | -74 | .   | 10    | 7.7  | 14    | 17.0 | 15    | 21.1 | 11    | 10.8 |
| 50   | 67789  | 282  | -64 | .   | 13    | 5.3  | 19    | 11.5 | 26    | 26.8 | 12    | 4.3  |
| 30   | 78197  | -47  | -55 | .   | 14    | 7.2  | 21    | 12.2 | 37    | 44.2 | 13    | 6.8  |
| 20   | 86933  | 52   | -49 | .   | 15    | 0.6  | 14    | 4.0  | 17    | 28.7 | 16    | 3.6  |
| 10   | 102088 | 203  | -39 | .   | 30    | 1.3  | 28    | 8.0  | 35    | 57.6 | 32    | 7.3  |

MAY Latitude= 2.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 25  | 3     | 0.6  | 5     | 0.6  | 6     | 6.7  | 6     | 6.7  |
| 1000 | 289    | -75  | 27  | 24  | 3     | 0.6  | 5     | 1.2  | 7     | 6.7  | 7     | 12.2 |
| 850  | 4943   | 163  | 19  | 12  | 5     | 3.2  | 5     | 2.5  | 7     | 5.3  | 8     | 7.5  |
| 700  | 10333  | 451  | 10  | 1   | 7     | 14.3 | 8     | 10.3 | 6     | 7.2  | 5     | 4.6  |
| 500  | 19258  | 969  | -5  | -16 | 8     | 14.0 | 10    | 18.5 | 11    | 21.9 | 8     | 7.9  |
| 400  | 24902  | 1328 | -16 | -28 | 10    | 9.3  | 11    | 21.9 | 15    | 29.5 | 10    | 9.0  |
| 300  | 31837  | 1772 | -31 | -43 | 10    | 10.8 | 13    | 17.7 | 15    | 25.4 | 12    | 10.3 |
| 250  | 35995  | 1996 | -40 | .   | 12    | 9.5  | 14    | 15.1 | 16    | 22.0 | 13    | 13.0 |
| 200  | 40865  | 2203 | -53 | .   | 11    | 7.7  | 16    | 14.3 | 17    | 26.7 | 15    | 10.3 |
| 150  | 46773  | 2126 | -67 | .   | 12    | 6.7  | 17    | 16.6 | 21    | 28.7 | 15    | 10.3 |
| 100  | 54547  | 1464 | -77 | .   | 10    | 7.9  | 14    | 14.5 | 19    | 29.6 | 15    | 12.9 |
| 70   | 61277  | 773  | -74 | .   | 11    | 5.4  | 12    | 14.6 | 15    | 23.2 | 10    | 9.9  |
| 50   | 67786  | 279  | -65 | .   | 13    | 4.6  | 19    | 8.8  | 25    | 28.6 | 10    | 6.7  |
| 30   | 78194  | -50  | -55 | .   | 16    | 4.0  | 19    | 9.5  | 37    | 45.8 | 15    | 9.5  |
| 20   | 86930  | 49   | -49 | .   | 7     | 0.6  | 14    | 3.7  | 18    | 29.0 | 16    | 3.7  |
| 10   | 102081 | 196  | -39 | .   | 15    | 1.3  | 28    | 7.6  | 36    | 58.0 | 31    | 7.6  |

MAY Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E     | SE  | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|-------|-----|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (kts) | (%) | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 28  | 20  | 0     | 0.0  | 0     | 6     | 6.1 | 9     | 27.4 | 11    | 62.5 |
| 1000 | 295    | -69  | 29  | 23  | 0     | 0.0  | 6     | 1.2   | 7   | 11    | 34.6 | 8     | 2.2  |
| 850  | 4946   | 166  | 19  | 15  | 3     | 0.1  | 6     | 1.7   | 7   | 11    | 34.6 | 8     | 2.2  |
| 700  | 10345  | 463  | 10  | 4   | 6     | 7.9  | 7     | 2.0   | 7   | 12    | 18.3 | 13    | 2.4  |
| 500  | 19271  | 982  | -5  | -16 | 9     | 13.5 | 9     | 6.1   | 7   | 7     | 7.7  | 10    | 31.4 |
| 400  | 24908  | 1334 | -16 | -28 | 10    | 10.9 | 12    | 31.4  | 6   | 4     | 2.4  | 8     | 3.2  |
| 300  | 31836  | 1771 | -31 | -43 | 10    | 10.1 | 15    | 38.0  | 10  | 7     | 3.0  | 7     | 4.3  |
| 250  | 35996  | 1997 | -41 |     | 12    | 10.3 | 17    | 33.2  | 12  | 10    | 7.0  | 8     | 4.0  |
| 200  | 40866  | 2204 | -53 |     | 12    | 9.3  | 14    | 15.8  | 11  | 11.4  | 8.2  | 10    | 7.2  |
| 150  | 46776  | 2129 | -67 |     | 14    | 8.0  | 17    | 23.8  | 15  | 10.8  | 12.5 | 14    | 9.0  |
| 100  | 54549  | 1466 | -77 |     | 11    | 7.9  | 20    | 27.9  | 15  | 7.4   | 12.5 | 17    | 9.5  |
| 70   | 61276  | 772  | -74 |     | 10    | 6.1  | 18    | 29.9  | 15  | 7.9   | 10.8 | 18    | 10.4 |
| 50   | 67787  | 280  | -64 |     | 11    | 6.5  | 17    | 31.9  | 10  | 6.9   | 9.3  | 22    | 10.6 |
| 30   | 78211  | -33  | -55 |     | 16    | 4.3  | 24    | 35.4  | 12  | 4.5   | 5.7  | 15    | 14.4 |
| 20   | 86951  | 70   | -49 |     | 8     | 1.1  | 34    | 49.6  | 14  | 8.2   | 2.1  | 17    | 7.7  |
| 10   | 102108 | 223  | -39 |     | 16    | 2.4  | 36    | 54.5  | 11  | 1.3   | 1.1  | 12    | 5.1  |
|      |        |      |     |     | 23    | 8.7  | 36    | 54.5  | 22  | 2.7   | 2.4  | 25    | 10.4 |

MAY Latitude= 5.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E     | SE  | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|-------|-----|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (kts) | (%) | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 30  | 21  | 0     | 0.0  | 0     | 6     | 7   | 10    | 34.1 | 12    | 52.5 |
| 1000 | 276    | -88  | 28  | 23  | 3     | 0.1  | 8     | 4.3   | 9   | 12    | 33.7 | 15    | 50.4 |
| 850  | 4943   | 163  | 19  | 14  | 3     | 0.8  | 6     | 3.5   | 7   | 11    | 6.4  | 17    | 62.7 |
| 700  | 10339  | 457  | 10  | 3   | 7     | 13.2 | 8     | 5.1   | 6   | 5     | 3.5  | 11    | 34.1 |
| 500  | 19265  | 976  | -5  | -16 | 8     | 15.8 | 11    | 30.1  | 8   | 5     | 0.9  | 9     | 4.3  |
| 400  | 24908  | 1334 | -16 | -28 | 10    | 10.8 | 13    | 35.9  | 10  | 7     | 1.9  | 10    | 4.9  |
| 300  | 31841  | 1776 | -31 | -43 | 10    | 11.9 | 16    | 30.4  | 11  | 9     | 6.7  | 10    | 6.9  |
| 250  | 35998  | 1999 | -41 |     | 13    | 10.4 | 17    | 24.8  | 14  | 13.3  | 8.2  | 12    | 8.5  |
| 200  | 40866  | 2204 | -53 |     | 12    | 7.7  | 14    | 17.7  | 16  | 14.9  | 8.3  | 14    | 10.1 |
| 150  | 46775  | 2128 | -67 |     | 13    | 7.9  | 15    | 15.9  | 18  | 14.1  | 7.4  | 15    | 11.9 |
| 100  | 54549  | 1466 | -77 |     | 11    | 5.6  | 15    | 15.1  | 17  | 14.9  | 6.7  | 14    | 11.7 |
| 70   | 61278  | 774  | -74 |     | 10    | 3.3  | 16    | 18.2  | 11  | 14.6  | 7.5  | 15    | 8.8  |
| 50   | 67786  | 279  | -64 |     | 11    | 4.8  | 20    | 16.1  | 11  | 7.5   | 6.0  | 10    | 8.5  |
| 30   | 78205  | -39  | -55 |     | 13    | 4.5  | 25    | 35.3  | 11  | 4.0   | 3.3  | 17    | 4.3  |
| 20   | 86941  | 60   | -49 |     | 11    | 1.0  | 18    | 27.3  | 13  | 1.1   | 2.9  | 14    | 6.5  |
| 10   | 102103 | 218  | -39 |     | 22    | 2.0  | 36    | 54.8  | 27  | 2.4   | 5.9  | 29    | 13.2 |
|      |        |      |     |     | 24    | 6.9  | 36    | 54.8  | 27  | 9.7   | 9.7  | 29    | 13.2 |

MAY Latitude= 5.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 26         | 0                 | 0.0             | 5                  | 0.9              | 6                 | 7.0             | 7                  | 6.7              | 10                | 21.2            | 17                 | 63.5             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 278         | -86          | 27         | 24         | 3                 | 0.3             | 8                  | 1.4              | 8                 | 5.8             | 8                  | 7.5              | 11                | 22.4            | 18                 | 59.5             | 7                 | 2.2             | 4                  | 0.3              |
| 850         | 4939        | 159          | 19         | 12         | 4                 | 1.2             | 6                  | 3.8              | 7                 | 4.6             | 6                  | 1.9              | 10                | 5.8             | 18                 | 39.1             | 15                | 37.9            | 7                  | 5.1              |
| 700         | 10334       | 452          | 10         | 2          | 8                 | 19.8            | 9                  | 11.4             | 8                 | 6.9             | 5                  | 2.0              | 4                 | 2.4             | 7                  | 5.3              | 12                | 25.4            | 10                 | 25.8             |
| 500         | 19260       | 971          | -5         | -16        | 9                 | 13.5            | 11                 | 29.3             | 12                | 26.6            | 8                  | 5.6              | 4                 | 2.0             | 7                  | 2.7              | 9                 | 6.7             | 9                  | 13.0             |
| 400         | 24906       | 1332         | -16        | -28        | 10                | 11.4            | 12                 | 24.1             | 17                | 32.7            | 10                 | 8.2              | 6                 | 2.4             | 10                 | 3.8              | 11                | 7.7             | 8                  | 8.5              |
| 300         | 31843       | 1778         | -31        | -43        | 11                | 10.4            | 13                 | 18.3             | 17                | 29.5            | 11                 | 11.9             | 9                 | 5.6             | 12                 | 5.1              | 11                | 9.5             | 11                 | 8.8              |
| 250         | 35999       | 2000         | -40        | .          | 12                | 8.7             | 14                 | 16.9             | 18                | 22.7            | 14                 | 13.0             | 12                | 6.9             | 12                 | 9.6              | 14                | 9.8             | 13                 | 11.7             |
| 200         | 40869       | 2207         | -53        | .          | 12                | 7.4             | 15                 | 14.0             | 17                | 26.2            | 16                 | 14.6             | 13                | 8.8             | 16                 | 9.0              | 14                | 11.1            | 14                 | 7.9              |
| 150         | 46779       | 2132         | -67        | .          | 11                | 6.9             | 15                 | 12.4             | 21                | 31.2            | 17                 | 13.3             | 13                | 7.4             | 16                 | 9.0              | 17                | 12.7            | 12                 | 6.4              |
| 100         | 54553       | 1470         | -77        | .          | 10                | 5.6             | 14                 | 14.6             | 21                | 32.0            | 17                 | 14.6             | 13                | 5.4             | 14                 | 11.6             | 17                | 11.9            | 10                 | 3.5              |
| 70          | 61282       | 778          | -74        | .          | 11                | 4.1             | 16                 | 14.6             | 16                | 33.8            | 12                 | 14.8             | 11                | 7.7             | 14                 | 9.8              | 18                | 9.8             | 13                 | 4.8              |
| 50          | 67789       | 282          | -65        | .          | 12                | 5.2             | 17                 | 10.0             | 24                | 37.4            | 13                 | 9.5              | 9                 | 6.8             | 12                 | 10.7             | 16                | 13.9            | 11                 | 5.5              |
| 30          | 78202       | -42          | -55        | .          | 14                | 4.5             | 19                 | 9.2              | 35                | 51.6            | 16                 | 11.4             | 13                | 4.1             | 20                 | 6.5              | 20                | 8.7             | 14                 | 3.5              |
| 20          | 86938       | 57           | -49        | .          | 6                 | 0.8             | 14                 | 3.7              | 18                | 27.7            | 14                 | 4.0              | 9                 | 1.5             | 16                 | 5.7              | 18                | 5.1             | 6                  | 0.8              |
| 10          | 102104      | 219          | -39        | .          | 12                | 1.7             | 27                 | 7.6              | 36                | 55.5            | 27                 | 8.0              | 18                | 3.1             | 31                 | 11.5             | 36                | 10.4            | 13                 | 1.7              |

MAY Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 18         | 0                 | 0.0             | 0                  | 0.0              | 5                 | 1.2             | 7                  | 4.1              | 9                 | 27.7            | 11                 | 65.8             | 6                 | 0.3             | 3                  | 0.3              |
| 1000        | 302         | -62          | 29         | 23         | 0                 | 0.0             | 2                  | 0.1              | 6                 | 0.8             | 8                  | 3.0              | 11                | 30.1            | 14                 | 64.6             | 6                 | 0.8             | 3                  | 0.1              |
| 850         | 4928        | 148          | 21         | 16         | 2                 | 0.1             | 1                  | 0.1              | 12                | 0.8             | 9                  | 2.4              | 12                | 19.8            | 18                 | 74.1             | 10                | 2.0             | 3                  | 0.1              |
| 700         | 10344       | 462          | 10         | 6          | 6                 | 14.5            | 9                  | 10.9             | 8                 | 4.8             | 6                  | 3.0              | 7                 | 3.0             | 10                 | 11.4             | 10                | 25.3            | 9                  | 25.0             |
| 500         | 19285       | 996          | -5         | -16        | 9                 | 12.2            | 12                 | 38.8             | 13                | 35.1            | 8                  | 4.5              | 5                 | 1.6             | 6                  | 1.6              | 6                 | 3.2             | 5                  | 1.9              |
| 400         | 24918       | 1344         | -16        | -27        | 11                | 8.3             | 13                 | 25.1             | 17                | 46.7            | 11                 | 8.8              | 8                 | 2.7             | 8                  | 3.5              | 5                 | 1.7             | 6                  | 2.2              |
| 300         | 31837       | 1772         | -31        | -42        | 11                | 10.9            | 14                 | 19.1             | 16                | 33.0            | 13                 | 16.9             | 11                | 5.9             | 11                 | 5.9              | 6                 | 3.8             | 9                  | 3.7              |
| 250         | 36002       | 2003         | -41        | .          | 14                | 10.8            | 15                 | 12.2             | 17                | 28.7            | 13                 | 15.6             | 13                | 12.4            | 13                 | 8.0              | 10                | 5.4             | 10                 | 6.2              |
| 200         | 40873       | 2211         | -53        | .          | 12                | 8.0             | 14                 | 16.2             | 17                | 25.3            | 16                 | 14.8             | 12                | 11.2            | 15                 | 9.3              | 13                | 8.2             | 15                 | 5.8              |
| 150         | 46784       | 2137         | -67        | .          | 16                | 5.8             | 14                 | 13.5             | 20                | 30.8            | 17                 | 13.7             | 11                | 7.5             | 16                 | 10.6             | 16                | 9.6             | 14                 | 8.2              |
| 100         | 54548       | 1465         | -77        | .          | 12                | 7.4             | 16                 | 15.8             | 19                | 32.0            | 17                 | 15.4             | 11                | 6.1             | 13                 | 10.3             | 16                | 7.7             | 8                  | 4.3              |
| 70          | 61276       | 772          | -74        | .          | 9                 | 5.3             | 16                 | 18.2             | 19                | 41.7            | 12                 | 11.4             | 12                | 6.9             | 13                 | 4.8              | 18                | 6.2             | 9                  | 4.6              |
| 50          | 67798       | 291          | -64        | .          | 10                | 7.7             | 17                 | 20.1             | 24                | 44.9            | 13                 | 12.0             | 11                | 3.6             | 10                 | 2.0              | 15                | 4.8             | 14                 | 4.1              |
| 30          | 78236       | -8           | -54        | .          | 13                | 7.0             | 22                 | 16.1             | 32                | 57.7            | 16                 | 10.9             | 7                 | 1.1             | 10                 | 1.8              | 14                | 1.5             | 17                 | 3.5              |
| 20          | 86980       | 99           | -49        | .          | 9                 | 4.8             | 8                  | 4.3              | 17                | 29.5            | 10                 | 5.0              | 7                 | 1.8             | 4                  | 0.1              | 5                 | 0.6             | 8                  | 3.0              |
| 10          | 102139      | 254          | -39        | .          | 17                | 9.7             | 17                 | 8.7              | 33                | 59.0            | 20                 | 10.1             | 13                | 3.8             | 8                  | 0.3              | 10                | 1.3             | 17                 | 6.2              |

MAY Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 19  | 0     | 0.0  | 5     | 2.2  | 8     | 27.4 | 11    | 0.3  |
| 1000 | 282    | -82  | 29  | 23  | 3     | 0.1  | 7     | 1.9  | 10    | 28.3 | 9     | 1.1  |
| 850  | 4932   | 152  | 21  | 16  | 0     | 0.0  | 9     | 2.5  | 9     | 9.5  | 14    | 6.1  |
| 700  | 10344  | 462  | 10  | 5   | 8     | 14.6 | 8     | 6.2  | 5     | 1.4  | 12    | 29.5 |
| 500  | 19274  | 985  | -5  | -16 | 10    | 13.2 | 14    | 39.1 | 4     | 1.1  | 7     | 3.5  |
| 400  | 24914  | 1340 | -16 | -28 | 11    | 11.1 | 17    | 43.3 | 6     | 1.6  | 7     | 2.5  |
| 300  | 31838  | 1773 | -31 | -43 | 12    | 9.5  | 17    | 32.0 | 12    | 6.6  | 10    | 4.5  |
| 250  | 36001  | 2002 | -41 | .   | 13    | 11.1 | 18    | 27.0 | 14    | 9.9  | 11    | 7.5  |
| 200  | 40873  | 2211 | -53 | .   | 13    | 6.6  | 18    | 27.4 | 14    | 9.9  | 11    | 7.5  |
| 150  | 46785  | 2138 | -67 | .   | 14    | 4.6  | 20    | 30.9 | 14    | 5.6  | 13    | 9.1  |
| 100  | 54552  | 1469 | -77 | .   | 10    | 4.6  | 19    | 32.2 | 10    | 5.8  | 14    | 11.1 |
| 70   | 61280  | 776  | -74 | .   | 9     | 3.7  | 18    | 44.6 | 12    | 7.7  | 12    | 5.9  |
| 50   | 67798  | 291  | -64 | .   | 10    | 4.0  | 24    | 47.3 | 9     | 5.5  | 10    | 3.0  |
| 30   | 78232  | -12  | -54 | .   | 13    | 4.3  | 33    | 59.3 | 6     | 2.3  | 12    | 3.0  |
| 20   | 86972  | 91   | -49 | .   | 8     | 2.2  | 17    | 27.9 | 5     | 2.7  | 6     | 1.6  |
| 10   | 102138 | 253  | -39 | .   | 16    | 4.5  | 34    | 55.9 | 11    | 5.5  | 13    | 3.4  |

MAY Latitude= 7.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 25  | 0     | 0.0  | 8     | 4.5  | 13    | 40.6 | 0     | 0.0  |
| 1000 | 260    | -104 | 28  | 24  | 1     | 0.1  | 8     | 3.0  | 13    | 36.7 | 5     | 0.3  |
| 850  | 4929   | 149  | 20  | 14  | 2     | 0.8  | 8     | 6.7  | 8     | 4.1  | 15    | 28.8 |
| 700  | 10337  | 455  | 10  | 3   | 10    | 20.3 | 10    | 6.9  | 6     | 0.6  | 11    | 21.7 |
| 500  | 19267  | 978  | -5  | -17 | 10    | 12.9 | 14    | 37.7 | 6     | 0.4  | 7     | 3.5  |
| 400  | 24911  | 1337 | -16 | -29 | 12    | 10.9 | 18    | 39.9 | 6     | 1.9  | 9     | 5.6  |
| 300  | 31843  | 1778 | -31 | -44 | 14    | 8.3  | 17    | 33.2 | 10    | 5.8  | 11    | 5.3  |
| 250  | 36002  | 2003 | -40 | .   | 13    | 9.6  | 17    | 26.7 | 11    | 7.4  | 13    | 8.2  |
| 200  | 40875  | 2213 | -53 | .   | 12    | 8.0  | 18    | 26.7 | 14    | 6.4  | 15    | 10.8 |
| 150  | 46788  | 2141 | -67 | .   | 12    | 4.6  | 21    | 30.9 | 13    | 5.4  | 17    | 12.7 |
| 100  | 54559  | 1476 | -77 | .   | 10    | 4.5  | 21    | 34.6 | 13    | 6.6  | 15    | 8.5  |
| 70   | 61288  | 784  | -74 | .   | 10    | 4.0  | 19    | 45.6 | 13    | 6.1  | 16    | 7.9  |
| 50   | 67797  | 290  | -65 | .   | 14    | 2.1  | 24    | 52.0 | 9     | 6.2  | 13    | 5.8  |
| 30   | 78220  | -24  | -54 | .   | 11    | 2.8  | 34    | 57.3 | 13    | 3.6  | 14    | 5.0  |
| 20   | 86960  | 79   | -49 | .   | 5     | 0.8  | 17    | 28.2 | 7     | 3.2  | 9     | 3.4  |
| 10   | 102134 | 249  | -39 | .   | 11    | 1.7  | 35    | 56.6 | 14    | 6.6  | 18    | 6.9  |

JUN Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 13                | 41.2            | 14                 | 58.3             | 8                 | 0.3             | 0                  | 0.0              |
| 1000        | 373         | 9            | 25         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 4.1              | 14                | 57.6            | 16                 | 37.9             | 9                 | 0.1             | 0                  | 0.0              |
| 850         | 4989        | 209          | 17         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 19                 | 9.8              | 20                | 73.6            | 21                 | 16.4             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10350       | 468          | 10         | -3         | 0                 | 0.0             | 0                  | 0.0              | 11                | 1.9             | 11                 | 9.3              | 13                | 34.4            | 15                 | 46.3             | 18                | 7.8             | 0                  | 0.0              |
| 500         | 19265       | 976          | -5         | -17        | 7                 | 4.8             | 10                 | 4.1              | 9                 | 5.1             | 10                 | 12.3             | 10                | 13.6            | 12                 | 25.3             | 12                | 25.3            | 8                  | 8.6              |
| 400         | 24900       | 1326         | -16        | -28        | 8                 | 6.4             | 9                  | 6.3              | 14                | 12.5            | 10                 | 14.8             | 10                | 14.6            | 11                 | 15.4             | 11                | 17.3            | 9                  | 11.3             |
| 300         | 31817       | 1752         | -32        | -43        | 9                 | 6.8             | 11                 | 11.6             | 15                | 22.1            | 12                 | 19.6             | 10                | 10.8            | 9                  | 8.8              | 11                | 9.4             | 12                 | 10.1             |
| 250         | 35957       | 1958         | -41        | .          | 10                | 8.6             | 15                 | 11.3             | 19                | 32.1            | 15                 | 19.1             | 11                | 6.4             | 12                 | 5.1              | 11                | 7.6             | 13                 | 8.6              |
| 200         | 40805       | 2143         | -54        | .          | 12                | 3.8             | 18                 | 17.3             | 28                | 46.1            | 18                 | 11.6             | 11                | 4.4             | 13                 | 3.4              | 14                | 3.9             | 14                 | 4.8              |
| 150         | 46696       | 2049         | -67        | .          | 12                | 3.8             | 23                 | 16.9             | 38                | 59.6            | 19                 | 8.1              | 17                | 1.8             | 15                 | 1.8              | 13                | 3.6             | 13                 | 3.8              |
| 100         | 54526       | 1443         | -74        | .          | 11                | 5.9             | 16                 | 19.3             | 24                | 50.1            | 17                 | 7.3              | 8                 | 1.9             | 12                 | 3.6              | 14                | 4.4             | 13                 | 6.8              |
| 70          | 61341       | 837          | -72        | .          | 11                | 6.1             | 17                 | 14.3             | 24                | 29.8            | 15                 | 5.9              | 8                 | 3.1             | 14                 | 7.8              | 15                | 20.4            | 12                 | 12.1             |
| 50          | 67921       | 414          | -63        | .          | 11                | 5.8             | 24                 | 13.3             | 33                | 34.4            | 12                 | 3.9              | 8                 | 1.3             | 13                 | 2.8              | 24                | 28.4            | 16                 | 9.6              |
| 30          | 78394       | 150          | -55        | .          | 11                | 2.1             | 31                 | 18.9             | 38                | 55.4            | 17                 | 4.6              | 7                 | 1.4             | 9                  | 2.9              | 33                | 9.8             | 20                 | 4.3              |
| 20          | 87126       | 245          | -49        | .          | 6                 | 1.7             | 11                 | 3.9              | 23                | 26.7            | 8                  | 1.4              | 4                 | 0.9             | 4                  | 0.7              | 24                | 10.9            | 13                 | 2.9              |
| 10          | 102174      | 289          | -39        | .          | 12                | 3.6             | 21                 | 7.9              | 46                | 53.6            | 17                 | 2.9              | 8                 | 1.9             | 9                  | 1.6              | 47                | 21.9            | 26                 | 5.9              |

JUN Latitude= 0.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.6              | 13                | 40.9            | 14                 | 58.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 361         | -3           | 25         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 12                 | 4.1              | 14                | 59.9            | 16                 | 35.8             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4977        | 197          | 17         | 10         | 0                 | 0.0             | 0                  | 0.0              | 14                | 1.3             | 18                 | 13.1             | 19                | 67.3            | 21                 | 18.1             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10341       | 459          | 10         | -4         | 2                 | 0.1             | 4                  | 0.8              | 9                 | 3.3             | 9                  | 8.3              | 12                | 21.8            | 15                 | 52.6             | 15                | 11.9            | 4                  | 0.4              |
| 500         | 19261       | 972          | -5         | -17        | 7                 | 6.3             | 9                  | 3.6              | 8                 | 4.3             | 10                 | 8.3              | 10                | 11.6            | 12                 | 23.6             | 13                | 33.6            | 10                 | 7.6              |
| 400         | 24898       | 1324         | -16        | -28        | 9                 | 5.9             | 8                  | 4.9              | 14                | 11.6            | 11                 | 14.1             | 10                | 14.3            | 11                 | 12.9             | 11                | 24.3            | 10                 | 9.9              |
| 300         | 31816       | 1751         | -32        | -43        | 10                | 5.1             | 12                 | 11.1             | 16                | 25.0            | 13                 | 16.6             | 10                | 11.6            | 9                  | 7.1              | 11                | 12.3            | 10                 | 10.3             |
| 250         | 35955       | 1956         | -41        | .          | 10                | 6.3             | 14                 | 14.9             | 21                | 33.9            | 15                 | 16.3             | 10                | 6.6             | 12                 | 4.4              | 12                | 8.1             | 11                 | 8.6              |
| 200         | 40804       | 2142         | -54        | .          | 11                | 4.9             | 22                 | 18.4             | 30                | 48.9            | 17                 | 10.3             | 12                | 3.6             | 14                 | 3.9              | 15                | 4.3             | 11                 | 5.1              |
| 150         | 46694       | 2047         | -67        | .          | 12                | 2.9             | 24                 | 14.4             | 39                | 65.6            | 19                 | 5.6              | 16                | 2.3             | 13                 | 2.9              | 11                | 3.4             | 11                 | 2.3              |
| 100         | 54522       | 1439         | -74        | .          | 11                | 4.6             | 18                 | 17.3             | 25                | 52.8            | 17                 | 9.1              | 11                | 4.1             | 9                  | 3.1              | 15                | 3.8             | 10                 | 4.6              |
| 70          | 61338       | 834          | -72        | .          | 10                | 4.6             | 17                 | 13.3             | 24                | 30.4            | 14                 | 7.3              | 9                 | 3.9             | 14                 | 10.8             | 14                | 19.4            | 13                 | 9.8              |
| 50          | 67922       | 415          | -63        | .          | 12                | 4.6             | 21                 | 13.6             | 33                | 35.4            | 13                 | 3.1              | 7                 | 1.4             | 17                 | 4.1              | 24                | 29.8            | 14                 | 6.8              |
| 30          | 78398       | 154          | -55        | .          | 11                | 3.1             | 31                 | 17.1             | 39                | 56.4            | 15                 | 4.6              | 6                 | 0.9             | 11                 | 1.8              | 30                | 12.8            | 15                 | 2.8              |
| 20          | 87131       | 250          | -49        | .          | 6                 | 1.4             | 10                 | 4.7              | 23                | 26.4            | 13                 | 1.2              | 3                 | 1.2             | 4                  | 1.1              | 23                | 11.6            | 7                  | 1.6              |
| 10          | 102171      | 286          | -39        | .          | 11                | 2.9             | 21                 | 9.6              | 46                | 52.9            | 26                 | 2.6              | 7                 | 2.6             | 9                  | 2.3              | 47                | 23.3            | 15                 | 3.3              |

JUN Latitude= 0.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 27  | 23  | 0     | 0.0 | 0     | 0.0  | 13    | 46.9 | 0     | 0.0  |
| 1000 | 347    | -17  | 25  | 23  | 0     | 0.0 | 5     | 0.4  | 14    | 61.1 | 0     | 0.0  |
| 850  | 4964   | 184  | 17  | 10  | 0     | 0.0 | 12    | 1.3  | 17    | 61.3 | 0     | 0.0  |
| 700  | 10333  | 451  | 10  | -4  | 5     | 1.8 | 9     | 3.6  | 10    | 16.8 | 15    | 17.3 |
| 500  | 19256  | 967  | -5  | -17 | 8     | 4.3 | 7     | 3.4  | 9     | 9.8  | 15    | 38.6 |
| 400  | 24895  | 1321 | -16 | -28 | 8     | 5.1 | 14    | 9.6  | 10    | 13.9 | 14    | 25.0 |
| 300  | 31813  | 1748 | -31 | -43 | 9     | 5.3 | 16    | 29.9 | 10    | 7.4  | 12    | 13.6 |
| 250  | 35955  | 1956 | -41 | .   | 11    | 6.3 | 22    | 40.4 | 11    | 5.4  | 14    | 7.9  |
| 200  | 40805  | 2143 | -54 | .   | 14    | 2.8 | 30    | 54.8 | 12    | 2.4  | 13    | 5.8  |
| 150  | 46696  | 2049 | -67 | .   | 13    | 2.3 | 41    | 69.4 | 13    | 3.3  | 11    | 2.8  |
| 100  | 54520  | 1437 | -74 | .   | 11    | 2.9 | 27    | 58.3 | 11    | 3.9  | 14    | 2.9  |
| 70   | 61337  | 833  | -72 | .   | 9     | 4.8 | 24    | 34.0 | 9     | 5.3  | 15    | 18.8 |
| 50   | 67925  | 418  | -63 | .   | 10    | 4.4 | 32    | 39.3 | 10    | 1.6  | 25    | 27.8 |
| 30   | 78405  | 161  | -55 | .   | 10    | 3.4 | 39    | 60.1 | 7     | 1.8  | 31    | 10.3 |
| 20   | 87137  | 256  | -49 | .   | 6     | 1.2 | 23    | 26.7 | 4     | 1.4  | 23    | 9.9  |
| 10   | 102176 | 291  | -38 | .   | 13    | 2.6 | 46    | 53.6 | 9     | 2.9  | 47    | 19.9 |

JUN Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 27  | 20  | 0     | 0.0  | 0     | 0.0  | 14    | 23.4 | 0     | 0.0  |
| 1000 | 353    | -11  | 26  | 21  | 0     | 0.0  | 0     | 0.0  | 15    | 40.9 | 0     | 0.0  |
| 850  | 4981   | 201  | 17  | 11  | 0     | 0.0  | 0     | 0.0  | 22    | 35.4 | 0     | 0.0  |
| 700  | 10350  | 468  | 10  | -0  | 2     | 0.1  | 4     | 0.3  | 11    | 14.6 | 17    | 24.1 |
| 500  | 19263  | 974  | -5  | -16 | 8     | 10.8 | 10    | 6.1  | 10    | 8.4  | 11    | 20.4 |
| 400  | 24897  | 1323 | -16 | -28 | 9     | 10.3 | 12    | 12.3 | 10    | 12.1 | 12    | 20.3 |
| 300  | 31812  | 1747 | -31 | -43 | 9     | 7.9  | 15    | 25.3 | 10    | 11.3 | 9     | 9.6  |
| 250  | 35955  | 1956 | -41 | .   | 10    | 8.9  | 20    | 33.9 | 11    | 6.1  | 10    | 3.4  |
| 200  | 40805  | 2143 | -54 | .   | 11    | 6.1  | 29    | 51.9 | 11    | 3.4  | 13    | 3.3  |
| 150  | 46699  | 2032 | -67 | .   | 15    | 3.8  | 41    | 66.6 | 12    | 1.9  | 13    | 2.3  |
| 100  | 54526  | 1443 | -74 | .   | 12    | 3.1  | 29    | 64.1 | 10    | 2.6  | 11    | 2.3  |
| 70   | 61340  | 836  | -72 | .   | 10    | 6.1  | 26    | 41.3 | 10    | 4.6  | 11    | 6.8  |
| 50   | 67920  | 413  | -63 | .   | 10    | 4.6  | 34    | 45.8 | 9     | 2.1  | 20    | 18.4 |
| 30   | 78399  | 155  | -55 | .   | 12    | 1.9  | 39    | 61.6 | 8     | 1.1  | 24    | 4.8  |
| 20   | 87131  | 250  | -49 | .   | 6     | 1.1  | 23    | 28.7 | 0     | 0.0  | 16    | 6.6  |
| 10   | 102183 | 298  | -39 | .   | 12    | 2.3  | 46    | 57.6 | 0     | 0.0  | 31    | 13.3 |

JUN Latitude= 2.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 16.7            | 17                 | 83.2             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 345         | -19          | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 12                 | 0.1              | 16                | 31.3            | 19                 | 68.3             | 10                | 0.1             | 0                  | 0.0              |
| 850         | 4968        | 188          | 17         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 1.6              | 21                | 30.3            | 24                 | 67.9             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10341       | 459          | 10         | -2         | 4                 | 0.9             | 7                  | 0.3              | 5                 | 1.1             | 5                  | 1.1              | 10                | 5.6             | 17                 | 49.8             | 17                | 38.4            | 6                  | 1.9              |
| 500         | 19259       | 970          | -5         | -16        | 9                 | 9.9             | 9                  | 5.9              | 9                 | 4.1             | 9                  | 4.1              | 10                | 7.8             | 12                 | 20.8             | 14                | 30.9            | 10                 | 15.8             |
| 400         | 24897       | 1323         | -16        | -28        | 10                | 9.3             | 9                  | 6.4              | 12                | 8.6             | 10                 | 9.4              | 11                | 12.3            | 10                 | 17.6             | 13                | 23.1            | 10                 | 12.3             |
| 300         | 31816       | 1751         | -31        | -43        | 9                 | 7.6             | 11                 | 11.9             | 15                | 23.4            | 13                 | 16.3             | 10                | 9.9             | 10                 | 9.9              | 10                | 11.4            | 9                  | 8.6              |
| 250         | 35957       | 1958         | -41        | .          | 10                | 7.8             | 14                 | 11.9             | 21                | 36.3            | 17                 | 18.9             | 10                | 6.8             | 10                 | 5.1              | 13                | 5.6             | 10                 | 6.8              |
| 200         | 40807       | 2145         | -54        | .          | 11                | 3.8             | 17                 | 14.8             | 31                | 55.4            | 21                 | 10.9             | 11                | 4.8             | 12                 | 2.8              | 13                | 3.8             | 10                 | 3.3              |
| 150         | 46699       | 2052         | -67        | .          | 13                | 3.1             | 20                 | 11.6             | 43                | 69.4            | 21                 | 9.3              | 13                | 1.6             | 17                 | 1.6              | 12                | 1.3             | 13                 | 1.3              |
| 100         | 54524       | 1441         | -74        | .          | 8                 | 2.8             | 17                 | 11.9             | 30                | 67.6            | 18                 | 9.1              | 11                | 3.6             | 15                 | 1.9              | 11                | 0.9             | 7                  | 1.3              |
| 70          | 61340       | 836          | -72        | .          | 9                 | 5.6             | 15                 | 15.6             | 26                | 43.9            | 13                 | 8.6              | 8                 | 5.4             | 12                 | 7.3              | 13                | 6.8             | 10                 | 5.8              |
| 50          | 67923       | 416          | -63        | .          | 11                | 3.8             | 20                 | 14.1             | 34                | 45.9            | 13                 | 4.9              | 7                 | 1.4             | 12                 | 4.1              | 19                | 18.4            | 14                 | 6.8              |
| 30          | 78403       | 159          | -55        | .          | 13                | 2.8             | 29                 | 17.1             | 40                | 62.3            | 17                 | 5.4              | 5                 | 1.3             | 12                 | 1.4              | 22                | 6.8             | 19                 | 2.3              |
| 20          | 87135       | 254          | -49        | .          | 4                 | 0.6             | 10                 | 4.1              | 23                | 28.7            | 9                  | 1.9              | 5                 | 1.1             | 7                  | 2.1              | 16                | 7.7             | 10                 | 3.1              |
| 10          | 102187      | 302          | -39        | .          | 9                 | 1.3             | 20                 | 8.3              | 46                | 57.6            | 19                 | 3.9              | 10                | 2.3             | 15                 | 4.3              | 33                | 15.6            | 20                 | 6.3              |

JUN Latitude= 2.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 12.4            | 17                 | 87.5             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 335         | -29          | 25         | 23         | 3                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 6                  | 0.4              | 16                | 23.1            | 18                 | 75.4             | 9                 | 0.3             | 4                  | 0.1              |
| 850         | 4958        | 178          | 18         | 10         | 0                 | 0.0             | 0                  | 0.0              | 10                | 0.9             | 15                 | 1.4              | 19                | 33.9            | 23                 | 63.3             | 19                | 0.1             | 0                  | 0.0              |
| 700         | 10334       | 452          | 11         | -2         | 9                 | 1.1             | 9                  | 0.4              | 6                 | 1.1             | 6                  | 0.4              | 10                | 4.6             | 17                 | 36.6             | 18                | 50.1            | 11                 | 4.9              |
| 500         | 19256       | 967          | -5         | -17        | 9                 | 8.3             | 10                 | 2.6              | 8                 | 2.9             | 6                  | 3.3              | 10                | 3.8             | 13                 | 21.1             | 16                | 41.4            | 11                 | 15.8             |
| 400         | 24894       | 1320         | -16        | -29        | 9                 | 8.9             | 9                  | 3.3              | 11                | 7.4             | 10                 | 7.1              | 10                | 13.1            | 12                 | 19.8             | 15                | 26.4            | 10                 | 13.1             |
| 300         | 31814       | 1749         | -32        | -43        | 9                 | 6.4             | 12                 | 10.8             | 14                | 24.3            | 14                 | 17.4             | 10                | 8.9             | 10                 | 10.3             | 12                | 12.9            | 9                  | 8.3              |
| 250         | 35955       | 1956         | -41        | .          | 10                | 6.4             | 14                 | 12.9             | 21                | 39.4            | 17                 | 16.6             | 10                | 5.9             | 10                 | 5.1              | 14                | 6.1             | 9                  | 6.9              |
| 200         | 40805       | 2143         | -54        | .          | 10                | 2.9             | 22                 | 14.4             | 32                | 57.9            | 18                 | 10.4             | 12                | 4.8             | 11                 | 2.1              | 14                | 3.8             | 9                  | 2.9              |
| 150         | 46698       | 2051         | -67        | .          | 13                | 2.1             | 20                 | 8.9              | 43                | 74.1            | 23                 | 8.3              | 14                | 1.6             | 15                 | 1.8              | 10                | 0.9             | 10                 | 1.8              |
| 100         | 54518       | 1435         | -74        | .          | 9                 | 1.8             | 17                 | 8.8              | 32                | 69.6            | 19                 | 12.3             | 13                | 2.9             | 11                 | 1.8              | 9                 | 1.3             | 9                  | 0.9              |
| 70          | 61334       | 830          | -71        | .          | 8                 | 5.0             | 17                 | 10.7             | 24                | 48.4            | 13                 | 12.6             | 10                | 6.2             | 12                 | 5.2              | 15                | 7.0             | 10                 | 4.2              |
| 50          | 67921       | 414          | -63        | .          | 11                | 2.3             | 19                 | 9.8              | 32                | 49.8            | 13                 | 6.1              | 10                | 2.8             | 15                 | 6.4              | 20                | 16.4            | 15                 | 5.3              |
| 30          | 78404       | 160          | -55        | .          | 15                | 1.1             | 28                 | 11.9             | 41                | 63.4            | 16                 | 10.3             | 13                | 2.4             | 19                 | 4.3              | 23                | 5.3             | 12                 | 0.6              |
| 20          | 87137       | 256          | -49        | .          | 6                 | 0.4             | 11                 | 3.7              | 23                | 29.1            | 9                  | 2.1              | 5                 | 2.1             | 14                 | 4.4              | 16                | 6.2             | 5                  | 1.2              |
| 10          | 102182      | 297          | -39        | .          | 12                | 0.9             | 22                 | 7.6              | 47                | 58.3            | 17                 | 4.3              | 11                | 4.3             | 28                 | 8.9              | 33                | 12.6            | 11                 | 2.6              |

JUN Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | NE   | SE  | E    | SE  | S    | SW  | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 28  | 17  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 14  | 86.9 | 0   |
| 1000 | 331    | -33  | 28  | 20  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 17  | 78.9 | 0   |
| 850  | 4964   | 184  | 18  | 13  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 25  | 92.9 | 0   |
| 700  | 10351  | 469  | 10  | 2   | 5   | 0.4  | 4   | 0.4  | 5   | 0.1  | 15  | 53.3 | 10  |
| 500  | 19266  | 977  | -5  | -16 | 9   | 18.8 | 12  | 19.3 | 7   | 4.6  | 9   | 11.8 | 9   |
| 400  | 24898  | 1324 | -16 | -29 | 9   | 11.6 | 12  | 17.3 | 11  | 9.9  | 10  | 9.4  | 11  |
| 300  | 31812  | 1747 | -31 | -44 | 9   | 9.4  | 13  | 17.3 | 14  | 15.6 | 9   | 3.9  | 10  |
| 250  | 35959  | 1960 | -41 | .   | 12  | 5.1  | 15  | 18.3 | 18  | 17.4 | 11  | 2.1  | 10  |
| 200  | 40815  | 2153 | -54 | .   | 14  | 3.6  | 19  | 13.6 | 23  | 11.1 | 9   | 0.8  | 13  |
| 150  | 46715  | 2068 | -67 | .   | 16  | 2.6  | 21  | 11.1 | 26  | 9.8  | 16  | 1.8  | 11  |
| 100  | 54533  | 1450 | -75 | .   | 11  | 1.6  | 21  | 11.4 | 34  | 73.1 | 13  | 1.4  | 0   |
| 70   | 61346  | 842  | -72 | .   | 10  | 3.4  | 17  | 18.1 | 28  | 61.9 | 11  | 1.4  | 12  |
| 50   | 67929  | 422  | -63 | .   | 10  | 4.1  | 19  | 17.3 | 35  | 60.3 | 13  | 1.4  | 10  |
| 30   | 78418  | 174  | -55 | .   | 16  | 2.8  | 27  | 16.3 | 40  | 71.3 | 4   | 0.3  | 16  |
| 20   | 87154  | 273  | -49 | .   | 9   | 3.2  | 8   | 4.1  | 21  | 32.1 | 3   | 0.7  | 6   |
| 10   | 102213 | 328  | -39 | .   | 18  | 6.6  | 16  | 8.3  | 43  | 64.3 | 9   | 1.6  | 12  |

JUN Latitude= 5.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | NE   | SE  | E    | SE  | S    | SW  | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 30  | 19  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 15  | 75.8 | 0   |
| 1000 | 310    | -54  | 27  | 21  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 20  | 79.1 | 8   |
| 850  | 4953   | 173  | 18  | 11  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 28  | 95.4 | 25  |
| 700  | 10340  | 458  | 10  | 2   | 6   | 0.6  | 4   | 0.3  | 0   | 0.0  | 18  | 21.6 | 18  |
| 500  | 19258  | 969  | -5  | -16 | 10  | 19.1 | 12  | 14.4 | 10  | 5.8  | 12  | 12.1 | 11  |
| 400  | 24896  | 1322 | -16 | -29 | 10  | 11.8 | 10  | 13.1 | 12  | 10.8 | 11  | 12.1 | 11  |
| 300  | 31816  | 1751 | -31 | -44 | 9   | 7.3  | 12  | 16.3 | 15  | 31.3 | 11  | 12.1 | 11  |
| 250  | 35960  | 1961 | -41 | .   | 11  | 3.9  | 15  | 15.9 | 22  | 43.8 | 10  | 5.9  | 10  |
| 200  | 40814  | 2152 | -54 | .   | 12  | 2.6  | 17  | 13.6 | 32  | 62.9 | 11  | 2.1  | 10  |
| 150  | 46713  | 2066 | -67 | .   | 10  | 2.4  | 23  | 9.6  | 45  | 74.3 | 15  | 2.1  | 10  |
| 100  | 54529  | 1446 | -75 | .   | 9   | 0.6  | 20  | 10.4 | 36  | 75.0 | 12  | 1.4  | 19  |
| 70   | 61344  | 840  | -71 | .   | 9   | 2.9  | 18  | 18.6 | 28  | 61.8 | 9   | 1.9  | 14  |
| 50   | 67927  | 420  | -63 | .   | 9   | 4.6  | 21  | 17.4 | 34  | 60.8 | 11  | 1.4  | 10  |
| 30   | 78418  | 174  | -55 | .   | 13  | 1.8  | 27  | 16.4 | 40  | 71.3 | 7   | 1.1  | 11  |
| 20   | 87154  | 273  | -49 | .   | 5   | 1.1  | 9   | 4.4  | 21  | 32.1 | 4   | 0.8  | 8   |
| 10   | 102213 | 328  | -39 | .   | 11  | 2.3  | 19  | 8.9  | 43  | 64.3 | 13  | 2.9  | 16  |

JUN Latitude= 5.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 27         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 18                | 4.3             | 21                 | 95.6             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 309         | -55          | 25         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 19                | 4.9             | 24                 | 94.6             | 12                | 0.3             | 0                  | 0.0              |
| 850         | 4942        | 162          | 18         | 9          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 23                | 2.3             | 31                 | 92.6             | 25                | 4.6             | 4                  | 0.3              |
| 700         | 10330       | 448          | 10         | 1          | 9                 | 1.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 11                | 0.6             | 18                 | 13.1             | 20                | 75.0            | 14                 | 9.6              |
| 500         | 19252       | 963          | -5         | -17        | 10                | 17.1            | 11                 | 10.1             | 8                 | 2.9             | 5                  | 2.4              | 8                 | 2.4             | 13                 | 12.3             | 14                | 31.8            | 10                 | 20.1             |
| 400         | 24893       | 1319         | -16        | -29        | 9                 | 13.1            | 9                  | 8.9              | 11                | 7.9             | 9                  | 6.9              | 8                 | 9.4             | 11                 | 16.3             | 13                | 22.9            | 10                 | 13.4             |
| 300         | 31817       | 1752         | -31        | -43        | 8                 | 8.1             | 12                 | 13.4             | 15                | 27.6            | 11                 | 19.1             | 9                 | 5.4             | 9                  | 8.6              | 10                | 4.6             | 10                 | 5.3              |
| 250         | 35960       | 1961         | -41        |            | 8                 | 4.8             | 15                 | 15.8             | 22                | 44.1            | 18                 | 14.9             | 10                | 4.8             | 9                  | 4.6              | 10                | 4.6             | 10                 | 5.3              |
| 200         | 40816       | 2154         | -54        |            | 9                 | 2.4             | 21                 | 10.9             | 33                | 65.4            | 21                 | 10.6             | 9                 | 2.8             | 11                 | 2.4              | 11                | 2.6             | 11                 | 2.1              |
| 150         | 46716       | 2069         | -67        |            | 13                | 1.1             | 19                 | 6.4              | 46                | 78.3            | 25                 | 8.3              | 13                | 1.6             | 14                 | 1.6              | 9                 | 0.8             | 7                  | 1.3              |
| 100         | 54529       | 1446         | -75        |            | 6                 | 0.8             | 22                 | 7.1              | 37                | 77.6            | 24                 | 10.8             | 10                | 1.3             | 8                  | 1.1              | 20                | 0.6             | 7                  | 0.3              |
| 70          | 61344       | 840          | -71        |            | 8                 | 3.3             | 16                 | 12.6             | 29                | 64.9            | 17                 | 9.7              | 10                | 3.7             | 8                  | 1.6              | 16                | 1.8             | 12                 | 1.6              |
| 50          | 67929       | 422          | -63        |            | 9                 | 2.9             | 19                 | 13.1             | 33                | 62.6            | 14                 | 7.4              | 10                | 2.6             | 8                  | 2.9              | 12                | 3.9             | 9                  | 3.8              |
| 30          | 78417       | 173          | -55        |            | 13                | 0.4             | 28                 | 10.6             | 41                | 70.3            | 20                 | 11.1             | 13                | 2.6             | 12                 | 1.8              | 12                | 1.4             | 9                  | 1.1              |
| 20          | 87149       | 268          | -49        |            | 2                 | 0.2             | 10                 | 3.9              | 22                | 31.2            | 8                  | 3.9              | 7                 | 3.6             | 9                  | 2.4              | 8                 | 2.1             | 7                  | 1.7              |
| 10          | 102215      | 330          | -39        |            | 4                 | 0.6             | 20                 | 7.9              | 45                | 62.6            | 15                 | 7.9              | 15                | 7.3             | 19                 | 4.9              | 16                | 4.3             | 14                 | 3.6              |

JUN Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 27         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 14                | 3.3             | 15                 | 96.6             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 310         | -54          | 29         | 20         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 17                | 12.8            | 19                 | 86.9             | 13                | 0.1             | 0                  | 0.0              |
| 850         | 4928        | 148          | 21         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 24                | 3.8             | 25                 | 95.6             | 18                | 0.4             | 0                  | 0.0              |
| 700         | 10340       | 458          | 11         | 5          | 9                 | 3.4             | 4                  | 0.6              | 2                 | 0.4             | 0                  | 0.0              | 7                 | 0.6             | 13                 | 14.1             | 14                | 58.3            | 11                 | 22.1             |
| 500         | 19274       | 985          | -5         | -17        | 10                | 17.6            | 14                 | 44.1             | 13                | 12.9            | 6                  | 3.4              | 7                 | 1.9             | 8                  | 3.3              | 7                 | 6.1             | 8                  | 8.8              |
| 400         | 24902       | 1328         | -16        | -27        | 9                 | 9.4             | 13                 | 29.8             | 18                | 47.6            | 14                 | 12.1             | 10                | 4.3             | 9                  | 4.6              | 10                | 3.4             | 8                  | 8.1              |
| 300         | 31815       | 1750         | -31        | -43        | 10                | 6.3             | 13                 | 21.6             | 18                | 47.6            | 14                 | 12.1             | 10                | 4.3             | 8                  | 2.1              | 8                 | 2.1             | 7                  | 3.4              |
| 250         | 35973       | 1974         | -41        |            | 12                | 5.4             | 17                 | 17.6             | 24                | 54.1            | 19                 | 16.1             | 10                | 2.1             | 8                  | 0.9              | 11                | 0.8             | 11                 | 2.3              |
| 200         | 40838       | 2176         | -53        |            | 16                | 2.4             | 20                 | 12.1             | 32                | 70.9            | 24                 | 10.4             | 12                | 2.3             | 7                  | 0.3              | 11                | 0.6             | 19                 | 0.3              |
| 150         | 46747       | 2100         | -67        |            | 17                | 0.6             | 23                 | 11.3             | 45                | 75.9            | 25                 | 8.8              | 10                | 1.3             | 10                 | 0.6              | 7                 | 1.1             | 0                  | 0.0              |
| 100         | 54552       | 1469         | -75        |            | 10                | 0.4             | 25                 | 9.6              | 39                | 80.8            | 28                 | 7.6              | 10                | 0.9             | 4                  | 0.1              | 0                 | 0.0             | 2                  | 0.1              |
| 70          | 61360       | 856          | -71        |            | 7                 | 0.4             | 19                 | 12.1             | 32                | 79.6            | 21                 | 5.1              | 16                | 1.3             | 3                  | 0.1              | 17                | 0.3             | 11                 | 0.6              |
| 50          | 67948       | 441          | -64        |            | 7                 | 1.1             | 21                 | 14.1             | 36                | 78.8            | 19                 | 4.8              | 5                 | 0.4             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 0.3              |
| 30          | 78441       | 197          | -54        |            | 14                | 0.4             | 26                 | 14.9             | 41                | 80.3            | 21                 | 3.4              | 8                 | 0.3             | 3                  | 0.1              | 0                 | 0.0             | 6                  | 0.1              |
| 20          | 87181       | 300          | -49        |            | 10                | 1.1             | 11                 | 5.6              | 19                | 38.7            | 9                  | 3.1              | 0                 | 0.0             | 0                  | 0.0              | 4                 | 0.4             | 3                  | 0.6              |
| 10          | 102252      | 367          | -40        |            | 21                | 2.3             | 23                 | 11.3             | 38                | 77.6            | 17                 | 6.3              | 0                 | 0.0             | 0                  | 0.0              | 9                 | 0.9             | 6                  | 1.3              |

JUN Latitude= 7.50 Longitude= 47.50

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 16         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 12                | 6.7             | 15                 | 93.2             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 283         | -81          | 29         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 17                | 6.8             | 20                 | 92.8             | 19                | 0.3             | 0                  | 0.0              |
| 850         | 4925        | 145          | 20         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 28                 | 95.3             | 26                | 4.6             | 0                  | 0.0              |
| 700         | 10336       | 454          | 10         | 5          | 9                 | 1.8             | 4                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 16                 | 7.6              | 18                | 68.1            | 14                 | 21.9             |
| 500         | 19261       | 972          | -5         | -16        | 10                | 19.4            | 14                 | 34.9             | 10                | 10.3            | 7                  | 1.3              | 8                 | 2.8             | 10                 | 4.8              | 10                | 10.9            | 9                  | 13.8             |
| 400         | 24896       | 1322         | -16        | -28        | 10                | 12.9            | 12                 | 27.6             | 13                | 22.3            | 9                  | 7.4              | 6                 | 4.6             | 10                 | 6.1              | 10                | 8.8             | 8                  | 8.9              |
| 300         | 31814       | 1749         | -31        | -43        | 9                 | 6.8             | 14                 | 24.1             | 17                | 44.8            | 12                 | 10.9             | 9                 | 3.9             | 9                  | 2.8              | 9                 | 2.3             | 7                  | 3.8              |
| 250         | 35971       | 1972         | -41        | .          | 12                | 5.1             | 19                 | 17.4             | 23                | 56.4            | 1                  | 13.1             | 10                | 2.3             | 7                  | 1.9              | 8                 | 1.6             | 11                 | 1.3              |
| 200         | 40836       | 2174         | -53        | .          | 14                | 1.1             | 19                 | 11.3             | 33                | 71.9            | 22                 | 10.9             | 11                | 1.6             | 9                  | 0.8              | 6                 | 0.6             | 9                  | 1.1              |
| 150         | 46747       | 2100         | -67        | .          | 13                | 1.1             | 22                 | 7.8              | 45                | 81.1            | 24                 | 7.1              | 14                | 1.3             | 10                 | 0.6              | 7                 | 0.3             | 9                  | 0.3              |
| 100         | 54552       | 1469         | -75        | .          | 6                 | 0.3             | 23                 | 8.4              | 42                | 81.6            | 25                 | 8.1              | 9                 | 0.6             | 6                  | 0.4              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61362       | 858          | -71        | .          | 9                 | 1.3             | 21                 | 12.1             | 33                | 77.9            | 21                 | 5.8              | 11                | 1.1             | 11                 | 0.4              | 13                | 0.3             | 19                 | 0.4              |
| 50          | 67948       | 441          | -64        | .          | 11                | 1.8             | 23                 | 16.3             | 37                | 75.6            | 20                 | 5.1              | 6                 | 0.3             | 0                  | 0.0              | 3                 | 0.1             | 9                  | 0.4              |
| 30          | 78443       | 199          | -54        | .          | 11                | 0.8             | 28                 | 14.4             | 41                | 79.6            | 22                 | 4.6              | 7                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 5                  | 0.1              |
| 20          | 87179       | 298          | -49        | .          | 9                 | 0.9             | 10                 | 5.2              | 19                | 38.4            | 10                 | 3.6              | 6                 | 0.6             | 0                  | 0.0              | 3                 | 0.4             | 3                  | 0.2              |
| 10          | 102260      | 375          | -40        | .          | 17                | 1.9             | 20                 | 10.6             | 39                | 76.9            | 19                 | 7.3              | 12                | 1.3             | 0                  | 0.0              | 5                 | 0.9             | 7                  | 0.6              |

JUN Latitude= 7.50 Longitude= 50.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 16.4            | 25                 | 83.5             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 255         | -109         | 28         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 26                | 9.4             | 26                 | 90.4             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4910        | 130          | 20         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 34                 | 85.4             | 29                | 14.4            | 0                  | 0.0              |
| 700         | 10324       | 442          | 10         | 4          | 12                | 1.9             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 22                 | 2.6              | 19                | 71.3            | 16                 | 23.9             |
| 500         | 19250       | 961          | -5         | -16        | 10                | 23.9            | 14                 | 22.6             | 10                | 7.8             | 4                  | 0.8              | 6                 | 1.4             | 10                 | 5.3              | 13                | 20.9            | 9                  | 15.6             |
| 400         | 24891       | 1317         | -16        | -29        | 10                | 12.8            | 12                 | 20.9             | 12                | 20.4            | 9                  | 6.4              | 7                 | 4.4             | 11                 | 7.9              | 12                | 12.6            | 9                  | 13.6             |
| 300         | 31818       | 1753         | -31        | -43        | 8                 | 6.3             | 13                 | 21.9             | 16                | 43.8            | 12                 | 12.1             | 8                 | 3.4             | 9                  | 4.1              | 9                 | 2.9             | 8                  | 4.1              |
| 250         | 35970       | 1971         | -41        | .          | 9                 | 4.9             | 17                 | 17.4             | 23                | 54.3            | 18                 | 13.9             | 11                | 3.4             | 8                  | 1.4              | 11                | 0.9             | 9                  | 2.9              |
| 200         | 40837       | 2175         | -53        | .          | 10                | 2.1             | 20                 | 8.1              | 34                | 73.6            | 21                 | 10.9             | 8                 | 1.1             | 9                  | 1.4              | 10                | 0.8             | 11                 | 1.1              |
| 150         | 46749       | 2102         | -67        | .          | 9                 | 0.9             | 20                 | 6.4              | 47                | 80.9            | 27                 | 8.1              | 12                | 1.9             | 12                 | 0.8              | 5                 | 0.3             | 0                  | 0.0              |
| 100         | 54554       | 1471         | -75        | .          | 5                 | 0.4             | 21                 | 5.6              | 44                | 84.3            | 28                 | 7.9              | 8                 | 0.3             | 7                  | 0.4              | 5                 | 0.6             | 0                  | 0.0              |
| 70          | 61366       | 862          | -71        | .          | 11                | 1.6             | 20                 | 10.2             | 33                | 77.7            | 23                 | 7.2              | 7                 | 0.5             | 6                  | 0.5              | 7                 | 0.5             | 13                 | 1.5              |
| 50          | 67947       | 440          | -64        | .          | 11                | 2.4             | 23                 | 13.6             | 36                | 76.8            | 19                 | 5.3              | 15                | 0.3             | 7                  | 0.3              | 6                 | 0.1             | 10                 | 0.8              |
| 30          | 78439       | 195          | -54        | .          | 17                | 0.6             | 28                 | 10.9             | 42                | 77.3            | 24                 | 9.9              | 9                 | 0.6             | 4                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87175       | 294          | -49        | .          | 7                 | 0.9             | 11                 | 3.9              | 20                | 37.2            | 9                  | 4.7              | 10                | 1.4             | 2                  | 0.2              | 2                 | 0.2             | 2                  | 0.4              |
| 10          | 102259      | 374          | -40        | .          | 13                | 1.9             | 22                 | 7.9              | 39                | 74.6            | 18                 | 9.6              | 21                | 2.9             | 4                  | 0.6              | 4                 | 0.6             | 4                  | 0.9              |

JUL Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 14                | 50.3            | 15                 | 49.6             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 385         | 21           | 24         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 1.7              | 16                | 66.5            | 17                 | 31.6             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4988        | 208          | 16         | 9          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 22                 | 12.6             | 22                | 73.3            | 22                 | 14.0             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10334       | 452          | 9          | -4         | 0                 | 0.0             | 0                  | 0.0              | 13                | 1.1             | 14                 | 15.1             | 14                | 33.9            | 18                 | 45.7             | 21                | 3.8             | 0                  | 0.0              |
| 500         | 19233       | 944          | -6         | -17        | 7                 | 5.9             | 10                 | 10.6             | 11                | 10.8            | 10                 | 11.4             | 11                | 14.5            | 13                 | 17.4             | 13                | 20.5            | 10                 | 7.7              |
| 400         | 24856       | 1282         | -17        | -28        | 10                | 7.7             | 9                  | 8.7              | 13                | 16.6            | 11                 | 16.4             | 10                | 11.9            | 10                 | 11.7             | 10                | 14.3            | 9                  | 11.9             |
| 300         | 31749       | 1684         | -32        | -43        | 10                | 8.5             | 12                 | 16.0             | 17                | 26.6            | 12                 | 15.8             | 10                | 9.7             | 9                  | 6.1              | 11                | 8.5             | 12                 | 7.7              |
| 250         | 35873       | 1874         | -42        | .          | 14                | 7.4             | 16                 | 20.6             | 21                | 37.1            | 14                 | 13.4             | 10                | 5.4             | 10                 | 4.0              | 14                | 5.6             | 12                 | 6.1              |
| 200         | 40704       | 2042         | -55        | .          | 15                | 5.5             | 21                 | 22.1             | 29                | 49.1            | 17                 | 11.0             | 13                | 2.2             | 13                 | 2.2              | 13                | 3.2             | 11                 | 4.3              |
| 150         | 46580       | 1933         | -67        | .          | 14                | 6.4             | 24                 | 20.2             | 37                | 63.2            | 17                 | 5.3              | 16                | 1.7             | 6                  | 0.4              | 10                | 0.4             | 10                 | 1.6              |
| 100         | 54419       | 1336         | -73        | .          | 12                | 7.1             | 17                 | 17.7             | 24                | 49.8            | 16                 | 8.4              | 12                | 2.2             | 13                 | 2.9              | 20                | 5.5             | 14                 | 5.9              |
| 70          | 61313       | 809          | -69        | .          | 13                | 6.3             | 15                 | 11.8             | 26                | 30.7            | 12                 | 6.4              | 9                 | 2.9             | 15                 | 8.5              | 17                | 21.3            | 14                 | 11.8             |
| 50          | 67967       | 460          | -62        | .          | 16                | 2.8             | 22                 | 15.9             | 29                | 41.2            | 12                 | 5.3              | 11                | 2.3             | 17                 | 5.5              | 24                | 20.3            | 17                 | 5.8              |
| 30          | 78513       | 269          | -55        | .          | 16                | 1.3             | 33                 | 14.4             | 36                | 58.0            | 18                 | 5.7              | 8                 | 2.0             | 14                 | 4.3              | 29                | 11.5            | 21                 | 2.3              |
| 20          | 87234       | 353          | -49        | .          | 8                 | 1.3             | 8                  | 3.4              | 24                | 26.3            | 6                  | 2.9              | 3                 | 0.6             | 10                 | 2.0              | 22                | 9.5             | 15                 | 3.4              |
| 10          | 102227      | 342          | -40        | .          | 16                | 2.7             | 17                 | 6.9              | 47                | 52.7            | 13                 | 5.9              | 5                 | 1.3             | 20                 | 4.1              | 44                | 19.0            | 30                 | 6.9              |

JUL Latitude= 0.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 11                 | 0.3              | 14                | 51.9            | 15                 | 47.7             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 369         | 5            | 24         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 14                 | 2.7              | 16                | 66.3            | 17                 | 30.5             | 4                 | 0.3             | 0                  | 0.0              |
| 850         | 4973        | 193          | 16         | 9          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 21                 | 20.6             | 21                | 66.0            | 22                 | 13.2             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10324       | 442          | 10         | -5         | 1                 | 0.1             | 0                  | 0.0              | 12                | 3.2             | 12                 | 14.7             | 12                | 31.1            | 18                 | 46.5             | 22                | 4.2             | 0                  | 0.0              |
| 500         | 19231       | 942          | -6         | -17        | 8                 | 7.2             | 10                 | 7.2              | 10                | 9.6             | 8                  | 8.8              | 11                | 12.2            | 13                 | 23.4             | 14                | 22.1            | 10                 | 7.9              |
| 400         | 24854       | 1280         | -17        | -28        | 8                 | 7.7             | 8                  | 7.5              | 12                | 16.4            | 10                 | 13.8             | 10                | 10.1            | 10                 | 17.1             | 11                | 15.1            | 11                 | 11.1             |
| 300         | 31748       | 1683         | -33        | -43        | 11                | 9.2             | 13                 | 14.8             | 17                | 30.0            | 12                 | 13.2             | 10                | 9.2             | 9                  | 7.2              | 14                | 8.8             | 10                 | 6.7              |
| 250         | 35871       | 1872         | -42        | .          | 14                | 8.0             | 17                 | 20.1             | 22                | 38.4            | 15                 | 13.2             | 11                | 4.2             | 11                 | 3.8              | 15                | 6.3             | 10                 | 5.4              |
| 200         | 40702       | 2040         | -55        | .          | 13                | 5.8             | 24                 | 23.3             | 30                | 50.3            | 18                 | 8.0              | 12                | 3.0             | 10                 | 1.7              | 14                | 4.0             | 11                 | 3.2              |
| 150         | 46577       | 1930         | -67        | .          | 15                | 4.8             | 24                 | 20.8             | 39                | 62.7            | 16                 | 6.3              | 13                | 1.7             | 6                  | 1.2              | 11                | 0.4             | 10                 | 1.4              |
| 100         | 54416       | 1333         | -73        | .          | 12                | 5.6             | 18                 | 17.9             | 25                | 50.4            | 16                 | 10.5             | 9                 | 2.2             | 18                 | 4.2              | 20                | 4.6             | 17                 | 3.8              |
| 70          | 61310       | 806          | -69        | .          | 12                | 7.1             | 17                 | 12.2             | 26                | 31.7            | 12                 | 6.7              | 9                 | 3.5             | 17                 | 9.7              | 17                | 19.2            | 14                 | 8.8              |
| 50          | 67966       | 459          | -62        | .          | 11                | 2.6             | 24                 | 17.1             | 30                | 40.2            | 14                 | 4.8              | 11                | 2.5             | 16                 | 5.3              | 24                | 21.9            | 19                 | 5.2              |
| 30          | 78517       | 273          | -55        | .          | 9                 | 2.1             | 35                 | 14.2             | 37                | 57.0            | 20                 | 4.8              | 9                 | 0.8             | 13                 | 4.6              | 32                | 11.5            | 19                 | 4.5              |
| 20          | 87238       | 357          | -49        | .          | 4                 | 1.6             | 9                  | 2.7              | 23                | 26.1            | 7                  | 3.4              | 6                 | 1.1             | 11                 | 1.3              | 24                | 10.0            | 17                 | 3.0              |
| 10          | 102228      | 343          | -40        | .          | 9                 | 3.4             | 19                 | 5.5              | 47                | 52.4            | 15                 | 6.9              | 12                | 2.4             | 23                 | 2.7              | 49                | 20.1            | 35                 | 6.2              |

JUL Latitude= 0.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  |        |      | 26  | 23  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 14    | 39.3 | 0     |
| 1000 | 353    | -11  | 24  | 22  | 0     | 0.0 | 0     | 0.0  | 11    | 0.3  | 16    | 26.6 | 5     |
| 850  | 4960   | 180  | 16  | 10  | 0     | 0.0 | 18    | 0.4  | 19    | 25.6 | 20    | 9.8  | 0     |
| 700  | 10316  | 434  | 10  | -5  | 3     | 0.4 | 10    | 5.6  | 10    | 14.3 | 16    | 43.7 | 17    |
| 500  | 19227  | 938  | -6  | -17 | 7     | 6.3 | 9     | 7.4  | 8     | 8.2  | 13    | 21.1 | 14    |
| 400  | 24853  | 1279 | -17 | -29 | 8     | 4.8 | 12    | 15.9 | 10    | 13.0 | 12    | 15.9 | 12    |
| 300  | 31747  | 1682 | -32 | -44 | 10    | 7.1 | 12    | 15.8 | 12    | 11.8 | 12    | 8.0  | 13    |
| 250  | 35872  | 1873 | -42 | .   | 11    | 8.2 | 23    | 39.7 | 15    | 12.1 | 11    | 3.7  | 15    |
| 200  | 40704  | 2042 | -55 | .   | 15    | 6.6 | 25    | 22.6 | 17    | 7.9  | 11    | 1.9  | 17    |
| 150  | 46578  | 1931 | -67 | .   | 15    | 3.8 | 25    | 15.6 | 20    | 5.1  | 8     | 0.9  | 13    |
| 100  | 54416  | 1333 | -73 | .   | 11    | 3.8 | 17    | 14.8 | 17    | 12.1 | 20    | 3.5  | 18    |
| 70   | 61311  | 807  | -69 | .   | 11    | 6.7 | 18    | 10.0 | 12    | 6.9  | 17    | 9.0  | 17    |
| 50   | 67968  | 461  | -62 | .   | 12    | 1.6 | 24    | 14.9 | 9     | 2.5  | 15    | 5.3  | 23    |
| 30   | 78522  | 278  | -55 | .   | 11    | 2.3 | 34    | 12.0 | 21    | 5.3  | 11    | 3.5  | 30    |
| 20   | 87246  | 365  | -49 | .   | 5     | 1.5 | 10    | 2.3  | 7     | 3.0  | 9     | 1.5  | 25    |
| 10   | 102237 | 352  | -40 | .   | 10    | 3.1 | 19    | 4.8  | 14    | 6.2  | 18    | 3.1  | 50    |

JUL Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  |        |      | 27  | 19  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 14    | 66.4 | 0     |
| 1000 | 362    | -2   | 26  | 20  | 0     | 0.0  | 0     | 0.0  | 10    | 0.1  | 17    | 51.6 | 0     |
| 850  | 4979   | 199  | 16  | 10  | 0     | 0.0  | 0     | 0.0  | 27    | 0.1  | 26    | 58.6 | 0     |
| 700  | 10333  | 451  | 9   | -2  | 0     | 0.0  | 15    | 0.1  | 12    | 5.1  | 19    | 58.1 | 20    |
| 500  | 19232  | 943  | -6  | -16 | 8     | 10.3 | 11    | 17.2 | 9     | 8.4  | 12    | 14.2 | 11    |
| 400  | 24854  | 1280 | -17 | -28 | 10    | 9.3  | 12    | 19.8 | 10    | 18.0 | 11    | 7.5  | 11    |
| 300  | 31745  | 1680 | -32 | -44 | 11    | 6.6  | 13    | 22.4 | 13    | 16.3 | 10    | 4.5  | 9     |
| 250  | 35872  | 1873 | -42 | .   | 12    | 5.0  | 18    | 20.5 | 23    | 43.7 | 9     | 3.0  | 11    |
| 200  | 40707  | 2045 | -55 | .   | 16    | 3.3  | 23    | 17.6 | 31    | 62.1 | 9     | 2.2  | 17    |
| 150  | 46586  | 1939 | -67 | .   | 15    | 3.5  | 23    | 17.7 | 40    | 72.3 | 10    | 0.0  | 4     |
| 100  | 54421  | 1338 | -73 | .   | 11    | 3.8  | 21    | 17.3 | 29    | 65.0 | 15    | 1.2  | 20    |
| 70   | 61316  | 812  | -69 | .   | 9     | 6.3  | 19    | 11.8 | 28    | 49.3 | 14    | 5.0  | 15    |
| 50   | 67969  | 462  | -62 | .   | 12    | 3.0  | 24    | 11.8 | 32    | 52.2 | 21    | 3.3  | 21    |
| 30   | 78516  | 272  | -55 | .   | 20    | 1.4  | 31    | 10.5 | 38    | 67.3 | 10    | 0.8  | 24    |
| 20   | 87237  | 356  | -49 | .   | 12    | 2.5  | 10    | 3.0  | 8     | 3.0  | 7     | 0.7  | 17    |
| 10   | 102217 | 332  | -40 | .   | 24    | 5.1  | 21    | 6.1  | 17    | 6.1  | 14    | 1.6  | 34    |

JUL Latitude= 2.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | NE   | SE  | E    | SE  | S    | SW  | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  |        |      | 26  | 23  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 18  | 82.2 | 0   |
| 1000 | 353    | -11  | 25  | 22  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 19  | 71.8 | 15  |
| 850  | 4963   | 183  | 17  | 9   | 0   | 0.0  | 0   | 0.0  | 20  | 0.6  | 27  | 57.3 | 0   |
| 700  | 10323  | 441  | 10  | -3  | 0   | 0.0  | 8   | 1.4  | 9   | 4.6  | 19  | 62.1 | 21  |
| 500  | 19229  | 940  | -6  | -16 | 9   | 12.7 | 11  | 14.5 | 9   | 5.3  | 13  | 17.1 | 13  |
| 400  | 24855  | 1281 | -17 | -29 | 10  | 7.5  | 9   | 11.9 | 10  | 16.4 | 10  | 11.7 | 11  |
| 300  | 31749  | 1684 | -32 | -44 | 11  | 6.9  | 13  | 18.9 | 14  | 15.3 | 10  | 5.5  | 11  |
| 250  | 35873  | 1874 | -42 | .   | 14  | 5.1  | 18  | 20.1 | 23  | 47.1 | 14  | 3.7  | 13  |
| 200  | 40706  | 2044 | -55 | .   | 14  | 3.5  | 24  | 19.0 | 31  | 63.9 | 10  | 1.4  | 11  |
| 150  | 46585  | 1938 | -67 | .   | 16  | 3.5  | 21  | 15.3 | 43  | 74.4 | 4   | 0.3  | 7   |
| 100  | 54420  | 1337 | -73 | .   | 13  | 2.4  | 21  | 14.7 | 30  | 67.9 | 23  | 1.4  | 20  |
| 70   | 61315  | 811  | -69 | .   | 11  | 4.8  | 18  | 14.2 | 28  | 49.0 | 13  | 5.9  | 16  |
| 50   | 67970  | 463  | -62 | .   | 14  | 0.9  | 25  | 13.1 | 33  | 52.1 | 17  | 3.5  | 21  |
| 30   | 78521  | 277  | -55 | .   | 17  | 2.4  | 32  | 12.6 | 39  | 66.5 | 9   | 1.6  | 28  |
| 20   | 87242  | 361  | -49 | .   | 10  | 2.0  | 9   | 2.8  | 24  | 29.3 | 7   | 0.7  | 18  |
| 10   | 102225 | 340  | -40 | .   | 20  | 4.1  | 17  | 5.8  | 48  | 58.7 | 14  | 1.6  | 37  |

JUL Latitude= 2.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | NE   | SE  | E    | SE  | S    | SW  | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  |        |      | 26  | 23  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 17  | 82.2 | 0   |
| 1000 | 342    | -22  | 24  | 22  | 0   | 0.0  | 0   | 0.0  | 7   | 0.1  | 17  | 73.8 | 15  |
| 850  | 4951   | 171  | 17  | 10  | 0   | 0.0  | 10  | 0.1  | 17  | 2.5  | 25  | 50.2 | 0   |
| 700  | 10315  | 433  | 10  | -4  | 4   | 0.1  | 9   | 1.9  | 8   | 3.0  | 19  | 56.0 | 20  |
| 500  | 19228  | 939  | -6  | -16 | 9   | 10.0 | 8   | 6.6  | 7   | 4.6  | 13  | 21.9 | 15  |
| 400  | 24853  | 1279 | -17 | -28 | 8   | 8.0  | 11  | 14.0 | 11  | 14.2 | 10  | 5.6  | 12  |
| 300  | 31748  | 1683 | -33 | -44 | 12  | 5.6  | 13  | 17.3 | 18  | 36.0 | 11  | 13.4 | 13  |
| 250  | 35372  | 1873 | -42 | .   | 13  | 5.9  | 18  | 18.0 | 24  | 48.4 | 10  | 3.3  | 15  |
| 200  | 40705  | 2043 | -55 | .   | 14  | 3.7  | 26  | 18.7 | 32  | 63.9 | 12  | 1.1  | 13  |
| 150  | 46582  | 1935 | -67 | .   | 14  | 2.7  | 22  | 10.8 | 44  | 78.4 | 8   | 0.3  | 11  |
| 100  | 54416  | 1333 | -73 | .   | 12  | 1.6  | 20  | 11.6 | 31  | 70.2 | 20  | 2.2  | 23  |
| 70   | 61311  | 807  | -69 | .   | 11  | 3.0  | 19  | 13.7 | 26  | 49.6 | 13  | 7.7  | 18  |
| 50   | 67967  | 460  | -62 | .   | 11  | 1.4  | 27  | 10.1 | 33  | 52.7 | 20  | 16.1 | 20  |
| 30   | 78520  | 276  | -55 | .   | 15  | 1.2  | 28  | 9.7  | 40  | 67.6 | 14  | 2.2  | 24  |
| 20   | 87237  | 356  | -49 | .   | 6   | 1.4  | 9   | 3.8  | 24  | 29.6 | 10  | 1.0  | 17  |
| 10   | 102224 | 339  | -40 | .   | 13  | 2.9  | 17  | 7.7  | 47  | 59.3 | 20  | 2.2  | 35  |

JUL Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 27  | 16  | 0     | 0.0  | 0     | 0.0  | 13    | 17.0 | 15    | 82.9 |
| 1000 | 336    | -28  | 28  | 19  | 0     | 0.0  | 0     | 0.0  | 16    | 23.1 | 18    | 76.8 |
| 850  | 4961   | 181  | 18  | 12  | 0     | 0.0  | 0     | 0.0  | 27    | 8.5  | 27    | 91.4 |
| 700  | 10332  | 450  | 10  | 1   | 0     | 0.0  | 0     | 0.0  | 14    | 5.4  | 17    | 53.3 |
| 500  | 19237  | 948  | -6  | -15 | 10    | 12.2 | 12    | 29.0 | 9     | 5.0  | 11    | 7.2  |
| 400  | 24858  | 1284 | -17 | -29 | 9     | 9.0  | 13    | 20.5 | 8     | 5.9  | 8     | 3.5  |
| 300  | 31749  | 1684 | -32 | -44 | 12    | 5.6  | 17    | 22.6 | 16    | 12.2 | 7     | 1.7  |
| 250  | 35881  | 1882 | -42 |     | 15    | 4.0  | 23    | 19.0 | 10    | 2.2  | 10    | 0.4  |
| 200  | 40721  | 2059 | -54 |     | 14    | 1.9  | 28    | 13.9 | 12    | 1.9  | 11    | 0.9  |
| 150  | 46608  | 1961 | -67 |     | 10    | 1.4  | 27    | 15.2 | 14    | 0.1  | 0     | 0.0  |
| 100  | 54435  | 1352 | -73 |     | 13    | 0.6  | 27    | 12.6 | 6     | 0.1  | 2     | 0.1  |
| 70   | 61327  | 823  | -69 |     | 9     | 2.9  | 21    | 12.9 | 6     | 1.1  | 17    | 1.1  |
| 50   | 67980  | 473  | -62 |     | 11    | 4.0  | 21    | 12.6 | 9     | 0.6  | 15    | 2.4  |
| 30   | 78535  | 291  | -54 |     | 19    | 4.0  | 30    | 10.1 | 6     | 0.6  | 10    | 0.3  |
| 20   | 87255  | 374  | -49 |     | 13    | 4.1  | 23    | 32.2 | 5     | 1.0  | 6     | 0.1  |
| 10   | 102250 | 365  | -40 |     | 27    | 8.3  | 46    | 64.5 | 10    | 2.2  | 13    | 0.3  |

JUL Latitude= 5.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 29  | 19  | 0     | 0.0  | 0     | 0.0  | 17    | 30.3 | 16    | 69.6 |
| 1000 | 316    | -48  | 27  | 20  | 0     | 0.0  | 0     | 0.0  | 21    | 21.4 | 21    | 78.0 |
| 850  | 4948   | 168  | 17  | 10  | 0     | 0.0  | 0     | 0.0  | 26    | 3.5  | 31    | 95.9 |
| 700  | 10320  | 438  | 10  | 0   | 0     | 0.0  | 0     | 0.0  | 12    | 2.7  | 21    | 46.3 |
| 500  | 19231  | 942  | -6  | -16 | 10    | 16.6 | 8     | 8.2  | 10    | 8.0  | 11    | 10.0 |
| 400  | 24857  | 1283 | -17 | -30 | 9     | 10.6 | 12    | 23.7 | 8     | 6.6  | 8     | 6.6  |
| 300  | 31753  | 1688 | -32 | -45 | 10    | 6.9  | 15    | 21.1 | 8     | 3.5  | 10    | 9.2  |
| 250  | 35881  | 1882 | -42 |     | 14    | 4.6  | 25    | 57.8 | 9     | 1.9  | 12    | 2.5  |
| 200  | 40718  | 2056 | -54 |     | 13    | 1.4  | 27    | 14.7 | 13    | 0.6  | 10    | 1.2  |
| 150  | 46604  | 1957 | -67 |     | 16    | 1.2  | 25    | 12.4 | 15    | 0.6  | 9     | 0.4  |
| 100  | 54430  | 1347 | -73 |     | 10    | 0.4  | 27    | 11.8 | 7     | 0.1  | 15    | 0.1  |
| 70   | 61324  | 820  | -69 |     | 10    | 1.7  | 22    | 11.9 | 12    | 0.6  | 0     | 0.0  |
| 50   | 67977  | 470  | -62 |     | 10    | 2.9  | 23    | 13.1 | 7     | 1.1  | 22    | 2.1  |
| 30   | 78536  | 292  | -54 |     | 18    | 3.2  | 30    | 12.4 | 13    | 2.1  | 14    | 3.8  |
| 20   | 87257  | 376  | -49 |     | 14    | 3.0  | 23    | 32.0 | 4     | 0.5  | 10    | 0.9  |
| 10   | 102252 | 367  | -41 |     | 28    | 6.1  | 46    | 64.1 | 9     | 1.2  | 15    | 4.5  |

JUL Latitude= 5.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 24         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 20                | 7.7             | 21                 | 92.2             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 316         | -48          | 24         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 24                | 4.6             | 25                 | 94.5             | 20                | 0.8             | 0                  | 0.0              |
| 850         | 4936        | 156          | 18         | 8          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 5.3             | 33                 | 93.8             | 26                | 0.8             | 0                  | 0.0              |
| 700         | 10313       | 431          | 10         | -1         | 5                 | 0.1             | 3                  | 0.6              | 3                 | 0.3             | 10                 | 0.3              | 11                | 1.9             | 23                 | 36.8             | 21                | 57.5            | 13                 | 2.2              |
| 500         | 19226       | 937          | -6         | -16        | 9                 | 19.7            | 11                 | 16.6             | 7                 | 5.0             | 5                  | 2.9              | 11                | 7.5             | 10                 | 14.3             | 14                | 21.8            | 11                 | 10.9             |
| 400         | 24854       | 1280         | -17        | -29        | 9                 | 9.5             | 12                 | 14.2             | 11                | 19.2            | 11                 | 13.8             | 8                 | 8.0             | 9                  | 9.5              | 12                | 12.4            | 10                 | 12.6             |
| 300         | 31755       | 1690         | -32        | -44        | 10                | 6.4             | 14                 | 19.0             | 18                | 47.5            | 16                 | 11.9             | 9                 | 3.3             | 7                  | 2.7              | 12                | 4.0             | 9                  | 4.5              |
| 250         | 35881       | 1882         | -42        | .          | 14                | 3.8             | 20                 | 17.2             | 25                | 60.7            | 19                 | 10.6             | 11                | 2.1             | 8                  | 1.2              | 10                | 1.6             | 11                 | 2.1              |
| 200         | 40720       | 2058         | -54        | .          | 11                | 0.8             | 26                 | 12.9             | 36                | 79.4            | 19                 | 4.3              | 11                | 0.9             | 10                 | 0.4              | 10                | 0.8             | 7                  | 0.1              |
| 150         | 46605       | 1958         | -67        | .          | 16                | 1.1             | 24                 | 8.5              | 48                | 85.7            | 20                 | 3.3              | 11                | 0.3             | 3                  | 0.1              | 2                 | 0.1             | 11                 | 0.4              |
| 100         | 54430       | 1347         | -73        | .          | 12                | 0.4             | 27                 | 7.7              | 38                | 83.3            | 30                 | 7.2              | 21                | 0.6             | 12                 | 0.3              | 17                | 0.1             | 0                  | 0.0              |
| 70          | 61325       | 821          | -69        | .          | 7                 | 1.2             | 22                 | 12.7             | 31                | 71.0            | 17                 | 8.0              | 10                | 2.1             | 13                 | 1.6              | 37                | 1.4             | 13                 | 1.4              |
| 50          | 67981       | 474          | -62        | .          | 8                 | 2.2             | 25                 | 11.0             | 36                | 68.7            | 19                 | 6.7              | 6                 | 2.2             | 13                 | 2.5              | 17                | 3.2             | 12                 | 3.0              |
| 30          | 78537       | 293          | -54        | .          | 15                | 2.2             | 29                 | 7.4              | 42                | 77.5            | 19                 | 7.9              | 9                 | 1.1             | 10                 | 1.6              | 11                | 1.2             | 15                 | 0.8              |
| 20          | 87258       | 377          | -49        | .          | 10                | 2.3             | 9                  | 4.9              | 23                | 32.5            | 8                  | 4.1              | 4                 | 0.7             | 7                  | 1.5              | 9                 | 2.3             | 7                  | 0.7              |
| 10          | 102257      | 372          | -41        | .          | 20                | 4.8             | 18                 | 9.9              | 46                | 65.1            | 16                 | 8.3              | 9                 | 1.6             | 14                 | 3.2              | 18                | 4.8             | 15                 | 1.6              |

JUL Latitude= 7.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 3.8             | 16                 | 95.8             | 15                | 0.3             | 0                  | 0.0              |
| 1000        | 308         | -56          | 29         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 20                | 11.7            | 20                 | 87.8             | 21                | 0.3             | 0                  | 0.0              |
| 850         | 4919        | 139          | 20         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 27                | 5.4             | 29                 | 94.0             | 27                | 0.4             | 0                  | 0.0              |
| 700         | 10318       | 436          | 10         | 5          | 12                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 10                | 0.9             | 17                 | 28.4             | 16                | 63.1            | 13                 | 7.2              |
| 500         | 19250       | 961          | -6         | -15        | 10                | 13.0            | 14                 | 49.2             | 11                | 17.1            | 8                  | 6.1              | 5                 | 2.1             | 6                  | 2.1              | 10                | 3.2             | 10                 | 6.6              |
| 400         | 24867       | 1293         | -17        | -28        | 8                 | 7.1             | 14                 | 28.1             | 16                | 42.8            | 11                 | 11.7             | 8                 | 2.4             | 2                  | 0.6              | 7                 | 2.7             | 8                  | 3.8              |
| 300         | 31758       | 1693         | -32        | -44        | 14                | 3.5             | 20                 | 22.6             | 23                | 64.0            | 17                 | 7.1              | 11                | 0.3             | 5                  | 0.3              | 10                | 0.6             | 6                  | 1.2              |
| 250         | 35903       | 1904         | -42        | .          | 24                | 2.1             | 27                 | 16.9             | 29                | 73.6            | 21                 | 6.1              | 0                 | 0.0             | 1                  | 0.1              | 9                 | 0.3             | 8                  | 0.6              |
| 200         | 40754       | 2092         | -54        | .          | 23                | 0.8             | 34                 | 11.0             | 39                | 84.3            | 27                 | 3.0              | 12                | 0.1             | 6                  | 0.3              | 14                | 0.3             | 0                  | 0.0              |
| 150         | 46650       | 2003         | -67        | .          | 8                 | 0.1             | 35                 | 12.2             | 51                | 85.9            | 34                 | 1.4              | 0                 | 0.0             | 0                  | 0.0              | 10                | 0.1             | 0                  | 0.0              |
| 100         | 54464       | 1381         | -74        | .          | 0                 | 0.0             | 36                 | 8.7              | 44                | 87.2            | 40                 | 4.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61347       | 843          | -69        | .          | 14                | 0.6             | 23                 | 7.4              | 38                | 88.6            | 19                 | 2.4              | 0                 | 0.0             | 11                 | 0.3              | 0                 | 0.0             | 11                 | 0.4              |
| 50          | 68003       | 496          | -62        | .          | 13                | 0.1             | 25                 | 9.5              | 40                | 86.8            | 22                 | 2.1              | 10                | 0.4             | 21                 | 0.3              | 4                 | 0.1             | 12                 | 0.3              |
| 30          | 78558       | 314          | -54        | .          | 19                | 0.1             | 32                 | 10.3             | 45                | 87.2            | 25                 | 2.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87282       | 401          | -49        | .          | 18                | 0.7             | 15                 | 8.1              | 22                | 38.8            | 10                 | 1.8              | 12                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102295      | 410          | -41        | .          | 37                | 1.6             | 31                 | 16.4             | 44                | 77.7            | 19                 | 3.8              | 25                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 16                | 6.1             | 16                 | 93.5             | 11                | 0.3             | 0                  | 0.0              |
| 1000        | 281         | -83          | 29         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 20                | 7.1             | 22                 | 92.5             | 20                | 0.3             | 0                  | 0.0              |
| 850         | 4915        | 135          | 19         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 31                 | 98.2             | 29                | 1.7             | 0                  | 0.0              |
| 700         | 10314       | 432          | 10         | 4          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 8                 | 0.1             | 20                 | 22.9             | 21                | 72.0            | 16                 | 4.8              |
| 500         | 19239       | 950          | -6         | -15        | 10                | 19.3            | 13                 | 39.2             | 8                 | 9.3             | 8                  | 5.0              | 8                 | 3.0             | 7                  | 4.6              | 10                | 7.1             | 9                  | 11.3             |
| 400         | 24862       | 1288         | -17        | -28        | 9                 | 7.9             | 14                 | 35.2             | 14                | 35.2            | 10                 | 9.5              | 8                 | 3.8             | 8                  | 0.9              | 8                 | 3.2             | 9                  | 7.5              |
| 300         | 31757       | 1692         | -32        | -44        | 12                | 3.7             | 19                 | 22.3             | 22                | 63.7            | 17                 | 7.7              | 6                 | 0.3             | 7                  | 0.4              | 8                 | 0.4             | 8                  | 1.1              |
| 250         | 35899       | 1900         | -42        | .          | 17                | 1.7             | 25                 | 19.3             | 29                | 72.0            | 25                 | 6.3              | 0                 | 0.0             | 2                  | 0.1              | 10                | 0.1             | 16                 | 0.1              |
| 200         | 40749       | 2087         | -54        | .          | 21                | 0.8             | 33                 | 10.8             | 40                | 85.1            | 28                 | 2.4              | 13                | 0.3             | 0                  | 0.0              | 12                | 0.3             | 10                 | 0.1              |
| 150         | 46647       | 2000         | -67        | .          | 19                | 0.6             | 32                 | 9.5              | 52                | 88.3            | 37                 | 1.1              | 0                 | 0.0             | 3                  | 0.1              | 0                 | 0.0             | 13                 | 0.1              |
| 100         | 54463       | 1380         | -74        | .          | 0                 | 0.0             | 34                 | 7.1              | 45                | 89.1            | 38                 | 3.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61350       | 846          | -69        | .          | 17                | 0.8             | 25                 | 9.0              | 38                | 86.8            | 19                 | 2.2              | 4                 | 0.1             | 14                 | 0.1              | 13                | 0.4             | 5                  | 0.1              |
| 50          | 8003        | 496          | -63        | .          | 10                | 0.4             | 28                 | 8.5              | 40                | 87.2            | 19                 | 2.9              | 10                | 0.1             | 14                 | 0.3              | 28                | 0.1             | 17                 | 0.1              |
| 30          | 78562       | 318          | -54        | .          | 19                | 0.1             | 34                 | 11.1             | 45                | 86.7            | 23                 | 1.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87286       | 405          | -49        | .          | 12                | 0.1             | 14                 | 8.3              | 22                | 39.5            | 9                  | 1.7              | 7                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102305      | 420          | -41        | .          | 24                | 0.3             | 29                 | 16.7             | 44                | 79.0            | 18                 | 3.5              | 15                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

JUL Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 27                | 20.3            | 26                 | 79.6             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 258         | -106         | 27         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 29                | 11.1            | 28                 | 88.8             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4900        | 120          | 19         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 27                | 0.1             | 39                 | 95.3             | 36                | 4.5             | 0                  | 0.0              |
| 700         | 10304       | 422          | 11         | 3          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 25                 | 16.3             | 21                | 78.5            | 19                 | 5.1              |
| 500         | 19229       | 940          | -6         | -16        | 11                | 19.8            | 12                 | 26.4             | 7                 | 7.1             | 7                  | 2.2              | 8                 | 3.7             | 9                  | 6.6              | 10                | 14.5            | 10                 | 17.9             |
| 400         | 24856       | 1282         | -16        | -29        | 10                | 8.7             | 13                 | 26.6             | 14                | 31.1            | 9                  | 9.0              | 8                 | 4.8             | 6                  | 5.0              | 9                 | 4.3             | 11                 | 9.3              |
| 300         | 31760       | 1695         | -32        | -44        | 13                | 3.5             | 17                 | 20.2             | 22                | 63.1            | 17                 | 10.8             | 8                 | 0.3             | 10                 | 0.3              | 7                 | 0.4             | 10                 | 0.8              |
| 250         | 35897       | 1898         | -42        | .          | 16                | 2.1             | 24                 | 17.1             | 29                | 72.6            | 24                 | 7.4              | 8                 | 0.3             | 0                  | 0.0              | 9                 | 0.1             | 12                 | 0.1              |
| 200         | 40747       | 2085         | -54        | .          | 19                | 0.4             | 31                 | 8.8              | 41                | 87.2            | 25                 | 2.7              | 10                | 0.1             | 7                  | 0.3              | 0                 | 0.0             | 10                 | 0.1              |
| 150         | 46646       | 1999         | -67        | .          | 16                | 0.1             | 27                 | 6.9              | 53                | 90.4            | 24                 | 1.7              | 6                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 0.3              |
| 100         | 54462       | 1379         | -74        | .          | 0                 | 0.0             | 33                 | 5.5              | 47                | 89.4            | 40                 | 5.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61353       | 849          | -69        | .          | 12                | 0.8             | 25                 | 8.5              | 38                | 86.4            | 20                 | 2.9              | 11                | 0.4             | 0                  | 0.0              | 14                | 0.8             | 0                  | 0.0              |
| 50          | 68004       | 497          | -63        | .          | 10                | 0.8             | 30                 | 7.2              | 40                | 86.2            | 23                 | 4.6              | 13                | 0.1             | 10                 | 0.3              | 30                | 0.3             | 5                  | 0.1              |
| 30          | 78562       | 318          | -54        | .          | 13                | 0.1             | 35                 | 7.4              | 44                | 88.6            | 26                 | 3.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 20          | 87287       | 406          | -49        | .          | 8                 | 0.1             | 13                 | 5.4              | 21                | 41.8            | 10                 | 2.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 10          | 102305      | 420          | -41        | .          | 16                | 0.3             | 27                 | 10.9             | 42                | 83.8            | 21                 | 4.8              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |

AUG Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0 | 0     | 0.0  | 14    | 56.4 | 14    | 43.2 |
| 1000 | 386    | 22   | 24  | 22  | 0     | 0.0 | 0     | 0.0  | 15    | 69.5 | 16    | 27.9 |
| 850  | 4989   | 209  | 16  | 8   | 0     | 0.0 | 0     | 0.0  | 20    | 73.0 | 20    | 11.1 |
| 700  | 10334  | 452  | 9   | -4  | 0     | 0.0 | 16    | 1.1  | 15    | 37.9 | 16    | 40.4 |
| 500  | 19234  | 945  | -6  | -16 | 8     | 9.0 | 8     | 8.7  | 11    | 16.4 | 14    | 18.3 |
| 400  | 24859  | 1285 | -17 | -28 | 8     | 6.7 | 11    | 15.4 | 9     | 14.8 | 13    | 16.9 |
| 300  | 31758  | 1693 | -32 | -44 | 9     | 9.3 | 10    | 13.2 | 8     | 9.0  | 12    | 12.5 |
| 250  | 35886  | 1887 | -42 | .   | 11    | 7.4 | 13    | 14.0 | 11    | 7.7  | 12    | 6.9  |
| 200  | 40721  | 2059 | -55 | .   | 11    | 7.4 | 19    | 19.8 | 14    | 5.6  | 14    | 5.4  |
| 150  | 46592  | 1945 | -68 | .   | 13    | 4.9 | 22    | 15.6 | 19    | 2.0  | 14    | 2.4  |
| 100  | 54424  | 1341 | -72 | .   | 11    | 5.9 | 17    | 18.0 | 8     | 5.9  | 19    | 3.8  |
| 70   | 61335  | 831  | -69 | .   | 10    | 7.0 | 26    | 29.3 | 10    | 4.9  | 16    | 18.8 |
| 50   | 68015  | 508  | -62 | .   | 11    | 3.8 | 28    | 33.7 | 8     | 3.5  | 23    | 23.7 |
| 30   | 78556  | 312  | -56 | .   | 9     | 0.3 | 35    | 49.3 | 17    | 6.7  | 19    | 13.7 |
| 20   | 87249  | 368  | -50 | .   | 5     | 0.7 | 28    | 24.1 | 7     | 1.0  | 15    | 13.0 |
| 10   | 102129 | 244  | -40 | .   | 10    | 1.6 | 56    | 48.3 | 14    | 2.2  | 29    | 26.1 |

AUG Latitude= 0.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0 | 0     | 0.0  | 13    | 58.3 | 14    | 41.2 |
| 1000 | 371    | 7    | 24  | 22  | 0     | 0.0 | 0     | 0.0  | 15    | 68.5 | 16    | 26.7 |
| 850  | 4975   | 195  | 16  | 9   | 0     | 0.0 | 0     | 0.0  | 19    | 65.6 | 20    | 10.3 |
| 700  | 10325  | 443  | 10  | -5  | 0     | 0.0 | 12    | 5.4  | 14    | 31.4 | 15    | 38.2 |
| 500  | 19231  | 942  | -6  | -16 | 9     | 9.3 | 8     | 7.4  | 10    | 13.7 | 11    | 18.3 |
| 400  | 24858  | 1284 | -17 | -28 | 9     | 5.3 | 11    | 14.1 | 10    | 13.3 | 14    | 24.0 |
| 300  | 31758  | 1693 | -32 | -43 | 8     | 7.0 | 15    | 24.8 | 8     | 9.6  | 14    | 20.9 |
| 250  | 35886  | 1887 | -42 | .   | 11    | 6.1 | 19    | 30.3 | 11    | 6.4  | 13    | 14.5 |
| 200  | 40721  | 2059 | -55 | .   | 11    | 8.3 | 25    | 40.1 | 11    | 4.5  | 13    | 8.5  |
| 150  | 46590  | 1943 | -68 | .   | 12    | 3.3 | 37    | 66.9 | 12    | 2.9  | 18    | 4.1  |
| 100  | 54421  | 1338 | -72 | .   | 12    | 4.8 | 25    | 55.3 | 11    | 2.9  | 18    | 3.3  |
| 70   | 61333  | 829  | -69 | .   | 10    | 7.0 | 25    | 30.4 | 14    | 6.9  | 16    | 18.8 |
| 50   | 68016  | 509  | -62 | .   | 10    | 4.6 | 29    | 33.7 | 15    | 8.8  | 23    | 25.0 |
| 30   | 78558  | 314  | -55 | .   | 11    | 1.1 | 35    | 49.1 | 18    | 4.9  | 20    | 15.9 |
| 20   | 87255  | 374  | -50 | .   | 5     | 0.7 | 28    | 24.0 | 4     | 0.2  | 15    | 14.3 |
| 10   | 102131 | 246  | -40 | .   | 11    | 1.6 | 56    | 48.0 | 9     | 0.6  | 31    | 28.7 |

AUG Latitude= 0.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 11                 | 0.6              | 13                | 65.8            | 13                 | 33.2             | 10                | 0.3             | 0                  | 0.0              |
| 1000        | 356         | -8           | 24         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 12                 | 8.2              | 15                | 71.1            | 15                 | 20.3             | 12                | 0.1             | 9                  | 0.1              |
| 850         | 4963        | 183          | 16         | 10         | 0                 | 0.0             | 0                  | 0.0              | 12                | 0.3             | 18                 | 30.1             | 17                | 61.9            | 17                 | 7.5              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10318       | 436          | 10         | -4         | 6                 | 0.4             | 5                  | 1.9              | 11                | 9.0             | 10                 | 13.2             | 11                | 25.0            | 13                 | 37.5             | 13                | 10.3            | 8                  | 2.0              |
| 500         | 19228       | 939          | -6         | -17        | 9                 | 9.3             | 9                  | 7.4              | 8                 | 7.9             | 9                  | 5.3              | 10                | 13.2            | 12                 | 16.4             | 14                | 29.1            | 9                  | 10.9             |
| 400         | 24857       | 1283         | -17        | -28        | 7                 | 3.7             | 10                 | 9.1              | 11                | 15.8            | 10                 | 12.4             | 10                | 12.9            | 11                 | 14.1             | 15                | 21.7            | 12                 | 9.1              |
| 300         | 31758       | 1693         | -32        | -44        | 8                 | 5.8             | 12                 | 12.5             | 15                | 28.0            | 10                 | 11.2             | 10                | 7.5             | 11                 | 10.4             | 15                | 14.9            | 12                 | 9.0              |
| 250         | 35887       | 1888         | -42        | .          | 10                | 5.9             | 17                 | 16.2             | 20                | 33.5            | 12                 | 12.0             | 12                | 6.2             | 15                 | 7.9              | 12                | 8.5             | 11                 | 8.8              |
| 200         | 40723       | 2061         | -55        | .          | 10                | 6.9             | 21                 | 20.8             | 27                | 44.9            | 15                 | 10.6             | 14                | 4.1             | 13                 | 2.9              | 12                | 3.8             | 12                 | 4.9              |
| 150         | 46592       | 1945         | -68        | .          | 12                | 2.9             | 26                 | 12.2             | 38                | 70.9            | 16                 | 6.6              | 10                | 2.5             | 7                  | 1.2              | 4                 | 1.2             | 11                 | 2.0              |
| 100         | 54422       | 1339         | -73        | .          | 12                | 3.2             | 17                 | 13.0             | 27                | 58.8            | 17                 | 10.4             | 9                 | 2.7             | 13                 | 3.8              | 14                | 3.7             | 11                 | 3.7              |
| 70          | 61335       | 831          | -69        | .          | 10                | 4.9             | 12                 | 10.1             | 24                | 30.6            | 12                 | 8.0              | 9                 | 4.0             | 15                 | 11.6             | 16                | 20.1            | 11                 | 9.5              |
| 50          | 68018       | 511          | -62        | .          | 10                | 4.6             | 18                 | 10.6             | 27                | 36.1            | 13                 | 8.0              | 8                 | 2.2             | 15                 | 6.9              | 23                | 25.3            | 11                 | 5.4              |
| 30          | 78562       | 318          | -55        | .          | 8                 | 1.4             | 30                 | 9.5              | 35                | 50.4            | 15                 | 6.2              | 14                | 4.8             | 15                 | 7.5              | 20                | 16.6            | 15                 | 3.0              |
| 20          | 87259       | 378          | -50        | .          | 5                 | 0.9             | 10                 | 1.5              | 27                | 24.3            | 9                  | 1.5              | 7                 | 0.2             | 12                 | 3.5              | 15                | 13.3            | 11                 | 4.1              |
| 10          | 102141      | 256          | -41        | .          | 11                | 1.9             | 19                 | 3.2              | 55                | 48.7            | 19                 | 3.2              | 14                | 0.6             | 24                 | 7.0              | 31                | 26.7            | 23                 | 8.3              |

AUG Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 36.7            | 14                 | 63.2             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 360         | -4           | 26         | 20         | 39                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 17                | 52.9            | 16                 | 46.9             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4981        | 201          | 17         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 22                 | 0.6              | 23                | 42.7            | 24                 | 56.6             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10334       | 452          | 9          | -2         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 5.1              | 13                | 19.1            | 17                 | 62.0             | 16                | 13.5            | 0                  | 0.0              |
| 500         | 19234       | 945          | -6         | -15        | 9                 | 14.3            | 10                 | 16.4             | 9                 | 9.5             | 9                  | 8.3              | 10                | 11.4            | 10                 | 14.1             | 13                | 14.8            | 9                  | 10.1             |
| 400         | 24857       | 1283         | -17        | -28        | 8                 | 7.0             | 10                 | 12.7             | 11                | 16.9            | 12                 | 17.0             | 8                 | 12.9            | 11                 | 10.4             | 12                | 13.0            | 10                 | 9.3              |
| 300         | 31754       | 1689         | -32        | -44        | 10                | 7.2             | 12                 | 13.8             | 16                | 33.8            | 12                 | 16.7             | 9                 | 5.9             | 10                 | 8.0              | 10                | 5.4             | 9                  | 8.5              |
| 250         | 35884       | 1885         | -42        | .          | 11                | 5.8             | 15                 | 12.7             | 20                | 43.7            | 15                 | 15.4             | 12                | 6.6             | 11                 | 5.6              | 9                 | 3.7             | 9                  | 5.9              |
| 200         | 40723       | 2061         | -54        | .          | 12                | 3.3             | 20                 | 17.9             | 25                | 55.6            | 17                 | 12.2             | 11                | 3.0             | 11                 | 2.7              | 10                | 1.7             | 10                 | 2.9              |
| 150         | 46597       | 1950         | -68        | .          | 13                | 4.1             | 21                 | 14.1             | 39                | 70.3            | 23                 | 7.9              | 11                | 1.9             | 18                 | 0.8              | 0                 | 0.0             | 11                 | 0.4              |
| 100         | 54422       | 1339         | -73        | .          | 13                | 3.0             | 21                 | 13.3             | 30                | 63.8            | 19                 | 11.2             | 12                | 2.0             | 11                 | 2.5              | 18                | 1.9             | 12                 | 1.4              |
| 70          | 61336       | 832          | -68        | .          | 9                 | 5.3             | 15                 | 13.2             | 27                | 48.3            | 13                 | 9.1              | 10                | 4.9             | 10                 | 5.6              | 14                | 7.0             | 13                 | 5.8              |
| 50          | 68018       | 511          | -62        | .          | 11                | 2.7             | 19                 | 10.6             | 30                | 44.1            | 17                 | 11.1             | 8                 | 3.5             | 12                 | 4.9              | 18                | 14.3            | 12                 | 8.2              |
| 30          | 78564       | 320          | -55        | .          | 11                | 1.7             | 31                 | 9.6              | 37                | 52.5            | 19                 | 8.3              | 19                | 8.0             | 13                 | 6.6              | 15                | 8.2             | 15                 | 4.6              |
| 20          | 87257       | 376          | -50        | .          | 7                 | 2.2             | 7                  | 1.8              | 29                | 23.8            | 8                  | 2.8              | 5                 | 0.7             | 9                  | 2.6              | 11                | 9.0             | 11                 | 6.2              |
| 10          | 102140      | 255          | -41        | .          | 14                | 4.5             | 15                 | 3.8              | 58                | 47.7            | 16                 | 5.8              | 10                | 1.6             | 17                 | 5.4              | 22                | 18.0            | 22                 | 12.5             |

AUG Latitude= 2.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 16                | 24.1            | 17                 | 75.8             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 354         | -10          | 25         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 14                 | 0.1              | 18                | 36.1            | 19                 | 63.7             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4967        | 187          | 17         | 8          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 21                 | 2.2              | 21                | 40.6            | 24                 | 57.0             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10325       | 443          | 10         | -4         | 0                 | 0.0             | 0                  | 0.0              | 9                 | 0.8             | 10                 | 5.8              | 12                | 13.5            | 17                 | 59.6             | 17                | 19.8            | 9                  | 0.3              |
| 500         | 19230       | 941          | -6         | -16        | 9                 | 13.8            | 10                 | 13.3             | 9                 | 7.0             | 9                  | 4.8              | 10                | 11.6            | 12                 | 15.1             | 14                | 20.1            | 10                 | 13.5             |
| 400         | 24858       | 1284         | -17        | -28        | 8                 | 5.8             | 10                 | 12.0             | 11                | 15.1            | 11                 | 14.5             | 10                | 11.6            | 11                 | 11.9             | 12                | 17.7            | 10                 | 10.4             |
| 300         | 31758       | 1693         | -32        | -43        | 9                 | 5.4             | 12                 | 13.2             | 16                | 34.9            | 12                 | 15.1             | 10                | 6.2             | 11                 | 7.4              | 11                | 9.6             | 9                  | 7.2              |
| 250         | 35888       | 1889         | -42        | .          | 10                | 5.3             | 15                 | 14.3             | 20                | 44.6            | 15                 | 12.7             | 12                | 6.7             | 12                 | 6.9              | 12                | 4.0             | 9                  | 4.6              |
| 200         | 40725       | 2063         | -55        | .          | 10                | 4.5             | 21                 | 17.2             | 27                | 58.3            | 17                 | 10.3             | 12                | 3.2             | 9                  | 2.4              | 8                 | 1.7             | 10                 | 1.9              |
| 150         | 46597       | 1950         | -68        | .          | 13                | 2.9             | 22                 | 11.1             | 40                | 75.8            | 24                 | 5.6              | 12                | 2.0             | 9                  | 1.1              | 14                | 0.3             | 10                 | 0.8              |
| 100         | 54424       | 1341         | -73        | .          | 13                | 2.0             | 20                 | 11.4             | 31                | 67.5            | 20                 | 9.8              | 9                 | 2.0             | 14                 | 2.9              | 13                | 2.2             | 12                 | 1.7              |
| 70          | 61337       | 833          | -68        | .          | 9                 | 5.3             | 16                 | 12.9             | 26                | 49.0            | 12                 | 7.5              | 11                | 4.3             | 10                 | 6.2              | 15                | 9.3             | 10                 | 4.8              |
| 50          | 68019       | 512          | -62        | .          | 9                 | 4.1             | 21                 | 10.9             | 30                | 45.3            | 15                 | 8.8              | 7                 | 2.9             | 13                 | 5.9              | 18                | 15.3            | 11                 | 6.1              |
| 30          | 78565       | 321          | -55        | .          | 10                | 1.9             | 32                 | 9.3              | 36                | 54.3            | 18                 | 7.2              | 15                | 6.4             | 13                 | 7.0              | 15                | 8.8             | 14                 | 4.5              |
| 20          | 87262       | 381          | -50        | .          | 6                 | 2.2             | 9                  | 1.2              | 28                | 24.7            | 7                  | 2.0              | 5                 | 1.0             | 9                  | 2.8              | 11                | 9.5             | 10                 | 5.9              |
| 10          | 102148      | 263          | -41        | .          | 12                | 4.5             | 18                 | 2.5              | 57                | 49.6            | 15                 | 4.1              | 10                | 2.2             | 18                 | 5.8              | 22                | 19.0            | 21                 | 11.9             |

AUG Latitude= 2.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 14                | 16.1            | 16                 | 83.5             | 16                | 0.3             | 0                  | 0.0              |
| 1000        | 345         | -19          | 24         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 16                 | 0.4              | 17                | 27.0            | 18                 | 71.7             | 17                | 0.6             | 0                  | 0.0              |
| 850         | 4956        | 176          | 17         | 9          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 20                 | 4.8              | 19                | 47.5            | 23                 | 47.4             | 2                 | 0.1             | 0                  | 0.0              |
| 700         | 10318       | 436          | 10         | -4         | 3                 | 0.8             | 4                  | 0.1              | 7                 | 2.9             | 9                  | 4.9              | 10                | 10.3            | 16                 | 48.7             | 17                | 28.5            | 9                  | 3.2              |
| 500         | 19228       | 939          | -6         | -15        | 9                 | 13.3            | 10                 | 9.3              | 9                 | 5.4             | 7                  | 4.6              | 10                | 9.5             | 13                 | 15.1             | 15                | 26.7            | 10                 | 14.9             |
| 400         | 24857       | 1283         | -16        | -28        | 7                 | 4.3             | 11                 | 9.0              | 10                | 16.1            | 10                 | 12.5             | 10                | 11.7            | 11                 | 13.3             | 15                | 21.2            | 11                 | 10.6             |
| 300         | 31758       | 1693         | -32        | -43        | 8                 | 4.8             | 13                 | 12.7             | 16                | 37.0            | 12                 | 12.4             | 9                 | 7.9             | 12                 | 7.9              | 14                | 8.7             | 9                  | 8.0              |
| 250         | 35887       | 1888         | -42        | .          | 10                | 4.6             | 17                 | 16.9             | 21                | 44.6            | 14                 | 13.3             | 11                | 5.4             | 14                 | 6.2              | 13                | 4.8             | 9                  | 3.5              |
| 200         | 40724       | 2062         | -55        | .          | 11                | 4.6             | 20                 | 19.1             | 29                | 57.7            | 16                 | 9.8              | 11                | 3.7             | 11                 | 1.4              | 11                | 1.2             | 8                  | 1.7              |
| 150         | 46595       | 1948         | -68        | .          | 12                | 1.9             | 21                 | 8.3              | 42                | 78.8            | 20                 | 6.4              | 9                 | 1.9             | 9                  | 0.8              | 10                | 0.8             | 11                 | 0.8              |
| 100         | 54420       | 1337         | -73        | .          | 13                | 1.7             | 19                 | 7.2              | 31                | 73.0            | 19                 | 9.6              | 11                | 1.4             | 14                 | 1.9              | 13                | 2.9             | 11                 | 0.9              |
| 70          | 61334       | 830          | -68        | .          | 10                | 4.3             | 16                 | 13.7             | 26                | 46.1            | 13                 | 9.1              | 9                 | 3.7             | 13                 | 6.1              | 16                | 10.1            | 10                 | 6.1              |
| 50          | 68016       | 509          | -62        | .          | 9                 | 4.3             | 19                 | 11.6             | 30                | 47.0            | 13                 | 6.4              | 7                 | 2.5             | 12                 | 5.9              | 18                | 15.4            | 9                  | 6.1              |
| 30          | 78564       | 320          | -55        | .          | 10                | 1.6             | 29                 | 10.1             | 37                | 54.5            | 15                 | 7.2              | 12                | 4.6             | 13                 | 6.6              | 13                | 10.9            | 12                 | 3.8              |
| 20          | 87265       | 384          | -50        | .          | 6                 | 1.4             | 9                  | 1.7              | 28                | 24.7            | 7                  | 2.2              | 3                 | 0.9             | 10                 | 4.9              | 10                | 8.6             | 9                  | 4.7              |
| 10          | 102151      | 266          | -41        | .          | 13                | 2.9             | 18                 | 3.5              | 56                | 49.6            | 13                 | 4.5              | 7                 | 1.9             | 21                 | 9.9              | 21                | 17.4            | 17                 | 9.6              |

AUG Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 16         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 13                | 20.3            | 15                 | 79.6             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 333         | -31          | 29         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 17                | 27.2            | 18                 | 72.7             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4964        | 184          | 18         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 8.7             | 26                 | 91.2             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10333       | 451          | 9          | 1          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.4              | 12                | 4.1             | 17                 | 58.7             | 16                | 34.6            | 9                  | 1.6              |
| 500         | 19239       | 950          | -6         | -15        | 9                 | 15.4            | 12                 | 28.3             | 9                 | 12.7            | 8                  | 10.1             | 9                 | 6.4             | 7                  | 6.7              | 10                | 7.9             | 9                  | 11.2             |
| 400         | 24860       | 1286         | -17        | -29        | 9                 | 8.2             | 12                 | 20.8             | 12                | 25.6            | 13                 | 18.3             | 8                 | 6.4             | 7                  | 6.7              | 10                | 6.9             | 9                  | 6.4              |
| 300         | 31756       | 1691         | -32        | -44        | 10                | 4.8             | 15                 | 18.5             | 19                | 47.2            | 15                 | 16.7             | 8                 | 5.3             | 6                  | 3.7              | 7                 | 1.6             | 7                  | 1.7              |
| 250         | 35892       | 1893         | -42        | .          | 10                | 3.7             | 18                 | 14.1             | 24                | 58.3            | 17                 | 16.1             | 10                | 3.5             | 8                  | 1.6              | 8                 | 1.1             | 8                  | 1.2              |
| 200         | 40736       | 2074         | -54        | .          | 7                 | 1.1             | 24                 | 14.5             | 30                | 71.4            | 20                 | 11.1             | 10                | 0.8             | 15                 | 0.4              | 10                | 0.1             | 9                  | 0.3              |
| 150         | 46619       | 1972         | -67        | .          | 12                | 0.4             | 24                 | 14.1             | 42                | 79.0            | 28                 | 5.3              | 14                | 0.4             | 8                  | 0.1              | 3                 | 0.1             | 6                  | 0.1              |
| 100         | 54434       | 1351         | -73        | .          | 11                | 1.2             | 24                 | 11.4             | 34                | 77.7            | 25                 | 7.4              | 19                | 0.4             | 13                 | 0.6              | 1                 | 0.1             | 7                  | 0.8              |
| 70          | 61347       | 843          | -68        | .          | 11                | 1.9             | 16                 | 11.4             | 30                | 70.1            | 18                 | 7.4              | 8                 | 2.2             | 10                 | 0.8              | 13                | 2.4             | 9                  | 2.9              |
| 50          | 68029       | 522          | -62        | .          | 10                | 5.1             | 16                 | 10.9             | 32                | 64.3            | 21                 | 10.1             | 7                 | 2.4             | 8                  | 1.9              | 14                | 2.5             | 12                 | 2.2              |
| 30          | 78582       | 338          | -55        | .          | 15                | 4.1             | 26                 | 9.8              | 38                | 60.6            | 22                 | 14.1             | 15                | 4.3             | 10                 | 3.5              | 11                | 2.2             | 9                  | 0.9              |
| 20          | 87283       | 402          | -50        | .          | 8                 | 5.4             | 7                  | 4.3              | 26                | 26.0            | 6                  | 3.8              | 5                 | 1.7             | 6                  | 2.2              | 7                 | 3.3             | 9                  | 2.6              |
| 10          | 102174      | 289          | -41        | .          | 17                | 10.9            | 15                 | 8.7              | 53                | 52.2            | 13                 | 7.7              | 11                | 3.5             | 12                 | 4.5              | 15                | 6.7             | 17                 | 5.4              |

AUG Latitude= 5.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 16                | 37.0            | 16                 | 62.9             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 317         | -47          | 27         | 20         | 33                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 20                | 28.2            | 21                 | 71.6             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4952        | 172          | 18         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 4.1             | 29                 | 95.8             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10322       | 440          | 10         | -1         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 0.4              | 11                | 2.5             | 20                 | 44.3             | 18                | 51.7            | 10                 | 0.8              |
| 500         | 19232       | 943          | -6         | -15        | 10                | 19.5            | 11                 | 21.4             | 9                 | 8.2             | 7                  | 5.8              | 8                 | 8.2             | 9                  | 9.6              | 12                | 12.5            | 10                 | 13.8             |
| 400         | 24859       | 1285         | -16        | -29        | 8                 | 8.5             | 12                 | 17.2             | 12                | 22.7            | 12                 | 16.1             | 8                 | 6.9             | 9                  | 7.2              | 11                | 10.9            | 10                 | 9.1              |
| 300         | 31762       | 1697         | -32        | -44        | 7                 | 4.3             | 13                 | 16.9             | 19                | 50.0            | 13                 | 13.2             | 8                 | 4.1             | 8                  | 4.0              | 7                 | 4.1             | 9                  | 2.9              |
| 250         | 35894       | 1895         | -42        | .          | 9                 | 2.5             | 18                 | 13.8             | 23                | 60.8            | 17                 | 14.3             | 9                 | 3.3             | 10                 | 2.0              | 8                 | 1.2             | 6                  | 1.4              |
| 200         | 40736       | 2074         | -54        | .          | 10                | 0.9             | 25                 | 11.2             | 31                | 73.8            | 19                 | 8.7              | 13                | 0.4             | 13                 | 0.3              | 9                 | 0.3             | 9                  | 0.3              |
| 150         | 46616       | 1969         | -68        | .          | 13                | 1.2             | 23                 | 11.2             | 44                | 81.1            | 30                 | 4.8              | 13                | 0.8             | 7                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54432       | 1349         | -73        | .          | 14                | 1.2             | 22                 | 9.8              | 36                | 77.5            | 26                 | 9.5              | 13                | 0.9             | 4                  | 0.3              | 3                 | 0.1             | 7                  | 0.3              |
| 70          | 61346       | 842          | -68        | .          | 10                | 2.5             | 17                 | 12.4             | 30                | 68.2            | 13                 | 8.3              | 9                 | 1.9             | 6                  | 1.2              | 16                | 2.4             | 12                 | 2.7              |
| 50          | 68024       | 517          | -62        | .          | 7                 | 4.0             | 18                 | 11.1             | 32                | 66.4            | 15                 | 8.7              | 8                 | 1.9             | 8                  | 2.0              | 14                | 2.7             | 8                  | 2.7              |
| 30          | 78579       | 335          | -55        | .          | 11                | 4.0             | 29                 | 8.7              | 38                | 63.5            | 19                 | 12.2             | 11                | 3.7             | 12                 | 3.8              | 9                 | 2.2             | 10                 | 1.4              |
| 20          | 87276       | 395          | -50        | .          | 7                 | 4.0             | 8                  | 4.7              | 26                | 26.4            | 8                  | 3.5              | 5                 | 1.4             | 6                  | 3.0              | 8                 | 3.1             | 7                  | 3.3              |
| 10          | 102177      | 292          | -41        | .          | 15                | 8.0             | 16                 | 9.6              | 52                | 52.9            | 16                 | 7.0              | 10                | 2.9             | 12                 | 6.1              | 17                | 6.4             | 14                 | 6.7              |

AUG Latitude= 5.00 Longitude= 50.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 18                | 7.0             | 20                 | 92.9             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 319         | -45          | 24         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 22                | 6.7             | 24                 | 93.0             | 22                | 0.1             | 0                  | 0.0              |
| 850         | 4941        | 161          | 18         | 8          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 24                | 6.1             | 31                 | 93.2             | 23                | 0.6             | 0                  | 0.0              |
| 700         | 10315       | 433          | 10         | -2         | 0                 | 0.0             | 0                  | 0.0              | 6                 | 0.3             | 7                  | 0.3              | 11                | 2.5             | 20                 | 33.5             | 20                | 59.1            | 13                 | 4.0              |
| 500         | 19227       | 938          | -6         | -15        | 10                | 19.5            | 10                 | 14.6             | 9                 | 6.4             | 8                  | 3.5              | 8                 | 6.9             | 11                 | 9.5              | 12                | 21.4            | 10                 | 17.0             |
| 400         | 24858       | 1284         | -16        | -28        | 8                 | 6.6             | 11                 | 14.6             | 12                | 21.1            | 10                 | 13.2             | 8                 | 8.2             | 10                 | 8.7              | 12                | 15.3            | 10                 | 11.4             |
| 300         | 31765       | 1700         | -32        | -43        | 8                 | 4.1             | 14                 | 14.1             | 18                | 50.3            | 13                 | 12.2             | 7                 | 5.4             | 9                  | 4.1              | 10                | 5.4             | 8                  | 3.2              |
| 250         | 35896       | 1897         | -42        | .          | 9                 | 1.9             | 17                 | 13.8             | 23                | 63.0            | 18                 | 11.4             | 10                | 3.2             | 10                 | 2.9              | 10                | 1.9             | 7                  | 1.4              |
| 200         | 40739       | 2077         | -54        | .          | 6                 | 0.9             | 23                 | 14.9             | 31                | 74.6            | 20                 | 7.7              | 9                 | 1.1             | 7                  | 0.0              | 7                 | 0.3             | 5                  | 0.1              |
| 150         | 46618       | 1971         | -68        | .          | 11                | 1.1             | 23                 | 8.5              | 45                | 83.3            | 25                 | 5.6              | 11                | 0.6             | 5                  | 0.1              | 11                | 0.4             | 0                  | 0.0              |
| 100         | 54434       | 1351         | -73        | .          | 10                | 1.2             | 19                 | 7.7              | 37                | 81.7            | 25                 | 7.9              | 12                | 0.9             | 4                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61347       | 843          | -68        | .          | 9                 | 3.3             | 17                 | 13.3             | 29                | 68.0            | 14                 | 7.0              | 7                 | 1.9             | 7                  | 1.6              | 19                | 2.7             | 14                 | 1.6              |
| 50          | 68026       | 519          | -62        | .          | 6                 | 2.9             | 19                 | 11.2             | 31                | 67.0            | 14                 | 7.7              | 8                 | 2.5             | 9                  | 2.4              | 14                | 4.0             | 8                  | 1.7              |
| 30          | 78577       | 333          | -55        | .          | 8                 | 1.7             | 24                 | 9.9              | 37                | 67.7            | 18                 | 7.0              | 9                 | 4.1             | 10                 | 4.3              | 10                | 3.3             | 9                  | 1.4              |
| 20          | 87279       | 398          | -50        | .          | 5                 | 1.8             | 7                  | 4.6              | 25                | 28.3            | 8                  | 2.6              | 6                 | 2.2             | 6                  | 4.0              | 8                 | 2.6             | 6                  | 3.0              |
| 10          | 102187      | 302          | -41        | .          | 10                | 3.8             | 13                 | 9.3              | 51                | 56.7            | 15                 | 5.4              | 13                | 4.5             | 13                 | 8.0              | 17                | 5.4             | 12                 | 6.1              |

AUG Latitude= 7.50 Longitude= 45.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 6.4             | 16                 | 93.2             | 10                | 0.3             | 0                  | 0.0              |
| 1000        | 306         | -58          | 30         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 18                | 15.6            | 20                 | 84.1             | 12                | 0.1             | 0                  | 0.0              |
| 850         | 4922        | 142          | 20         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 7.5             | 28                 | 92.4             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10321       | 439          | 10         | 4          | 4                 | 0.6             | 0                  | 0.0              | 3                 | 0.1             | 3                  | 0.1              | 10                | 1.6             | 17                 | 30.8             | 16                | 59.6            | 13                 | 6.9              |
| 500         | 19251       | 962          | -6         | -15        | 11                | 17.7            | 14                 | 47.4             | 11                | 19.6            | 9                  | 4.8              | 8                 | 1.1             | 7                  | 1.9              | 8                 | 2.4             | 8                  | 4.6              |
| 400         | 24870       | 1296         | -16        | -28        | 9                 | 4.6             | 14                 | 31.4             | 16                | 40.9            | 12                 | 14.1             | 8                 | 2.7             | 8                  | 1.2              | 7                 | 2.0             | 7                  | 2.4              |
| 300         | 31765       | 1700         | -32        | -45        | 11                | 2.0             | 19                 | 16.4             | 22                | 66.6            | 18                 | 11.2             | 9                 | 1.7             | 5                  | 1.2              | 4                 | 0.3             | 11                 | 0.1              |
| 250         | 35912       | 1913         | -42        | .          | 17                | 0.6             | 24                 | 12.9             | 28                | 75.1            | 20                 | 9.3              | 10                | 1.6             | 6                  | 0.1              | 3                 | 0.1             | 0                  | 0.0              |
| 200         | 40765       | 2103         | -54        | .          | 0                 | 0.0             | 31                 | 8.7              | 36                | 85.1            | 25                 | 5.9              | 8                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46659       | 2012         | -67        | .          | 0                 | 0.0             | 33                 | 9.8              | 46                | 86.6            | 35                 | 3.3              | 0                 | 0.0             | 4                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54461       | 1378         | -74        | .          | 0                 | 0.0             | 31                 | 8.3              | 40                | 86.9            | 36                 | 4.3              | 17                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61365       | 861          | -68        | .          | 10                | 0.8             | 20                 | 6.4              | 34                | 87.7            | 28                 | 3.3              | 8                 | 0.6             | 4                  | 0.1              | 9                 | 0.4             | 8                  | 0.3              |
| 50          | 68048       | 541          | -62        | .          | 9                 | 0.8             | 21                 | 7.9              | 36                | 82.5            | 26                 | 8.2              | 0                 | 0.0             | 11                 | 0.1              | 0                 | 0.0             | 13                 | 0.1              |
| 30          | 78601       | 357          | -54        | .          | 17                | 0.9             | 27                 | 9.1              | 40                | 73.8            | 29                 | 13.0             | 9                 | 1.2             | 10                 | 0.9              | 11                | 0.4             | 2                  | 0.1              |
| 20          | 87302       | 421          | -50        | .          | 8                 | 2.5             | 11                 | 6.7              | 22                | 32.6            | 8                  | 4.0              | 5                 | 0.7             | 3                  | 0.7              | 4                 | 0.7             | 6                  | 1.4              |
| 10          | 102215      | 330          | -42        | .          | 16                | 5.1             | 23                 | 13.5             | 45                | 65.4            | 16                 | 8.0              | 10                | 1.6             | 7                  | 1.6              | 9                 | 1.6             | 13                 | 2.9              |

AUG Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 15         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 13                | 15.8            | 16                 | 84.1             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 282         | -82          | 30         | 18         | 31                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 18                | 12.5            | 21                 | 87.2             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4920        | 140          | 20         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 0.4             | 30                 | 98.8             | 26                | 0.6             | 0                  | 0.0              |
| 700         | 10317       | 435          | 10         | 4          | 6                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 11                | 0.4             | 20                 | 22.4             | 19                | 72.9            | 15                 | 4.0              |
| 500         | 19240       | 951          | -6         | -14        | 11                | 20.3            | 12                 | 39.8             | 10                | 12.4            | 8                  | 4.9              | 8                 | 2.9             | 7                  | 3.2              | 10                | 5.1             | 9                  | 10.4             |
| 400         | 24864       | 1290         | -16        | -29        | 8                 | 8.3             | 13                 | 31.4             | 15                | 34.0            | 10                 | 12.0             | 6                 | 3.3             | 7                  | 2.4              | 9                 | 2.5             | 7                  | 5.1              |
| 300         | 31765       | 1700         | -32        | -44        | 10                | 1.6             | 16                 | 17.4             | 22                | 68.7            | 15                 | 8.3              | 6                 | 1.1             | 7                  | 1.2              | 7                 | 0.9             | 8                  | 0.4              |
| 250         | 35910       | 1911         | -42        | .          | 9                 | 0.8             | 22                 | 10.9             | 28                | 79.3            | 21                 | 7.2              | 9                 | 0.8             | 5                  | 0.3              | 0                 | 0.0             | 7                  | 0.3              |
| 200         | 40764       | 2102         | -54        | .          | 12                | 0.1             | 34                 | 7.7              | 36                | 87.5            | 25                 | 4.3              | 13                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46658       | 2011         | -67        | .          | 0                 | 0.0             | 31                 | 8.2              | 47                | 88.3            | 39                 | 3.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54463       | 1380         | -74        | .          | 29                | 0.1             | 28                 | 6.9              | 41                | 86.4            | 41                 | 6.2              | 18                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61368       | 864          | -68        | .          | 9                 | 1.1             | 22                 | 6.9              | 34                | 87.2            | 23                 | 3.0              | 6                 | 0.4             | 0                  | 0.0              | 5                 | 0.4             | 7                  | 0.6              |
| 50          | 68047       | 540          | -62        | .          | 12                | 0.8             | 23                 | 6.6              | 36                | 86.2            | 23                 | 5.6              | 11                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 6                  | 0.3              |
| 30          | 78604       | 360          | -54        | .          | 12                | 1.2             | 27                 | 8.7              | 39                | 77.0            | 25                 | 9.8              | 8                 | 1.9             | 11                 | 0.6              | 6                 | 0.4             | 0                  | 0.0              |
| 20          | 87309       | 428          | -50        | .          | 7                 | 2.0             | 11                 | 5.7              | 22                | 33.5            | 8                  | 4.6              | 4                 | 0.7             | 4                  | 0.4              | 6                 | 0.7             | 5                  | 1.7              |
| 10          | 102228      | 343          | -42        | .          | 15                | 4.1             | 22                 | 11.6             | 44                | 67.0            | 17                 | 9.3              | 9                 | 1.6             | 9                  | 0.9              | 11                | 1.6             | 11                 | 3.5              |

AUG Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 25                | 24.8            | 26                 | 75.1             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 263         | -101         | 27         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 28                | 14.9            | 27                 | 84.9             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4907        | 127          | 19         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 27                | 0.8             | 37                 | 95.6             | 32                | 3.5             | 0                  | 0.0              |
| 700         | 10308       | 426          | 11         | 2          | 9                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 8                 | 0.3             | 22                 | 16.9             | 20                | 76.2            | 16                 | 6.2              |
| 500         | 19229       | 940          | -6         | -15        | 10                | 25.6            | 10                 | 27.4             | 9                 | 8.0             | 8                  | 3.2              | 6                 | 2.0             | 9                  | 5.8              | 10                | 10.9            | 9                  | 16.2             |
| 400         | 24859       | 1285         | -16        | -29        | 8                 | 9.8             | 13                 | 26.6             | 14                | 31.2            | 9                  | 10.3             | 8                 | 4.1             | 8                  | 2.7              | 8                 | 6.6             | 7                  | 7.7              |
| 300         | 31770       | 1705         | -32        | -44        | 8                 | 2.2             | 15                 | 15.3             | 21                | 71.6            | 13                 | 6.4              | 9                 | 1.1             | 7                  | 1.4              | 12                | 0.3             | 9                  | 1.1              |
| 250         | 35911       | 1912         | -41        | .          | 5                 | 0.4             | 22                 | 11.4             | 28                | 77.7            | 22                 | 8.0              | 8                 | 0.6             | 3                  | 0.3              | 2                 | 0.1             | 8                  | 0.9              |
| 200         | 40764       | 2102         | -54        | .          | 19                | 0.1             | 31                 | 8.0              | 36                | 87.2            | 28                 | 4.3              | 20                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 150         | 46657       | 2010         | -67        | .          | 18                | 0.3             | 29                 | 5.4              | 48                | 90.4            | 37                 | 3.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 100         | 54463       | 1380         | -74        | .          | 25                | 0.1             | 27                 | 4.9              | 43                | 89.0            | 41                 | 5.8              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 70          | 61371       | 867          | -68        | .          | 10                | 1.1             | 21                 | 7.4              | 35                | 85.6            | 21                 | 4.3              | 5                 | 0.1             | 0                  | 0.0              | 10                | 0.8             | 15                 | 0.3              |
| 50          | 68045       | 538          | -62        | .          | 11                | 0.6             | 24                 | 6.9              | 35                | 87.0            | 19                 | 4.6              | 12                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.3              |
| 30          | 78599       | 355          | -54        | .          | 7                 | 1.2             | 26                 | 6.9              | 38                | 80.9            | 19                 | 7.9              | 13                | 1.2             | 5                  | 0.6              | 4                 | 0.4             | 8                  | 0.3              |
| 20          | 87300       | 419          | -50        | .          | 6                 | 0.7             | 8                  | 4.5              | 22                | 35.4            | 9                  | 4.5              | 5                 | 1.4             | 5                  | 0.9              | 5                 | 1.0             | 7                  | 0.9              |
| 10          | 102229      | 344          | -42        | .          | 13                | 1.6             | 16                 | 9.0              | 44                | 70.9            | 17                 | 9.0              | 11                | 2.9             | 10                 | 1.9              | 10                | 2.2             | 14                 | 1.9              |

SEP Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 25  | 23  | 0     | 0.0  | 0     | 0.0  | 9     | 4.6  | 11    | 66.6 |
| 1000 | 363    | -1   | 24  | 22  | 0     | 0.0  | 2     | 0.3  | 10    | 13.3 | 13    | 66.9 |
| 850  | 4971   | 191  | 17  | 9   | 0     | 0.0  | 12    | 1.1  | 16    | 31.2 | 15    | 53.4 |
| 700  | 10329  | 447  | 10  | -3  | 7     | 0.8  | 8     | 8.3  | 10    | 24.5 | 11    | 24.0 |
| 500  | 19229  | 940  | -6  | -16 | 8     | 9.8  | 11    | 19.1 | 9     | 14.5 | 10    | 10.1 |
| 400  | 24859  | 1285 | -16 | -28 | 8     | 5.8  | 12    | 24.7 | 11    | 20.7 | 9     | 12.3 |
| 300  | 31766  | 1701 | -32 | -44 | 9     | 5.5  | 10    | 14.8 | 12    | 19.3 | 10    | 7.8  |
| 250  | 35896  | 1897 | -42 | .   | 11    | 6.6  | 16    | 13.8 | 14    | 21.8 | 11    | 7.0  |
| 200  | 40735  | 2073 | -54 | .   | 11    | 5.8  | 15    | 19.1 | 15    | 15.5 | 13    | 7.1  |
| 150  | 46613  | 1966 | -68 | .   | 13    | 7.1  | 18    | 18.0 | 15    | 10.0 | 13    | 4.3  |
| 100  | 54411  | 1328 | -74 | .   | 10    | 10.0 | 14    | 17.6 | 14    | 10.6 | 9     | 7.3  |
| 70   | 61291  | 787  | -69 | .   | 10    | 9.3  | 18    | 7.0  | 11    | 4.0  | 7     | 3.8  |
| 50   | 67950  | 443  | -62 | .   | 15    | 3.0  | 23    | 33.5 | 14    | 8.6  | 9     | 3.0  |
| 30   | 78474  | 230  | -55 | .   | 11    | 0.8  | 38    | 45.5 | 19    | 4.8  | 14    | 3.6  |
| 20   | 87175  | 294  | -50 | .   | 5     | 0.2  | 1     | 0.1  | 10    | 0.1  | 5     | 0.4  |
| 10   | 102098 | 213  | -40 | .   | 10    | 0.6  | 3     | 0.3  | 20    | 0.3  | 10    | 0.9  |

SEP Latitude= 0.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0  | 0     | 0.0  | 9     | 6.3  | 10    | 60.3 |
| 1000 | 352    | -12  | 24  | 22  | 8     | 0.1  | 7     | 0.8  | 11    | 15.6 | 12    | 62.2 |
| 850  | 4963   | 183  | 17  | 10  | 0     | 0.0  | 12    | 2.3  | 14    | 40.9 | 13    | 41.4 |
| 700  | 10324  | 442  | 10  | -4  | 5     | 2.8  | 8     | 11.6 | 9     | 20.2 | 10    | 15.0 |
| 500  | 19227  | 938  | -6  | -16 | 9     | 10.0 | 11    | 18.8 | 8     | 11.3 | 8     | 9.6  |
| 400  | 24857  | 1283 | -16 | -28 | 7     | 8.0  | 10    | 8.5  | 12    | 24.2 | 10    | 16.8 |
| 300  | 31765  | 1700 | -32 | -44 | 8     | 6.8  | 11    | 15.1 | 14    | 25.7 | 12    | 17.6 |
| 250  | 35895  | 1896 | -42 | .   | 11    | 7.6  | 15    | 15.0 | 17    | 30.5 | 13    | 5.1  |
| 200  | 40734  | 2072 | -54 | .   | 11    | 6.5  | 17    | 19.0 | 22    | 38.2 | 16    | 6.8  |
| 150  | 46609  | 1962 | -68 | .   | 12    | 4.6  | 18    | 17.0 | 15    | 19.6 | 12    | 4.0  |
| 100  | 54408  | 1325 | -74 | .   | 11    | 10.1 | 15    | 13.6 | 14    | 9.8  | 12    | 5.0  |
| 70   | 61290  | 786  | -69 | .   | 11    | 7.0  | 16    | 8.8  | 12    | 11.1 | 9     | 6.0  |
| 50   | 67950  | 443  | -62 | .   | 12    | 3.0  | 23    | 34.5 | 11    | 4.6  | 9     | 2.6  |
| 30   | 78476  | 232  | -55 | .   | 8     | 1.0  | 38    | 45.7 | 15    | 8.1  | 10    | 3.5  |
| 20   | 87177  | 296  | -50 | .   | 3     | 0.1  | 0     | 0.0  | 20    | 5.6  | 13    | 3.3  |
| 10   | 102101 | 216  | -40 | .   | 7     | 0.3  | 0     | 0.0  | 0     | 0.0  | 6     | 0.1  |

SEP Latitude= 0.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | NE   | NE  | E    | E   | SE   | SE  | S    | S   | SW   | SW  | W    | W   | NW   | NW  |      |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (%) | SPD  | FRQ | (%)  | SPD | FRQ  | (%) | SPD  | FRQ | (%)  | SPD | FRQ  | (%) |      |
| SFC  | .      | .    | 26  | 23  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 8   | 6.9  | 10  | 68.9 | 12  | 23.6 | 12  | 0.3  | 0   | 0.0  |
| 1000 | 342    | -22  | 25  | 22  | 4   | 0.1  | 0   | 0.0  | 9   | 1.0  | 11  | 19.1 | 12  | 65.6 | 13  | 13.1 | 10  | 0.5  | 7   | 0.3  |
| 850  | 4957   | 177  | 17  | 10  | 0   | 0.0  | 3   | 0.1  | 11  | 7.5  | 14  | 40.2 | 11  | 37.3 | 11  | 13.1 | 8   | 1.1  | 2   | 0.1  |
| 700  | 10321  | 439  | 10  | -2  | 7   | 6.6  | 6   | 5.6  | 8   | 14.5 | 9   | 16.8 | 9   | 10.3 | 11  | 17.5 | 12  | 19.8 | 9   | 7.1  |
| 500  | 19225  | 936  | -5  | -16 | 7   | 11.1 | 8   | 10.8 | 10  | 19.1 | 8   | 9.8  | 8   | 9.0  | 10  | 12.3 | 11  | 15.5 | 10  | 11.5 |
| 400  | 24856  | 1282 | -16 | -28 | 7   | 7.6  | 9   | 9.3  | 12  | 22.7 | 9   | 16.3 | 8   | 8.6  | 9   | 11.6 | 11  | 16.6 | 8   | 6.1  |
| 300  | 31764  | 1699 | -32 | -44 | 8   | 7.5  | 11  | 14.3 | 14  | 27.0 | 12  | 15.8 | 10  | 9.6  | 8   | 6.1  | 12  | 10.0 | 10  | 8.8  |
| 250  | 35896  | 1897 | -42 | .   | 10  | 6.0  | 15  | 16.8 | 17  | 33.3 | 17  | 15.1 | 13  | 7.1  | 9   | 4.8  | 13  | 6.5  | 12  | 9.1  |
| 200  | 40736  | 2074 | -54 | .   | 12  | 7.5  | 18  | 17.1 | 24  | 42.9 | 15  | 13.5 | 13  | 5.0  | 11  | 3.0  | 13  | 5.3  | 14  | 5.0  |
| 150  | 46610  | 1963 | -68 | .   | 13  | 3.6  | 18  | 15.3 | 29  | 54.2 | 14  | 9.8  | 10  | 3.6  | 13  | 3.1  | 14  | 5.3  | 12  | 4.5  |
| 100  | 54409  | 1326 | -74 | .   | 10  | 6.6  | 15  | 10.8 | 18  | 38.0 | 11  | 14.5 | 10  | 5.3  | 10  | 5.5  | 12  | 10.6 | 10  | 7.8  |
| 70   | 61291  | 787  | -69 | .   | 11  | 6.8  | 15  | 8.0  | 22  | 26.5 | 11  | 5.6  | 10  | 2.6  | 11  | 13.6 | 14  | 25.0 | 10  | 11.0 |
| 50   | 67952  | 445  | -62 | .   | 11  | 3.1  | 18  | 10.6 | 24  | 33.7 | 15  | 9.6  | 10  | 2.6  | 15  | 7.1  | 22  | 26.8 | 14  | 5.6  |
| 30   | 78479  | 235  | -55 | .   | 6   | 1.0  | 25  | 6.8  | 39  | 47.7 | 17  | 5.1  | 9   | 3.6  | 20  | 14.0 | 19  | 17.8 | 13  | 3.6  |
| 20   | 87180  | 299  | -50 | .   | 11  | 0.1  | 0   | 0.0  | 30  | 19.9 | 0   | 0.0  | 0   | 0.1  | 16  | 7.4  | 17  | 18.7 | 14  | 3.2  |
| 10   | 102108 | 223  | -40 | .   | 21  | 0.3  | 0   | 0.0  | 60  | 39.9 | 0   | 0.0  | 1   | 0.3  | 32  | 14.9 | 34  | 37.6 | 29  | 6.6  |

SEP Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S    | SW  | SW   | W   | W    | NW  | NW   |     |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (%) | SPD  | FRQ | (%)  | SPD | FRQ  | (%) | SPD  | FRQ | (%)  | SPD | FRQ  | (%) | SPD  | FRQ |
| SFC  | .      | .    | 28  | 19  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 12  | 68.3 | 12  | 31.6 | 0   | 0.0  | 0   | 0.0  |     |
| 1000 | 337    | -27  | 27  | 20  | 0   | 0.0  | 0   | 0.0  | 3   | 0.1  | 10  | 2.0  | 15  | 70.7 | 14  | 26.7 | 5   | 0.1  | 1   | 0.1  |     |
| 850  | 4965   | 185  | 17  | 11  | 2   | 0.1  | 0   | 0.0  | 10  | 0.1  | 13  | 3.5  | 16  | 44.2 | 18  | 51.5 | 17  | 0.3  | 0   | 0.0  |     |
| 700  | 10330  | 448  | 9   | -1  | 6   | 1.0  | 5   | 1.6  | 7   | 3.8  | 8   | 13.8 | 9   | 23.7 | 11  | 31.7 | 12  | 20.2 | 9   | 3.8  |     |
| 500  | 19229  | 940  | -6  | -16 | 9   | 12.6 | 10  | 20.8 | 11  | 23.0 | 9   | 11.3 | 9   | 9.3  | 7   | 4.3  | 10  | 8.1  | 9   | 9.3  |     |
| 400  | 24858  | 1284 | -16 | -29 | 7   | 5.6  | 9   | 14.1 | 13  | 30.0 | 10  | 19.5 | 9   | 5.8  | 9   | 8.8  | 9   | 9.3  | 9   | 6.1  |     |
| 300  | 31762  | 1697 | -32 | -44 | 9   | 4.5  | 11  | 15.0 | 15  | 32.3 | 13  | 20.3 | 10  | 8.1  | 10  | 5.3  | 10  | 7.0  | 10  | 6.5  |     |
| 250  | 35896  | 1897 | -42 | .   | 9   | 5.1  | 16  | 13.1 | 18  | 32.8 | 15  | 24.0 | 10  | 7.1  | 10  | 6.0  | 14  | 5.3  | 10  | 6.1  |     |
| 200  | 40737  | 2075 | -54 | .   | 12  | 4.1  | 17  | 14.8 | 22  | 44.4 | 17  | 18.6 | 15  | 7.0  | 11  | 3.6  | 13  | 4.0  | 13  | 2.8  |     |
| 150  | 46615  | 1968 | -68 | .   | 14  | 6.0  | 17  | 16.0 | 28  | 53.2 | 16  | 12.6 | 11  | 3.8  | 9   | 2.1  | 7   | 1.5  | 11  | 4.1  |     |
| 100  | 54410  | 1327 | -74 | .   | 11  | 6.1  | 17  | 19.3 | 20  | 47.2 | 14  | 12.3 | 10  | 2.5  | 11  | 4.3  | 11  | 3.5  | 15  | 4.1  |     |
| 70   | 61291  | 787  | -69 | .   | 7   | 7.8  | 14  | 16.1 | 22  | 39.3 | 10  | 8.0  | 7   | 5.5  | 9   | 6.5  | 10  | 9.3  | 10  | 6.3  |     |
| 50   | 67951  | 444  | -62 | .   | 10  | 4.0  | 18  | 12.1 | 24  | 39.5 | 15  | 10.8 | 9   | 5.3  | 10  | 6.3  | 18  | 14.0 | 11  | 7.0  |     |
| 30   | 78480  | 236  | -55 | .   | 9   | 2.8  | 25  | 8.5  | 37  | 48.7 | 18  | 8.1  | 15  | 5.8  | 17  | 9.6  | 16  | 10.3 | 13  | 5.8  |     |
| 20   | 87181  | 300  | -50 | .   | 7   | 1.6  | 7   | 0.1  | 30  | 20.1 | 0   | 0.0  | 10  | 0.1  | 10  | 1.9  | 14  | 19.4 | 10  | 6.2  |     |
| 10   | 102100 | 215  | -40 | .   | 15  | 3.3  | 14  | 0.3  | 60  | 40.3 | 0   | 0.0  | 20  | 0.3  | 19  | 3.9  | 28  | 38.9 | 20  | 12.6 |     |

SEP Latitude= 2.50 Longitude= 47.50

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.3              | 13                | 55.6            | 16                 | 43.9             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 340         | -24          | 25         | 22         | 0                 | 0.0             | 2                  | 0.1              | 0                 | 0.0             | 10                 | 2.1              | 15                | 60.4            | 16                 | 36.3             | 10                | 0.5             | 5                  | 0.3              |
| 850         | 4958        | 178          | 17         | 9          | 5                 | 0.3             | 2                  | 0.1              | 7                 | 0.3             | 13                 | 6.5              | 14                | 40.0            | 17                 | 50.2             | 14                | 2.3             | 0                  | 0.0              |
| 700         | 10325       | 443          | 10         | -1         | 7                 | 2.8             | 5                  | 3.3              | 7                 | 4.8             | 8                  | 10.1             | 8                 | 15.6            | 11                 | 25.7             | 12                | 26.8            | 8                  | 9.8              |
| 500         | 19226       | 937          | -5         | -16        | 9                 | 13.0            | 10                 | 17.5             | 11                | 20.2            | 7                  | 10.3             | 9                 | 6.6             | 9                  | 9.5              | 11                | 11.1            | 10                 | 10.8             |
| 400         | 24858       | 1284         | -16        | -29        | 8                 | 7.0             | 9                  | 12.1             | 12                | 28.2            | 10                 | 15.6             | 7                 | 7.5             | 10                 | 9.6              | 11                | 10.8            | 9                  | 7.6              |
| 300         | 31766       | 1701         | -32        | -44        | 8                 | 5.5             | 11                 | 14.8             | 15                | 32.3            | 12                 | 18.3             | 9                 | 8.5             | 8                  | 4.5              | 12                | 7.5             | 10                 | 7.6              |
| 250         | 35899       | 1900         | -42        | .          | 10                | 4.5             | 14                 | 14.6             | 19                | 36.7            | 16                 | 18.3             | 11                | 7.5             | 10                 | 4.3              | 12                | 6.6             | 11                 | 6.8              |
| 200         | 40738       | 2076         | -54        | .          | 12                | 4.1             | 17                 | 14.6             | 24                | 47.2            | 16                 | 17.0             | 13                | 6.8             | 10                 | 2.3              | 14                | 2.8             | 13                 | 4.8              |
| 150         | 46613       | 1966         | -68        | .          | 12                | 5.0             | 18                 | 13.8             | 29                | 58.5            | 17                 | 11.3             | 12                | 2.8             | 8                  | 2.5              | 9                 | 1.3             | 12                 | 4.1              |
| 100         | 54411       | 1328         | -74        | .          | 10                | 5.5             | 15                 | 17.1             | 20                | 49.9            | 13                 | 13.0             | 8                 | 2.3             | 11                 | 3.3              | 12                | 3.6             | 11                 | 4.8              |
| 70          | 61293       | 789          | -69        | .          | 9                 | 6.3             | 13                 | 16.1             | 22                | 39.2            | 9                  | 8.5              | 8                 | 4.8             | 9                  | 8.5              | 9                 | 9.0             | 9                  | 6.5              |
| 50          | 67952       | 445          | -62        | .          | 8                 | 3.1             | 18                 | 12.1             | 25                | 40.2            | 14                 | 9.5              | 9                 | 5.5             | 12                 | 6.3              | 17                | 14.6            | 12                 | 7.3              |
| 30          | 78480       | 236          | -55        | .          | 10                | 2.0             | 26                 | 8.3              | 37                | 48.5            | 18                 | 8.6              | 13                | 6.0             | 17                 | 12.8             | 15                | 8.3             | 12                 | 5.1              |
| 20          | 87181       | 300          | -50        | .          | 8                 | 0.7             | 2                  | 0.4              | 30                | 19.9            | 0                  | 0.1              | 10                | 0.9             | 11                 | 5.2              | 14                | 17.2            | 12                 | 4.7              |
| 10          | 102105      | 220          | -40        | .          | 16                | 1.6             | 4                  | 0.9              | 61                | 39.9            | 1                  | 0.3              | 20                | 1.9             | 23                 | 10.6             | 28                | 34.6            | 24                 | 9.6              |

SEP Latitude= 2.50 Longitude= 50.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.6              | 11                | 37.9            | 13                 | 61.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 334         | -30          | 24         | 22         | 0                 | 0.0             | 2                  | 0.1              | 0                 | 0.0             | 9                  | 2.6              | 13                | 47.5            | 15                 | 48.7             | 12                | 0.3             | 6                  | 0.5              |
| 850         | 4952        | 172          | 18         | 10         | 3                 | 0.1             | 0                  | 0.0              | 7                 | 1.0             | 12                 | 16.0             | 13                | 38.7            | 16                 | 39.2             | 9                 | 4.1             | 3                  | 0.5              |
| 700         | 10321       | 439          | 10         | -1         | 6                 | 4.6             | 4                  | 3.5              | 7                 | 6.3             | 8                  | 8.6              | 8                 | 10.3            | 11                 | 15.5             | 13                | 32.5            | 9                  | 17.3             |
| 500         | 19225       | 936          | -5         | -16        | 9                 | 12.0            | 9                  | 15.0             | 10                | 14.8            | 8                  | 10.1             | 8                 | 6.6             | 10                 | 9.5              | 12                | 15.0            | 9                  | 15.8             |
| 400         | 24857       | 1283         | -16        | -28        | 8                 | 8.0             | 9                  | 12.5             | 11                | 25.7            | 9                  | 14.0             | 7                 | 7.6             | 10                 | 11.0             | 14                | 14.0            | 9                  | 6.5              |
| 300         | 31766       | 1701         | -32        | -44        | 9                 | 7.1             | 11                 | 13.8             | 14                | 31.5            | 12                 | 18.3             | 8                 | 8.0             | 7                  | 5.0              | 14                | 6.0             | 9                  | 7.1              |
| 250         | 35897       | 1898         | -42        | .          | 10                | 7.1             | 15                 | 15.3             | 19                | 36.7            | 16                 | 17.5             | 11                | 6.1             | 12                 | 4.1              | 12                | 7.0             | 13                 | 5.8              |
| 200         | 40737       | 2075         | -54        | .          | 12                | 4.5             | 17                 | 15.1             | 25                | 51.2            | 15                 | 14.6             | 10                | 4.6             | 12                 | 1.8              | 12                | 3.3             | 16                 | 4.5              |
| 150         | 46611       | 1964         | -68        | .          | 14                | 4.3             | 17                 | 11.3             | 31                | 60.7            | 17                 | 12.3             | 9                 | 3.0             | 10                 | 2.3              | 12                | 2.5             | 12                 | 3.0              |
| 100         | 54408       | 1325         | -74        | .          | 10                | 5.0             | 16                 | 12.0             | 21                | 53.9            | 14                 | 15.5             | 8                 | 3.1             | 12                 | 2.6              | 11                | 3.1             | 8                  | 4.1              |
| 70          | 61289       | 785          | -69        | .          | 9                 | 4.8             | 15                 | 12.8             | 22                | 40.2            | 10                 | 8.6              | 7                 | 5.8             | 9                  | 9.5              | 10                | 8.8             | 8                  | 8.5              |
| 50          | 67949       | 442          | -62        | .          | 8                 | 3.3             | 17                 | 11.3             | 25                | 40.9            | 14                 | 8.5              | 10                | 6.3             | 12                 | 6.0              | 16                | 16.6            | 13                 | 6.5              |
| 30          | 78480       | 236          | -55        | .          | 7                 | 2.0             | 25                 | 7.1              | 37                | 49.4            | 16                 | 9.1              | 14                | 6.5             | 18                 | 10.8             | 15                | 9.8             | 13                 | 5.1              |
| 20          | 87177       | 296          | -50        | .          | 9                 | 0.4             | 4                  | 0.1              | 30                | 20.1            | 2                  | 0.1              | 15                | 2.6             | 14                 | 4.4              | 14                | 17.2            | 12                 | 4.4              |
| 10          | 102104      | 219          | -40        | .          | 17                | 0.9             | 9                  | 0.3              | 61                | 40.3            | 4                  | 0.3              | 30                | 5.3             | 27                 | 8.9              | 28                | 34.6            | 24                 | 8.9              |

SEP Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 17  | 0     | 0.0  | 0     | 0.0  | 10    | 0.3  | 13    | 52.9 |
| 1000 | 316    | -48  | 29  | 19  | 0     | 0.0  | 1     | 0.1  | 12    | 2.0  | 15    | 49.9 |
| 850  | 4954   | 174  | 19  | 13  | 0     | 0.0  | 0     | 0.0  | 10    | 0.5  | 19    | 76.2 |
| 700  | 10332  | 450  | 9   | 2   | 6     | 2.6  | 5     | 1.5  | 6     | 4.3  | 10    | 29.3 |
| 500  | 19236  | 947  | -6  | -17 | 9     | 16.0 | 10    | 25.0 | 8     | 13.3 | 7     | 4.1  |
| 400  | 24863  | 1289 | -16 | -30 | 8     | 7.6  | 13    | 37.7 | 10    | 15.6 | 7     | 4.1  |
| 300  | 31764  | 1699 | -32 | -45 | 11    | 3.3  | 16    | 43.4 | 14    | 18.3 | 9     | 6.6  |
| 250  | 35903  | 1904 | -42 | .   | 12    | 3.8  | 20    | 43.7 | 16    | 22.3 | 11    | 6.5  |
| 200  | 40748  | 2086 | -54 | .   | 11    | 2.5  | 25    | 54.4 | 17    | 17.5 | 14    | 1.8  |
| 150  | 46630  | 1983 | -68 | .   | 14    | 4.5  | 31    | 59.9 | 15    | 14.5 | 11    | 0.8  |
| 100  | 54417  | 1334 | -74 | .   | 13    | 2.6  | 24    | 64.7 | 16    | 9.3  | 14    | 0.5  |
| 70   | 61299  | 795  | -69 | .   | 8     | 2.5  | 23    | 61.9 | 13    | 9.3  | 10    | 2.8  |
| 50   | 67960  | 453  | -62 | .   | 7     | 3.1  | 25    | 55.4 | 16    | 14.0 | 10    | 2.5  |
| 30   | 78497  | 253  | -55 | .   | 11    | 3.1  | 34    | 59.2 | 18    | 12.3 | 13    | 6.5  |
| 20   | 87202  | 321  | -50 | .   | 7     | 1.9  | 25    | 23.9 | 11    | 1.4  | 5     | 0.4  |
| 10   | 102121 | 236  | -40 | .   | 15    | 3.9  | 50    | 47.9 | 22    | 2.9  | 10    | 0.9  |

SEP Latitude= 5.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 19  | 0     | 0.0  | 0     | 0.0  | 11    | 0.6  | 14    | 74.6 |
| 1000 | 308    | -56  | 27  | 20  | 0     | 0.0  | 10    | 0.1  | 13    | 1.6  | 17    | 61.7 |
| 850  | 4949   | 169  | 18  | 11  | 0     | 0.0  | 5     | 0.1  | 7     | 0.1  | 17    | 9.5  |
| 700  | 10325  | 443  | 10  | 1   | 6     | 3.3  | 5     | 0.6  | 6     | 2.5  | 7     | 9.8  |
| 500  | 19230  | 941  | -5  | -17 | 9     | 16.1 | 10    | 19.0 | 9     | 8.6  | 6     | 5.6  |
| 400  | 24862  | 1288 | -16 | -29 | 7     | 7.1  | 12    | 33.0 | 9     | 14.3 | 7     | 5.1  |
| 300  | 31770  | 1705 | -32 | -45 | 9     | 4.8  | 16    | 43.9 | 13    | 16.3 | 9     | 4.5  |
| 250  | 35905  | 1906 | -42 | .   | 10    | 5.3  | 20    | 44.0 | 17    | 18.8 | 11    | 4.6  |
| 200  | 40747  | 2095 | -54 | .   | 10    | 3.0  | 27    | 55.2 | 17    | 15.6 | 12    | 5.6  |
| 150  | 46627  | 1980 | -68 | .   | 13    | 5.1  | 32    | 65.1 | 18    | 11.8 | 10    | 2.0  |
| 100  | 54416  | 1333 | -74 | .   | 10    | 2.8  | 24    | 65.4 | 16    | 11.1 | 9     | 1.5  |
| 70   | 61298  | 794  | -69 | .   | 10    | 2.1  | 23    | 63.4 | 13    | 9.3  | 7     | 3.5  |
| 50   | 67956  | 449  | -62 | .   | 8     | 4.3  | 25    | 55.5 | 17    | 12.1 | 10    | 3.8  |
| 30   | 78493  | 249  | -55 | .   | 12    | 3.1  | 35    | 58.2 | 18    | 12.5 | 12    | 7.0  |
| 20   | 87194  | 313  | -50 | .   | 9     | 2.2  | 27    | 22.1 | 14    | 3.4  | 8     | 1.1  |
| 10   | 102121 | 236  | -41 | .   | 17    | 4.6  | 54    | 44.3 | 27    | 6.9  | 15    | 2.3  |

SEP Latitude= 5.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0  | 0     | 0.0  | 14    | 35.3 | 17    | 64.6 |
| 1000 | 317    | -47  | 24  | 22  | 0     | 0.0  | 7     | 0.1  | 16    | 31.7 | 20    | 66.6 |
| 850  | 4944   | 164  | 18  | 9   | 0     | 0.0  | 3     | 0.1  | 16    | 13.3 | 17    | 12.3 |
| 700  | 10321  | 439  | 10  | 1   | 6     | 5.3  | 5     | 1.3  | 9     | 7.1  | 10    | 14.6 |
| 500  | 19226  | 937  | -5  | -18 | 9     | 17.6 | 9     | 13.1 | 7     | 5.0  | 9     | 11.8 |
| 400  | 24861  | 1287 | -16 | -29 | 8     | 7.0  | 12    | 29.5 | 6     | 3.8  | 6     | 5.8  |
| 300  | 31773  | 1708 | -32 | -44 | 9     | 6.6  | 15    | 18.1 | 7     | 5.0  | 7     | 2.5  |
| 250  | 35907  | 1908 | -42 | .   | 11    | 6.3  | 15    | 17.3 | 8     | 4.3  | 9     | 2.5  |
| 200  | 40748  | 2086 | -54 | .   | 11    | 3.0  | 27    | 59.7 | 11    | 4.0  | 10    | 1.6  |
| 150  | 46627  | 1980 | -68 | .   | 11    | 4.6  | 33    | 67.4 | 11    | 1.8  | 6     | 1.1  |
| 100  | 54420  | 1337 | -74 | .   | 10    | 2.1  | 24    | 68.6 | 13    | 1.5  | 10    | 0.8  |
| 70   | 61300  | 796  | -69 | .   | 9     | 2.3  | 23    | 62.2 | 6     | 2.6  | 7     | 1.6  |
| 50   | 67958  | 451  | -62 | .   | 8     | 5.1  | 26    | 55.4 | 9     | 4.3  | 8     | 3.0  |
| 30   | 78492  | 249  | -55 | .   | 9     | 2.1  | 36    | 56.5 | 14    | 3.6  | 15    | 5.8  |
| 20   | 87194  | 313  | -50 | .   | 8     | 1.9  | 28    | 20.9 | 11    | 1.7  | 8     | 5.2  |
| 10   | 102131 | 246  | -41 | .   | 17    | 3.9  | 56    | 41.9 | 23    | 3.6  | 17    | 10.6 |

SEP Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 15  | 0     | 0.0  | 0     | 0.0  | 12    | 30.3 | 13    | 69.3 |
| 1000 | 306    | -58  | 30  | 20  | 0     | 0.0  | 0     | 0.0  | 14    | 31.3 | 16    | 68.4 |
| 850  | 4927   | 147  | 21  | 14  | 0     | 0.0  | 0     | 0.0  | 19    | 18.8 | 21    | 80.4 |
| 700  | 10328  | 446  | 9   | 5   | 6     | 4.3  | 3     | 1.5  | 9     | 5.3  | 11    | 18.8 |
| 500  | 19249  | 960  | -6  | -18 | 9     | 18.3 | 10    | 28.5 | 5     | 0.6  | 4     | 1.0  |
| 400  | 24873  | 1299 | -16 | -29 | 10    | 6.8  | 13    | 47.5 | 7     | 2.0  | 8     | 1.3  |
| 300  | 31770  | 1705 | -32 | -44 | 11    | 4.0  | 18    | 51.9 | 10    | 4.6  | 10    | 2.8  |
| 250  | 35917  | 1918 | -42 | .   | 12    | 3.3  | 21    | 54.5 | 12    | 3.0  | 15    | 0.3  |
| 200  | 40768  | 2106 | -54 | .   | 15    | 2.3  | 27    | 60.2 | 14    | 4.5  | 9     | 2.0  |
| 150  | 46657  | 2010 | -67 | .   | 20    | 2.3  | 32    | 67.6 | 11    | 1.6  | 5     | 0.1  |
| 100  | 54435  | 1352 | -75 | .   | 13    | 1.0  | 28    | 74.9 | 10    | 0.5  | 4     | 0.3  |
| 70   | 61311  | 807  | -69 | .   | 9     | 0.6  | 26    | 81.8 | 11    | 0.3  | 5     | 0.1  |
| 50   | 67976  | 469  | -62 | .   | 9     | 0.8  | 28    | 74.7 | 9     | 0.6  | 14    | 0.1  |
| 30   | 78512  | 268  | -55 | .   | 11    | 0.6  | 35    | 69.2 | 13    | 3.3  | 16    | 2.1  |
| 20   | 87218  | 337  | -50 | .   | 4     | 1.7  | 22    | 29.6 | 5     | 1.4  | 6     | 2.9  |
| 10   | 102155 | 270  | -41 | .   | 9     | 3.6  | 45    | 59.3 | 10    | 2.9  | 12    | 5.9  |

SEP Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 17  | 0     | 0.0  | 0     | 0.0  | 11    | 47.9 | 13    | 51.3 |
| 1000 | 292    | -72  | 30  | 20  | 0     | 0.0  | 0     | 0.0  | 14    | 39.5 | 13    | 0.1  |
| 850  | 4931   | 151  | 20  | 14  | 0     | 0.0  | 1     | 0.1  | 18    | 6.6  | 17    | 4.5  |
| 700  | 10327  | 445  | 9   | 5   | 8     | 3.5  | 3     | 0.3  | 10    | 4.8  | 13    | 51.2 |
| 500  | 19239  | 950  | -5  | -18 | 9     | 21.7 | 9     | 20.0 | 6     | 1.8  | 5     | 2.3  |
| 400  | 24868  | 1294 | -16 | -28 | 9     | 9.1  | 13    | 41.4 | 6     | 3.0  | 7     | 1.5  |
| 300  | 31772  | 1707 | -32 | -43 | 9     | 3.1  | 18    | 55.7 | 7     | 3.3  | 10    | 1.1  |
| 250  | 35917  | 1918 | -42 | .   | 10    | 4.8  | 17    | 15.1 | 9     | 2.3  | 12    | 0.5  |
| 200  | 40768  | 2106 | -54 | .   | 11    | 2.8  | 20    | 11.6 | 13    | 1.0  | 7     | 1.1  |
| 150  | 46655  | 2008 | -68 | .   | 17    | 3.0  | 19    | 14.3 | 15    | 2.8  | 4     | 0.5  |
| 100  | 54437  | 1354 | -75 | .   | 12    | 1.0  | 20    | 12.5 | 8     | 0.8  | 0     | 0.0  |
| 70   | 61314  | 810  | -69 | .   | 7     | 1.0  | 18    | 11.5 | 6     | 0.1  | 0     | 0.0  |
| 50   | 67975  | 468  | -62 | .   | 9     | 1.1  | 20    | 12.6 | 10    | 1.1  | 13    | 0.3  |
| 30   | 78515  | 271  | -55 | .   | 7     | 1.0  | 23    | 11.8 | 12    | 3.3  | 7     | 0.6  |
| 20   | 87220  | 339  | -50 | .   | 3     | 1.1  | 10    | 4.1  | 4     | 2.2  | 6     | 4.7  |
| 10   | 102163 | 278  | -41 | .   | 7     | 2.3  | 20    | 8.3  | 9     | 4.6  | 13    | 9.6  |

SEP Latitude= 7.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 22  | 0     | 0.0  | 0     | 0.0  | 20    | 46.6 | 20    | 53.3 |
| 1000 | 281    | -83  | 27  | 22  | 0     | 0.0  | 0     | 0.0  | 21    | 38.3 | 21    | 61.6 |
| 850  | 4925   | 145  | 19  | 12  | 0     | 0.0  | 0     | 0.0  | 16    | 2.3  | 25    | 80.9 |
| 700  | 10320  | 438  | 10  | 4   | 9     | 5.3  | 4     | 0.1  | 10    | 2.8  | 14    | 45.9 |
| 500  | 19231  | 942  | -5  | -18 | 9     | 23.5 | 9     | 13.8 | 5     | 4.3  | 5     | 3.1  |
| 400  | 24865  | 1291 | -16 | -29 | 8     | 10.8 | 12    | 42.9 | 6     | 3.6  | 8     | 3.1  |
| 300  | 31777  | 1712 | -32 | -44 | 10    | 3.8  | 17    | 56.7 | 7     | 2.3  | 9     | 0.8  |
| 250  | 35918  | 1919 | -42 | .   | 13    | 4.3  | 21    | 58.2 | 10    | 2.3  | 11    | 0.8  |
| 200  | 40767  | 2105 | -54 | .   | 9     | 2.5  | 29    | 69.4 | 11    | 2.3  | 7     | 0.6  |
| 150  | 46655  | 2008 | -68 | .   | 11    | 2.6  | 34    | 75.6 | 10    | 0.3  | 4     | 0.5  |
| 100  | 54441  | 1358 | -75 | .   | 9     | 1.3  | 28    | 78.6 | 18    | 0.3  | 0     | 0.0  |
| 70   | 61319  | 815  | -69 | .   | 8     | 0.8  | 26    | 80.6 | 6     | 0.3  | 11    | 0.1  |
| 50   | 67973  | 466  | -63 | .   | 10    | 1.1  | 28    | 75.2 | 10    | 0.8  | 10    | 0.5  |
| 30   | 78513  | 269  | -55 | .   | 7     | 0.8  | 36    | 68.1 | 8     | 2.0  | 11    | 3.5  |
| 20   | 87214  | 333  | -50 | .   | 3     | 0.4  | 23    | 26.1 | 5     | 1.7  | 7     | 4.6  |
| 10   | 102170 | 285  | -41 | .   | 6     | 0.9  | 18    | 8.9  | 10    | 3.6  | 14    | 9.3  |

OCT Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0 | 8     | 8.3  | 9     | 53.2 | 10    | 10.6 |
| 1000 | 338    | -26  | 25  | 23  | 6     | 0.1 | 9     | 13.2 | 11    | 41.0 | 10    | 8.3  |
| 850  | 4964   | 184  | 18  | 10  | 6     | 4.9 | 10    | 13.8 | 9     | 25.3 | 5     | 6.6  |
| 700  | 10331  | 449  | 9   | -1  | 6     | 7.3 | 9     | 20.4 | 7     | 12.5 | 6     | 11.7 |
| 500  | 19229  | 940  | -5  | -15 | 7     | 8.9 | 12    | 33.9 | 10    | 8.6  | 10    | 4.5  |
| 400  | 24863  | 1289 | -16 | -28 | 8     | 6.6 | 13    | 33.4 | 9     | 8.9  | 8     | 8.1  |
| 300  | 31777  | 1712 | -32 | -44 | 10    | 7.1 | 15    | 24.5 | 9     | 8.3  | 13    | 14.0 |
| 250  | 35915  | 1916 | -42 | .   | 9     | 6.3 | 16    | 19.6 | 11    | 8.9  | 14    | 19.1 |
| 200  | 40763  | 2101 | -54 | .   | 10    | 6.2 | 16    | 17.4 | 11    | 9.1  | 13    | 13.8 |
| 150  | 46646  | 1999 | -68 | .   | 11    | 7.0 | 18    | 19.9 | 12    | 6.2  | 18    | 18.7 |
| 100  | 54398  | 1315 | -76 | .   | 8     | 8.9 | 15    | 21.4 | 11    | 7.1  | 14    | 14.3 |
| 70   | 61207  | 703  | -71 | .   | 9     | 8.1 | 18    | 20.9 | 7     | 4.2  | 14    | 23.2 |
| 50   | 67805  | 298  | -64 | .   | 13    | 2.9 | 21    | 27.2 | 8     | 6.0  | 21    | 24.0 |
| 30   | 78292  | 48   | -56 | .   | 18    | 1.7 | 35    | 47.7 | 12    | 3.1  | 17    | 11.9 |
| 20   | 86989  | 108  | -50 | .   | 6     | 0.9 | 24    | 19.7 | 3     | 0.5  | 17    | 16.8 |
| 10   | 101989 | 104  | -39 | .   | 13    | 1.9 | 49    | 39.6 | 7     | 1.2  | 24    | 6.4  |

OCT Latitude= 0.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 3     | 0.3  | 6     | 10.3 | 8     | 42.9 | 3     | 1.9  |
| 1000 | 338    | -26  | 25  | 22  | 7     | 1.4  | 8     | 17.9 | 10    | 30.8 | 4     | 2.2  |
| 850  | 4963   | 183  | 18  | 10  | 7     | 7.1  | 10    | 12.9 | 8     | 19.4 | 8     | 12.2 |
| 700  | 10328  | 446  | 10  | -2  | 7     | 8.1  | 9     | 16.6 | 6     | 6.5  | 8     | 19.7 |
| 500  | 19228  | 939  | -5  | -16 | 8     | 9.1  | 12    | 31.3 | 9     | 9.8  | 10    | 5.8  |
| 400  | 24862  | 1288 | -16 | -29 | 8     | 7.6  | 13    | 29.9 | 10    | 7.6  | 9     | 8.1  |
| 300  | 31778  | 1713 | -32 | -44 | 10    | 8.0  | 15    | 23.2 | 9     | 5.8  | 10    | 8.4  |
| 250  | 35915  | 1916 | -42 | .   | 10    | 6.8  | 16    | 21.5 | 10    | 8.1  | 13    | 11.2 |
| 200  | 40763  | 2101 | -54 | .   | 12    | 8.3  | 16    | 20.5 | 10    | 7.5  | 15    | 11.9 |
| 150  | 46645  | 1998 | -68 | .   | 9     | 9.3  | 19    | 23.8 | 9     | 6.6  | 17    | 15.3 |
| 100  | 54396  | 1313 | -76 | .   | 9     | 10.2 | 16    | 22.5 | 10    | 7.1  | 14    | 15.3 |
| 70   | 61206  | 702  | -71 | .   | 10    | 8.1  | 19    | 19.1 | 8     | 4.2  | 14    | 23.6 |
| 50   | 67806  | 299  | -64 | .   | 9     | 4.0  | 23    | 26.3 | 9     | 8.0  | 22    | 24.3 |
| 30   | 78293  | 49   | -56 | .   | 17    | 1.7  | 34    | 48.6 | 12    | 4.4  | 26    | 17.3 |
| 20   | 86990  | 109  | -50 | .   | 6     | 0.7  | 24    | 19.9 | 4     | 0.9  | 17    | 17.0 |
| 10   | 101991 | 106  | -40 | .   | 12    | 1.6  | 49    | 39.9 | 8     | 1.9  | 34    | 34.1 |

OCT Latitude= 0.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 4     | 2.9  | 4     | 4.5  | 6     | 22.5 | 7     | 35.1 |
| 1000 | 336    | -28  | 25  | 22  | 5     | 4.2  | 7     | 11.1 | 8     | 27.7 | 8     | 25.3 |
| 850  | 4960   | 180  | 18  | 11  | 7     | 5.7  | 8     | 14.0 | 8     | 15.0 | 7     | 15.3 |
| 700  | 10325  | 443  | 10  | -1  | 7     | 7.3  | 9     | 13.2 | 6     | 7.0  | 9     | 11.9 |
| 500  | 19227  | 938  | -5  | -15 | 7     | 6.8  | 11    | 27.4 | 9     | 12.7 | 8     | 8.6  |
| 400  | 24862  | 1288 | -16 | -28 | 8     | 8.9  | 10    | 26.4 | 11    | 13.7 | 9     | 7.3  |
| 300  | 31777  | 1712 | -32 | -44 | 10    | 9.3  | 12    | 23.0 | 11    | 11.4 | 8     | 6.8  |
| 250  | 35916  | 1917 | -42 | .   | 12    | 6.2  | 14    | 13.8 | 10    | 5.8  | 13    | 11.9 |
| 200  | 40765  | 2103 | -54 | .   | 11    | 6.5  | 14    | 14.2 | 10    | 5.8  | 15    | 15.0 |
| 150  | 46646  | 1999 | -68 | .   | 10    | 7.8  | 16    | 24.8 | 9     | 7.1  | 17    | 16.1 |
| 100  | 54395  | 1312 | -76 | .   | 9     | 10.4 | 10    | 25.0 | 7     | 7.1  | 13    | 14.8 |
| 70   | 61207  | 703  | -71 | .   | 10    | 6.6  | 12    | 10.2 | 8     | 3.4  | 10    | 10.1 |
| 50   | 67808  | 301  | -64 | .   | 9     | 4.4  | 19    | 20.4 | 9     | 5.5  | 15    | 27.4 |
| 30   | 78297  | 53   | -56 | .   | 18    | 1.3  | 27    | 6.2  | 10    | 4.2  | 21    | 25.9 |
| 20   | 86994  | 113  | -50 | .   | 6     | 0.2  | 24    | 19.6 | 7     | 1.5  | 24    | 19.1 |
| 10   | 101996 | 111  | -40 | .   | 11    | 0.6  | 49    | 39.3 | 13    | 3.2  | 33    | 35.8 |

OCT Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 20  | 0     | 0.0  | 8     | 5.8  | 7     | 23.5 | 10    | 62.5 |
| 1000 | 322    | -42  | 27  | 21  | 0     | 0.0  | 10    | 11.1 | 9     | 30.8 | 11    | 48.8 |
| 850  | 4962   | 182  | 18  | 12  | 7     | 2.4  | 8     | 15.6 | 7     | 13.3 | 10    | 19.2 |
| 700  | 10333  | 451  | 9   | 1   | 7     | 14.2 | 8     | 18.1 | 6     | 9.9  | 5     | 7.0  |
| 500  | 19230  | 941  | -6  | -16 | 8     | 5.8  | 11    | 38.5 | 9     | 11.9 | 9     | 7.5  |
| 400  | 24862  | 1288 | -16 | -29 | 9     | 8.0  | 10    | 24.5 | 11    | 14.5 | 10    | 5.8  |
| 300  | 31775  | 1710 | -32 | -44 | 10    | 8.3  | 10    | 18.9 | 11    | 14.0 | 8     | 8.6  |
| 250  | 35915  | 1916 | -42 | .   | 12    | 5.3  | 10    | 12.2 | 13    | 15.0 | 10    | 9.4  |
| 200  | 40763  | 2101 | -54 | .   | 10    | 5.3  | 13    | 11.4 | 17    | 21.7 | 12    | 8.9  |
| 150  | 46646  | 1999 | -68 | .   | 10    | 7.3  | 14    | 13.5 | 19    | 23.8 | 13    | 7.5  |
| 100  | 54395  | 1312 | -76 | .   | 10    | 9.8  | 12    | 17.4 | 16    | 13.0 | 12    | 7.6  |
| 70   | 61206  | 702  | -71 | .   | 9     | 9.9  | 17    | 27.1 | 13    | 12.7 | 9     | 7.6  |
| 50   | 67805  | 298  | -64 | .   | 10    | 6.2  | 12    | 17.4 | 13    | 7.1  | 8     | 4.7  |
| 30   | 78297  | 53   | -56 | .   | 17    | 4.4  | 23    | 28.5 | 11    | 5.3  | 9     | 9.5  |
| 20   | 86995  | 114  | -50 | .   | 8     | 2.0  | 34    | 45.4 | 13    | 3.5  | 14    | 5.3  |
| 10   | 101993 | 108  | -40 | .   | 17    | 4.1  | 48    | 39.3 | 0     | 0.0  | 0     | 0.0  |

OCT Latitude= 2.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 26         | 23         | 0                 | 0.0             | 5                  | 2.2              | 7                 | 14.5            | 7                  | 16.1             | 11                | 53.8            | 11                 | 10.6             | 0                 | 0.0             | 3                  | 0.6              |
| 1000        | 331         | -33          | 25         | 22         | 3                 | 0.4             | 7                  | 4.7              | 9                 | 20.5            | 8                  | 19.9             | 12                | 42.4            | 11                 | 10.1             | 3                 | 0.6             | 3                  | 0.3              |
| 850         | 4960        | 180          | 18         | 10         | 8                 | 10.9            | 9                  | 13.3             | 8                 | 11.7            | 7                  | 8.0              | 9                 | 10.1            | 10                 | 22.7             | 9                 | 15.1            | 6                  | 6.6              |
| 700         | 10328       | 446          | 9          | -0         | 8                 | 17.9            | 8                  | 16.6             | 7                 | 15.8            | 5                  | 5.2              | 5                 | 4.9             | 6                  | 8.3              | 8                 | 13.5            | 7                  | 16.1             |
| 500         | 19229       | 940          | -5         | -16        | 8                 | 8.8             | 10                 | 24.0             | 12                | 31.6            | 8                  | 11.6             | 9                 | 6.8             | 8                  | 4.7              | 9                 | 6.3             | 7                  | 4.9              |
| 400         | 24864       | 1290         | -16        | -29        | 9                 | 9.1             | 11                 | 18.3             | 13                | 33.1            | 11                 | 12.7             | 9                 | 6.8             | 8                  | 4.4              | 9                 | 8.4             | 7                  | 5.8              |
| 300         | 31780       | 1715         | -32        | -44        | 10                | 9.6             | 11                 | 13.2             | 15                | 24.6            | 11                 | 14.2             | 8                 | 5.5             | 9                  | 7.5              | 13                | 13.8            | 12                 | 10.6             |
| 250         | 35918       | 1919         | -42        | .          | 12                | 6.5             | 12                 | 13.7             | 17                | 19.7            | 13                 | 15.0             | 9                 | 8.0             | 13                 | 11.4             | 15                | 15.6            | 14                 | 9.6              |
| 200         | 40766       | 2104         | -54        | .          | 11                | 7.1             | 14                 | 12.5             | 17                | 22.5            | 15                 | 15.1             | 10                | 8.9             | 14                 | 13.7             | 17                | 11.7            | 10                 | 7.5              |
| 150         | 46647       | 2000         | -68        | .          | 10                | 6.2             | 13                 | 12.2             | 20                | 28.5            | 14                 | 14.0             | 10                | 8.6             | 12                 | 8.0              | 16                | 13.7            | 12                 | 7.6              |
| 100         | 54397       | 1314         | -76        | .          | 10                | 9.3             | 12                 | 16.1             | 17                | 30.2            | 13                 | 11.7             | 9                 | 7.6             | 10                 | 6.8              | 11                | 9.8             | 10                 | 7.6              |
| 70          | 61208       | 704          | -71        | .          | 8                 | 11.4            | 12                 | 16.6             | 18                | 25.9            | 12                 | 8.0              | 8                 | 3.9             | 8                  | 8.0              | 10                | 13.5            | 10                 | 12.0             |
| 50          | 67806       | 299          | -64        | .          | 10                | 6.6             | 16                 | 9.6              | 24                | 29.0            | 11                 | 6.0              | 11                | 8.1             | 11                 | 8.4              | 17                | 19.9            | 13                 | 11.6             |
| 30          | 78296       | 52           | -56        | .          | 15                | 3.4             | 23                 | 10.9             | 34                | 46.2            | 15                 | 4.0              | 14                | 5.8             | 18                 | 10.4             | 22                | 14.2            | 12                 | 4.7              |
| 20          | 86994       | 113          | -50        | .          | 6                 | 1.4             | 13                 | 1.0              | 24                | 19.7            | 2                  | 0.2              | 10                | 0.9             | 11                 | 4.6              | 15                | 15.2            | 11                 | 6.2              |
| 10          | 101995      | 110          | -40        | .          | 12                | 2.9             | 26                 | 2.2              | 48                | 39.6            | 4                  | 0.6              | 20                | 1.9             | 23                 | 9.3              | 30                | 30.6            | 22                 | 12.5             |

OCT Latitude= 2.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 26         | 23         | 4                 | 2.2             | 5                  | 7.0              | 5                 | 9.0             | 6                  | 10.6             | 9                 | 33.2            | 9                  | 28.0             | 3                 | 4.1             | 4                  | 4.1              |
| 1000        | 333         | -31          | 25         | 22         | 5                 | 5.7             | 7                  | 10.7             | 7                 | 12.4            | 7                  | 14.5             | 9                 | 27.1            | 10                 | 19.7             | 4                 | 4.4             | 6                  | 4.2              |
| 850         | 4959        | 179          | 18         | 10         | 9                 | 9.6             | 7                  | 12.5             | 8                 | 10.1            | 7                  | 8.9              | 7                 | 8.4             | 9                  | 16.9             | 9                 | 19.9            | 7                  | 12.0             |
| 700         | 10324       | 442          | 9          | -1         | 7                 | 15.1            | 7                  | 10.7             | 10                | 10.4            | 5                  | 4.2              | 5                 | 5.0             | 7                  | 8.0              | 9                 | 17.4            | 9                  | 26.9             |
| 500         | 19228       | 939          | -5         | -16        | 8                 | 10.7            | 9                  | 20.4             | 11                | 27.6            | 8                  | 9.8              | 8                 | 6.8             | 8                  | 7.5              | 9                 | 8.6             | 8                  | 8.0              |
| 400         | 24863       | 1289         | -16        | -29        | 9                 | 9.8             | 12                 | 16.8             | 12                | 28.2            | 10                 | 13.0             | 8                 | 7.3             | 8                  | 7.6              | 10                | 9.4             | 7                  | 6.6              |
| 300         | 31779       | 1714         | -32        | -44        | 11                | 9.9             | 14                 | 12.7             | 14                | 23.8            | 11                 | 12.5             | 8                 | 6.8             | 9                  | 9.1              | 12                | 15.0            | 9                  | 8.9              |
| 250         | 35917       | 1918         | -42        | .          | 12                | 8.8             | 15                 | 13.0             | 17                | 22.5            | 13                 | 12.7             | 10                | 7.5             | 12                 | 12.0             | 14                | 14.7            | 13                 | 8.0              |
| 200         | 40765       | 2103         | -54        | .          | 11                | 7.1             | 14                 | 14.8             | 17                | 24.1            | 14                 | 16.6             | 11                | 8.1             | 15                 | 12.0             | 16                | 10.1            | 11                 | 6.2              |
| 150         | 46645       | 1998         | -68        | .          | 10                | 6.8             | 14                 | 10.7             | 21                | 32.8            | 14                 | 14.8             | 10                | 8.1             | 12                 | 7.5              | 16                | 11.9            | 12                 | 6.6              |
| 100         | 54393       | 1310         | -76        | .          | 9                 | 7.8             | 12                 | 14.5             | 18                | 29.9            | 13                 | 14.8             | 9                 | 7.0             | 10                 | 8.3              | 10                | 9.6             | 11                 | 7.1              |
| 70          | 61203       | 699          | -71        | .          | 9                 | 8.1             | 12                 | 15.5             | 17                | 27.6            | 13                 | 6.8              | 7                 | 6.0             | 8                  | 7.6              | 11                | 13.7            | 9                  | 13.2             |
| 50          | 67803       | 296          | -64        | .          | 11                | 6.5             | 14                 | 6.3              | 24                | 30.7            | 11                 | 7.0              | 10                | 6.5             | 11                 | 9.6              | 17                | 19.9            | 10                 | 13.0             |
| 30          | 78295       | 51           | -56        | .          | 16                | 2.6             | 20                 | 8.6              | 33                | 49.5            | 17                 | 5.7              | 11                | 6.0             | 16                 | 9.4              | 23                | 14.5            | 13                 | 3.4              |
| 20          | 86996       | 115          | -50        | .          | 6                 | 0.9             | 14                 | 1.7              | 24                | 18.8            | 12                 | 1.2              | 8                 | 2.2             | 10                 | 6.2              | 15                | 13.3            | 12                 | 5.1              |
| 10          | 101992      | 107          | -40        | .          | 13                | 1.9             | 29                 | 3.5              | 49                | 37.7            | 24                 | 2.5              | 17                | 4.5             | 20                 | 12.5             | 31                | 26.7            | 24                 | 10.3             |

OCT Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 19         | 0                 | 0.0             | 3                  | 0.3              | 6                 | 9.0             | 6                  | 25.4             | 8                 | 41.2            | 9                  | 21.9             | 8                 | 0.6             | 2                  | 0.3              |
| 1000        | 322         | -42          | 29         | 21         | 0                 | 0.0             | 3                  | 1.1              | 8                 | 11.4            | 8                  | 29.5             | 10                | 38.5            | 10                 | 17.3             | 7                 | 1.3             | 3                  | 0.3              |
| 850         | 4960        | 180          | 19         | 14         | 3                 | 1.1             | 8                  | 6.2              | 8                 | 19.4            | 7                  | 14.2             | 10                | 24.5            | 13                 | 30.5             | 6                 | 2.6             | 5                  | 0.8              |
| 700         | 10335       | 453          | 9          | 3          | 7                 | 16.3            | 10                 | 28.2             | 9                 | 19.2            | 5                  | 6.0              | 5                 | 3.7             | 6                  | 5.8              | 7                 | 8.0             | 7                  | 10.9             |
| 500         | 19237       | 948          | -6         | -16        | 8                 | 7.6             | 10                 | 28.4             | 12                | 43.3            | 8                  | 9.8              | 9                 | 4.7             | 6                  | 2.1              | 8                 | 1.4             | 9                  | 1.7              |
| 400         | 24866       | 1292         | -16        | -29        | 8                 | 7.5             | 11                 | 20.0             | 14                | 43.1            | 11                 | 11.9             | 10                | 3.7             | 8                  | 3.2              | 9                 | 4.2             | 8                  | 5.5              |
| 300         | 31775       | 1710         | -32        | -44        | 10                | 9.1             | 10                 | 14.7             | 16                | 30.2            | 12                 | 14.0             | 8                 | 5.3             | 7                  | 5.7              | 11                | 11.6            | 11                 | 8.9              |
| 250         | 35917       | 1918         | -42        | .          | 12                | 7.8             | 13                 | 11.4             | 17                | 23.8            | 15                 | 17.8             | 11                | 6.0             | 11                 | 8.0              | 14                | 15.6            | 12                 | 8.6              |
| 200         | 40766       | 2104         | -54        | .          | 11                | 4.5             | 15                 | 12.0             | 17                | 24.8            | 16                 | 16.5             | 13                | 9.6             | 15                 | 11.9             | 15                | 11.4            | 12                 | 8.4              |
| 150         | 46650       | 2003         | -68        | .          | 12                | 6.0             | 14                 | 14.8             | 21                | 28.1            | 17                 | 16.1             | 12                | 7.3             | 12                 | 8.9              | 14                | 11.2            | 10                 | 7.0              |
| 100         | 54397       | 1314         | -76        | .          | 10                | 9.9             | 13                 | 16.6             | 17                | 35.7            | 15                 | 13.3             | 9                 | 5.5             | 10                 | 5.5              | 10                | 4.5             | 10                 | 8.0              |
| 70          | 61208       | 704          | -71        | .          | 8                 | 8.3             | 12                 | 20.4             | 17                | 39.7            | 11                 | 9.4              | 8                 | 4.4             | 8                  | 4.5              | 10                | 5.5             | 8                  | 6.6              |
| 50          | 67809       | 302          | -64        | .          | 9                 | 7.6             | 15                 | 14.7             | 23                | 34.4            | 12                 | 8.3              | 10                | 9.3             | 10                 | 7.0              | 12                | 10.6            | 13                 | 7.5              |
| 30          | 78312       | 68           | -56        | .          | 14                | 5.2             | 21                 | 11.9             | 33                | 47.0            | 15                 | 6.2              | 16                | 7.3             | 17                 | 8.9              | 19                | 9.1             | 12                 | 4.0              |
| 20          | 87013       | 132          | -50        | .          | 8                 | 2.2             | 10                 | 4.6              | 20                | 20.4            | 9                  | 1.0              | 10                | 1.7             | 9                  | 3.0              | 14                | 13.0            | 10                 | 3.5              |
| 10          | 102011      | 126          | -40        | .          | 16                | 4.5             | 21                 | 9.3              | 41                | 40.9            | 18                 | 2.2              | 20                | 3.5             | 19                 | 6.1              | 28                | 26.1            | 21                 | 7.0              |

OCT Latitude= 5.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 20         | 0                 | 0.0             | 5                  | 0.6              | 7                 | 19.0            | 8                  | 28.0             | 10                | 45.4            | 10                 | 6.7              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 319         | -45          | 27         | 21         | 5                 | 0.1             | 7                  | 1.9              | 10                | 21.7            | 10                 | 30.0             | 12                | 35.7            | 12                 | 8.9              | 6                 | 0.9             | 0                  | 0.0              |
| 850         | 4960        | 180          | 18         | 12         | 6                 | 8.0             | 10                 | 22.3             | 8                 | 10.7            | 5                  | 4.2              | 7                 | 9.6             | 13                 | 27.6             | 11                | 11.6            | 6                  | 4.9              |
| 700         | 10329       | 447          | 9          | 1          | 9                 | 23.0            | 10                 | 26.1             | 9                 | 12.4            | 6                  | 4.0              | 6                 | 1.7             | 6                  | 4.4              | 9                 | 9.9             | 8                  | 16.6             |
| 500         | 19233       | 944          | -5         | -17        | 8                 | 9.8             | 10                 | 28.7             | 12                | 37.0            | 8                  | 8.6              | 7                 | 3.4             | 8                  | 4.0              | 8                 | 4.4             | 7                  | 3.2              |
| 400         | 24868       | 1294         | -16        | -29        | 9                 | 6.8             | 12                 | 23.6             | 14                | 36.7            | 9                  | 12.9             | 8                 | 4.9             | 9                  | 2.9              | 9                 | 7.3             | 8                  | 4.2              |
| 300         | 31782       | 1717         | -32        | -44        | 10                | 9.3             | 12                 | 15.6             | 16                | 27.7            | 12                 | 13.3             | 7                 | 4.4             | 8                  | 6.6              | 11                | 12.7            | 10                 | 9.1              |
| 250         | 35921       | 1922         | -42        | .          | 12                | 7.1             | 13                 | 13.7             | 17                | 24.8            | 14                 | 17.3             | 10                | 5.7             | 12                 | 8.8              | 14                | 13.8            | 12                 | 7.6              |
| 200         | 40768       | 2106         | -54        | .          | 10                | 5.0             | 15                 | 15.0             | 18                | 25.8            | 16                 | 17.3             | 11                | 9.8             | 16                 | 10.4             | 14                | 10.9            | 12                 | 5.3              |
| 150         | 46649       | 2002         | -68        | .          | 11                | 7.6             | 14                 | 13.0             | 22                | 31.8            | 16                 | 16.6             | 12                | 7.5             | 12                 | 6.3              | 16                | 10.9            | 10                 | 5.7              |
| 100         | 54397       | 1314         | -76        | .          | 10                | 8.8             | 14                 | 14.8             | 18                | 37.7            | 13                 | 15.5             | 9                 | 4.4             | 10                 | 4.2              | 9                 | 6.6             | 10                 | 7.1              |
| 70          | 61208       | 704          | -71        | .          | 9                 | 8.9             | 12                 | 19.1             | 17                | 41.3            | 11                 | 10.1             | 9                 | 4.2             | 8                  | 4.4              | 10                | 5.7             | 10                 | 5.7              |
| 50          | 67806       | 299          | -64        | .          | 9                 | 6.5             | 14                 | 12.7             | 23                | 37.5            | 11                 | 8.9              | 10                | 7.3             | 12                 | 7.5              | 12                | 9.9             | 11                 | 8.9              |
| 30          | 78307       | 63           | -56        | .          | 12                | 4.7             | 20                 | 9.3              | 32                | 52.1            | 16                 | 6.5              | 16                | 6.3             | 18                 | 8.9              | 22                | 9.1             | 12                 | 2.7              |
| 20          | 87009       | 128          | -50        | .          | 6                 | 1.0             | 11                 | 3.3              | 20                | 22.3            | 9                  | 2.0              | 12                | 1.7             | 11                 | 4.0              | 13                | 11.7            | 12                 | 3.3              |
| 10          | 102007      | 122          | -40        | .          | 12                | 2.2             | 22                 | 6.7              | 40                | 44.8            | 18                 | 4.1              | 24                | 3.5             | 23                 | 8.0              | 27                | 23.5            | 25                 | 6.7              |

OCT Latitude= 5.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 24  | 4     | 0.6  | 6     | 17.0 | 5     | 9.9  | 10    | 37.7 |
| 1000 | 330    | -34  | 24  | 22  | 4     | 1.7  | 7     | 19.7 | 7     | 10.4 | 10    | 32.1 |
| 850  | 4957   | 177  | 18  | 10  | 8     | 14.7 | 9     | 10.9 | 5     | 2.1  | 7     | 5.0  |
| 700  | 10324  | 442  | 9   | -1  | 10    | 23.6 | 10    | 12.2 | 6     | 4.4  | 6     | 2.4  |
| 500  | 19231  | 942  | -5  | -17 | 9     | 8.3  | 10    | 31.5 | 8     | 8.4  | 7     | 4.2  |
| 400  | 24868  | 1294 | -16 | -30 | 9     | 8.3  | 12    | 34.4 | 10    | 10.9 | 7     | 5.0  |
| 300  | 31785  | 1720 | -32 | -45 | 11    | 8.8  | 15    | 28.1 | 12    | 12.9 | 8     | 5.2  |
| 250  | 35924  | 1925 | -42 | .   | 11    | 7.1  | 17    | 28.4 | 14    | 14.0 | 9     | 6.5  |
| 200  | 40771  | 2109 | -54 | .   | 11    | 4.7  | 18    | 31.0 | 14    | 15.5 | 12    | 8.6  |
| 150  | 46651  | 2004 | -68 | .   | 12    | 6.0  | 22    | 34.4 | 16    | 18.4 | 12    | 7.8  |
| 100  | 54400  | 1317 | -76 | .   | 10    | 6.6  | 19    | 37.7 | 14    | 17.6 | 8     | 6.5  |
| 70   | 61209  | 705  | -71 | .   | 8     | 7.6  | 17    | 42.4 | 11    | 11.7 | 8     | 3.4  |
| 50   | 67807  | 300  | -64 | .   | 9     | 8.3  | 23    | 39.7 | 11    | 9.1  | 9     | 6.2  |
| 30   | 78304  | 60   | -56 | .   | 12    | 3.2  | 32    | 54.7 | 16    | 8.0  | 12    | 4.5  |
| 20   | 87006  | 125  | -50 | .   | 4     | 0.2  | 20    | 22.5 | 9     | 4.0  | 8     | 1.8  |
| 10   | 102009 | 124  | -40 | .   | 9     | 0.6  | 40    | 45.1 | 19    | 8.0  | 17    | 3.8  |

OCT Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 17  | 3     | 0.3  | 5     | 8.0  | 6     | 25.8 | 7     | 33.5 |
| 1000 | 339    | -25  | 29  | 21  | 5     | 0.3  | 6     | 10.7 | 7     | 23.8 | 8     | 33.6 |
| 850  | 4953   | 173  | 20  | 15  | 3     | 0.4  | 8     | 15.0 | 8     | 19.6 | 10    | 25.1 |
| 700  | 10339  | 457  | 9   | 4   | 8     | 19.9 | 9     | 15.5 | 6     | 3.7  | 6     | 1.9  |
| 500  | 19251  | 962  | -6  | -17 | 8     | 8.0  | 13    | 50.4 | 9     | 6.0  | 6     | 2.2  |
| 400  | 24875  | 1301 | -16 | -28 | 7     | 5.5  | 15    | 50.6 | 11    | 10.7 | 7     | 2.6  |
| 300  | 31774  | 1709 | -32 | -43 | 8     | 8.4  | 16    | 37.5 | 14    | 13.7 | 7     | 5.7  |
| 250  | 35923  | 1924 | -42 | .   | 10    | 7.8  | 17    | 26.7 | 16    | 18.3 | 11    | 8.0  |
| 200  | 40774  | 2112 | -54 | .   | 11    | 4.7  | 18    | 31.8 | 16    | 16.5 | 12    | 12.2 |
| 150  | 46659  | 2012 | -68 | .   | 10    | 6.5  | 21    | 32.8 | 17    | 17.4 | 13    | 8.9  |
| 100  | 54405  | 1322 | -76 | .   | 9     | 8.0  | 18    | 40.0 | 15    | 14.3 | 9     | 4.2  |
| 70   | 61211  | 707  | -71 | .   | 10    | 4.5  | 18    | 52.1 | 13    | 11.4 | 8     | 2.9  |
| 50   | 67815  | 308  | -64 | .   | 7     | 3.2  | 22    | 50.6 | 14    | 11.2 | 10    | 5.8  |
| 30   | 78318  | 74   | -55 | .   | 13    | 2.2  | 31    | 55.0 | 19    | 10.2 | 14    | 5.7  |
| 20   | 87020  | 139  | -50 | .   | 6     | 0.5  | 16    | 23.5 | 13    | 5.1  | 4     | 0.5  |
| 10   | 102033 | 148  | -40 | .   | 12    | 1.2  | 33    | 47.0 | 25    | 10.3 | 9     | 1.2  |

OCT Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 18         | 0                 | 0.0             | 6                  | 1.6              | 7                 | 15.1            | 7                  | 32.9             | 8                 | 34.1            | 10                 | 16.1             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 330         | -34          | 29         | 21         | 3                 | 0.3             | 7                  | 1.7              | 8                 | 17.9            | 8                  | 29.2             | 9                 | 32.3            | 12                 | 16.8             | 9                 | 1.3             | 0                  | 0.0              |
| 850         | 4958        | 178          | 19         | 14         | 5                 | 3.1             | 9                  | 10.9             | 9                 | 21.4            | 7                  | 11.7             | 9                 | 11.9            | 14                 | 32.1             | 11                | 5.3             | 4                  | 2.4              |
| 700         | 10337       | 455          | 9          | 3          | 10                | 24.0            | 11                 | 26.9             | 10                | 13.7            | 6                  | 2.1              | 7                 | 1.1             | 8                  | 2.2              | 10                | 9.3             | 9                  | 20.4             |
| 500         | 19244       | 955          | -5         | -18        | 8                 | 7.8             | 12                 | 27.9             | 13                | 45.2            | 9                  | 7.0              | 7                 | 1.7             | 7                  | 1.6              | 5                 | 4.0             | 6                  | 3.9              |
| 400         | 24874       | 1300         | -16        | -30        | 9                 | 7.0             | 13                 | 24.6             | 15                | 45.0            | 11                 | 9.1              | 7                 | 3.1             | 8                  | 3.2              | 8                 | 2.6             | 7                  | 4.2              |
| 300         | 31778       | 1713         | -32        | -44        | 10                | 8.3             | 14                 | 16.5             | 16                | 38.7            | 13                 | 13.2             | 6                 | 3.7             | 10                 | 4.0              | 10                | 8.4             | 9                  | 6.2              |
| 250         | 35925       | 1926         | -42        | .          | 10                | 8.1             | 14                 | 16.3             | 18                | 28.4            | 15                 | 16.5             | 9                 | 6.8             | 12                 | 6.3              | 12                | 10.6            | 11                 | 6.5              |
| 200         | 40777       | 2115         | -54        | .          | 10                | 5.0             | 15                 | 13.8             | 19                | 30.3            | 16                 | 16.9             | 13                | 10.1            | 15                 | 9.4              | 12                | 8.8             | 13                 | 4.7              |
| 150         | 46661       | 2014         | -68        | .          | 11                | 5.8             | 13                 | 13.0             | 22                | 33.4            | 18                 | 16.1             | 12                | 8.8             | 12                 | 8.1              | 13                | 8.8             | 11                 | 5.5              |
| 100         | 54406       | 1323         | -76        | .          | 11                | 5.5             | 13                 | 15.1             | 18                | 43.9            | 16                 | 15.1             | 8                 | 5.3             | 9                  | 2.9              | 10                | 3.2             | 9                  | 8.0              |
| 70          | 61214       | 710          | -71        | .          | 9                 | 5.8             | 13                 | 17.1             | 19                | 52.4            | 12                 | 12.2             | 8                 | 2.9             | 11                 | 2.9              | 8                 | 2.7             | 10                 | 3.5              |
| 50          | 67817       | 310          | -64        | .          | 8                 | 3.5             | 14                 | 13.7             | 23                | 53.2            | 14                 | 10.7             | 11                | 5.0             | 13                 | 4.7              | 9                 | 4.2             | 9                  | 3.9              |
| 30          | 78323       | 79           | -55        | .          | 9                 | 2.9             | 20                 | 8.3              | 32                | 56.2            | 20                 | 9.3              | 13                | 6.0             | 15                 | 7.3              | 16                | 6.5             | 15                 | 3.1              |
| 20          | 87025       | 144          | -50        | .          | 5                 | 0.9             | 13                 | 3.5              | 17                | 23.3            | 13                 | 4.9              | 3                 | 1.0             | 9                  | 3.8              | 12                | 8.5             | 10                 | 3.5              |
| 10          | 102036      | 151          | -40        | .          | 11                | 1.9             | 27                 | 7.0              | 35                | 46.7            | 25                 | 9.9              | 7                 | 2.2             | 17                 | 7.7              | 24                | 17.0            | 19                 | 7.0              |

OCT Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 4                 | 1.6             | 8                  | 12.5             | 9                 | 22.5            | 9                  | 15.1             | 12                | 34.1            | 14                 | 13.5             | 2                 | 0.3             | 0                  | 0.0              |
| 1000        | 324         | -40          | 27         | 22         | 6                 | 0.4             | 9                  | 10.6             | 10                | 23.6            | 10                 | 17.1             | 12                | 32.1            | 16                 | 15.1             | 8                 | 0.3             | 0                  | 0.0              |
| 850         | 4957        | 177          | 18         | 12         | 8                 | 10.2            | 11                 | 27.4             | 9                 | 14.0            | 4                  | 1.9              | 6                 | 3.4             | 13                 | 22.2             | 13                | 15.3            | 6                  | 4.2              |
| 700         | 10328       | 446          | 9          | -0         | 11                | 24.6            | 10                 | 24.1             | 11                | 14.0            | 7                  | 3.5              | 8                 | 1.7             | 8                  | 2.1              | 10                | 7.3             | 11                 | 21.5             |
| 500         | 19239       | 950          | -5         | -18        | 8                 | 8.0             | 12                 | 29.7             | 13                | 40.8            | 8                  | 7.3              | 5                 | 2.7             | 6                  | 2.6              | 9                 | 3.4             | 7                  | 4.0              |
| 400         | 24874       | 1300         | -16        | -31        | 9                 | 5.7             | 13                 | 26.6             | 15                | 41.1            | 10                 | 10.6             | 7                 | 4.0             | 8                  | 3.1              | 7                 | 4.2             | 8                  | 3.7              |
| 300         | 31786       | 1721         | -32        | -45        | 8                 | 9.4             | 13                 | 19.1             | 16                | 34.3            | 12                 | 14.5             | 8                 | 3.9             | 10                 | 5.5              | 10                | 6.8             | 9                  | 5.3              |
| 250         | 35929       | 1930         | -41        | .          | 11                | 7.0             | 15                 | 13.8             | 18                | 33.6            | 14                 | 14.2             | 9                 | 6.5             | 13                 | 7.8              | 12                | 10.1            | 10                 | 6.3              |
| 200         | 40780       | 2118         | -54        | .          | 11                | 5.2             | 18                 | 11.4             | 20                | 34.1            | 15                 | 17.8             | 11                | 8.1             | 16                 | 10.9             | 14                | 8.1             | 14                 | 3.9              |
| 150         | 46662       | 2015         | -68        | .          | 11                | 5.2             | 14                 | 11.6             | 24                | 35.1            | 17                 | 18.6             | 12                | 7.8             | 11                 | 8.0              | 13                | 8.4             | 11                 | 4.9              |
| 100         | 54410       | 1327         | -76        | .          | 10                | 5.5             | 14                 | 12.4             | 19                | 46.0            | 16                 | 16.3             | 8                 | 6.6             | 9                  | 3.5              | 8                 | 4.2             | 10                 | 4.7              |
| 70          | 61220       | 716          | -71        | .          | 9                 | 5.8             | 13                 | 15.6             | 19                | 55.5            | 13                 | 11.9             | 8                 | 2.9             | 11                 | 2.7              | 12                | 1.7             | 6                  | 3.1              |
| 50          | 67817       | 310          | -64        | .          | 8                 | 5.3             | 14                 | 13.7             | 22                | 54.9            | 13                 | 9.9              | 11                | 4.7             | 13                 | 4.5              | 11                | 3.1             | 8                  | 3.1              |
| 30          | 78321       | 77           | -55        | .          | 12                | 2.2             | 18                 | 8.0              | 32                | 59.1            | 19                 | 7.3              | 11                | 3.7             | 15                 | 7.6              | 17                | 7.8             | 12                 | 3.9              |
| 20          | 87018       | 137          | -50        | .          | 3                 | 0.5             | 13                 | 2.6              | 17                | 23.8            | 12                 | 5.5              | 4                 | 0.7             | 10                 | 3.3              | 11                | 9.3             | 8                  | 3.5              |
| 10          | 102035      | 150          | -40        | .          | 7                 | 1.2             | 26                 | 5.4              | 35                | 47.7            | 23                 | 11.2             | 9                 | 1.6             | 21                 | 6.7              | 22                | 18.7            | 17                 | 7.0              |

NOV Latitude= 0.00 Longitude= 45.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 0                 | 0.0             | 9                  | 8.3              | 8                 | 39.6            | 7                  | 28.9             | 7                 | 18.9            | 6                  | 3.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 316         | -48          | 26         | 23         | 4                 | 0.4             | 11                 | 17.8             | 11                | 48.6            | 8                  | 18.9             | 9                 | 10.8            | 7                  | 1.8              | 4                 | 0.4             | 0                  | 0.0              |
| 850         | 4955        | 175          | 18         | 11         | 7                 | 8.8             | 10                 | 30.4             | 10                | 27.9            | 6                  | 10.8             | 6                 | 4.1             | 5                  | 4.3              | 5                 | 5.8             | 5                  | 6.3              |
| 700         | 10322       | 440          | 9          | -1         | 9                 | 15.3            | 9                  | 19.8             | 9                 | 26.9            | 7                  | 12.8             | 5                 | 5.3             | 5                  | 5.4              | 4                 | 4.9             | 7                  | 7.8              |
| 500         | 19222       | 934          | -5         | -16        | 8                 | 5.3             | 11                 | 21.3             | 12                | 41.3            | 11                 | 15.9             | 6                 | 5.9             | 6                  | 3.4              | 7                 | 2.8             | 5                  | 2.9              |
| 400         | 24859       | 1285         | -16        | -29        | 9                 | 8.6             | 12                 | 16.3             | 14                | 29.4            | 10                 | 18.8             | 8                 | 9.8             | 9                  | 4.8              | 7                 | 4.4             | 9                  | 6.4              |
| 300         | 31775       | 1710         | -32        | -43        | 11                | 9.3             | 11                 | 12.8             | 14                | 17.3            | 14                 | 8.9              | 10                | 7.8             | 13                 | 10.4             | 13                | 15.6            | 13                 | 16.9             |
| 250         | 35914       | 1915         | -42        | .          | 12                | 12.1            | 13                 | 10.1             | 15                | 11.8            | 15                 | 6.9              | 12                | 7.3             | 15                 | 14.8             | 17                | 20.6            | 17                 | 15.6             |
| 200         | 40763       | 2101         | -54        | .          | 14                | 10.1            | 13                 | 9.3              | 15                | 11.3            | 12                 | 4.6              | 11                | 6.9             | 17                 | 13.1             | 21                | 25.0            | 17                 | 18.6             |
| 150         | 46648       | 2001         | -68        | .          | 16                | 12.6            | 14                 | 10.9             | 14                | 9.3             | 9                  | 2.8              | 9                 | 3.8             | 17                 | 12.3             | 20                | 27.3            | 20                 | 20.1             |
| 100         | 54384       | 1301         | -77        | .          | 10                | 9.3             | 13                 | 8.9              | 14                | 15.8            | 12                 | 8.4              | 10                | 5.4             | 13                 | 12.1             | 17                | 23.1            | 14                 | 17.6             |
| 70          | 61126       | 622          | -73        | .          | 9                 | 5.9             | 9                  | 8.3              | 14                | 15.8            | 12                 | 6.9              | 11                | 6.1             | 14                 | 16.9             | 16                | 23.4            | 13                 | 12.3             |
| 50          | 67660       | 153          | -65        | .          | 10                | 4.8             | 15                 | 7.4              | 22                | 17.8            | 14                 | 7.6              | 11                | 6.1             | 14                 | 16.9             | 20                | 27.9            | 17                 | 10.8             |
| 30          | 78098       | -146         | -56        | .          | 21                | 2.3             | 27                 | 7.4              | 33                | 41.1            | 19                 | 3.9              | 15                | 5.3             | 21                 | 13.1             | 29                | 21.1            | 24                 | 5.1              |
| 20          | 86788       | -93          | -50        | .          | 5                 | 0.7             | 12                 | 0.6              | 22                | 16.1            | 10                 | 2.1              | 7                 | 0.9             | 12                 | 3.7              | 17                | 21.1            | 17                 | 4.1              |
| 10          | 101754      | -131         | -39        | .          | 10                | 1.6             | 24                 | 1.3              | 44                | 32.3            | 20                 | 4.3              | 14                | 1.9             | 25                 | 7.6              | 35                | 42.3            | 35                 | 8.3              |

NOV Latitude= 0.00 Longitude= 47.50

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 4                 | 8.3             | 6                  | 23.9             | 6                 | 23.3            | 5                  | 16.3             | 5                 | 11.6            | 5                  | 8.6              | 4                 | 4.3             | 4                  | 2.3              |
| 1000        | 322         | -42          | 25         | 23         | 6                 | 7.8             | 10                 | 35.3             | 8                 | 30.3            | 6                  | 10.4             | 6                 | 5.9             | 5                  | 4.9              | 5                 | 2.3             | 4                  | 2.1              |
| 850         | 4954        | 174          | 18         | 11         | 7                 | 10.4            | 9                  | 19.6             | 9                 | 25.8            | 6                  | 7.3              | 5                 | 5.4             | 5                  | 8.3              | 6                 | 10.1            | 7                  | 11.3             |
| 700         | 10319       | 437          | 9          | -1         | 8                 | 12.8            | 8                  | 16.8             | 9                 | 19.9            | 7                  | 9.6              | 6                 | 6.6             | 7                  | 7.9              | 7                 | 9.4             | 8                  | 14.4             |
| 500         | 19222       | 933          | -5         | -16        | 8                 | 6.4             | 11                 | 21.8             | 12                | 38.3            | 10                 | 15.1             | 8                 | 6.1             | 8                  | 3.6              | 7                 | 3.4             | 7                  | 4.1              |
| 400         | 24858       | 1284         | -16        | -29        | 10                | 8.1             | 11                 | 16.9             | 13                | 28.8            | 10                 | 16.4             | 9                 | 13.1            | 8                  | 5.6              | 7                 | 4.3             | 9                  | 5.9              |
| 300         | 31775       | 1710         | -32        | -43        | 11                | 10.6            | 12                 | 14.1             | 14                | 15.1            | 13                 | 10.8             | 10                | 9.3             | 12                 | 10.9             | 13                | 14.3            | 12                 | 13.9             |
| 250         | 35913       | 1914         | -42        | .          | 13                | 9.6             | 13                 | 13.6             | 15                | 11.1            | 16                 | 7.3              | 14                | 7.8             | 15                 | 15.3             | 17                | 17.8            | 16                 | 16.6             |
| 200         | 40762       | 2100         | -54        | .          | 15                | 8.1             | 14                 | 12.5             | 17                | 12.5            | 12                 | 6.3              | 11                | 6.6             | 17                 | 15.1             | 21                | 22.8            | 19                 | 15.8             |
| 150         | 46645       | 1998         | -68        | .          | 15                | 11.1            | 15                 | 12.5             | 15                | 11.3            | 10                 | 3.6              | 11                | 3.8             | 17                 | 14.8             | 21                | 24.1            | 20                 | 18.1             |
| 100         | 54380       | 1297         | -77        | .          | 9                 | 9.1             | 11                 | 10.1             | 17                | 14.6            | 12                 | 7.3              | 10                | 5.1             | 13                 | 16.1             | 17                | 22.1            | 14                 | 14.9             |
| 70          | 61126       | 622          | -73        | .          | 8                 | 4.9             | 8                  | 7.3              | 14                | 16.4            | 11                 | 8.8              | 8                 | 7.3             | 11                 | 18.6             | 16                | 23.6            | 12                 | 12.3             |
| 50          | 67663       | 156          | -65        | .          | 11                | 5.1             | 13                 | 6.3              | 22                | 17.8            | 13                 | 8.1              | 11                | 5.8             | 14                 | 16.3             | 19                | 28.3            | 17                 | 11.8             |
| 30          | 78101       | -143         | -56        | .          | 15                | 3.9             | 23                 | 10.1             | 33                | 38.9            | 16                 | 6.4              | 15                | 4.9             | 19                 | 11.3             | 29                | 19.9            | 23                 | 3.8              |
| 20          | 86791       | -90          | -50        | .          | 9                 | 1.4             | 8                  | 0.7              | 21                | 16.9            | 9                  | 2.1              | 6                 | 1.1             | 12                 | 5.4              | 18                | 18.4            | 16                 | 3.2              |
| 10          | 101749      | -136         | -39        | .          | 19                | 2.9             | 15                 | 1.6              | 43                | 33.9            | 18                 | 4.3              | 13                | 2.3             | 25                 | 10.9             | 36                | 36.9            | 32                 | 6.6              |

NOV Latitude= 0.00 Longitude= 50.00

| IVL  | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |      | S     |      | SW    |      | W     |      | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 23  | 5     | 9.3  | 6     | 17.9 | 5     | 13.3 | 4     | 9.9  | 5     | 6.6  | 6     | 13.3 | 6     | 14.9 | 6     | 11.3 |
| 1000 | 323    | -41  | 26  | 23  | 7     | 12.1 | 8     | 30.3 | 7     | 17.8 | 6     | 8.6  | 5     | 4.1  | 6     | 7.4  | 7     | 8.8  | 6     | 8.6  |
| 850  | 4952   | 172  | 17  | 12  | 6     | 9.3  | 8     | 14.3 | 9     | 21.4 | 6     | 6.6  | 6     | 4.3  | 7     | 11.1 | 9     | 20.4 | 9     | 11.3 |
| 700  | 10316  | 434  | 10  | -1  | 7     | 8.1  | 7     | 13.1 | 9     | 21.8 | 8     | 8.9  | 6     | 6.8  | 8     | 10.3 | 10    | 16.9 | 10    | 12.9 |
| 500  | 19221  | 932  | -5  | -15 | 8     | 6.9  | 11    | 22.1 | 12    | 34.9 | 9     | 15.9 | 9     | 6.6  | 10    | 4.9  | 8     | 3.8  | 8     | 2.9  |
| 400  | 24858  | 1284 | -16 | -29 | 8     | 8.4  | 11    | 17.8 | 13    | 26.9 | 10    | 17.3 | 9     | 12.1 | 7     | 6.3  | 6     | 4.8  | 7     | 5.3  |
| 300  | 31774  | 1709 | -32 | -43 | 11    | 11.3 | 13    | 12.6 | 13    | 17.4 | 12    | 12.3 | 10    | 8.9  | 10    | 11.4 | 13    | 11.6 | 11    | 13.3 |
| 250  | 35914  | 1915 | -41 | .   | 12    | 9.1  | 14    | 14.4 | 15    | 10.9 | 14    | 10.1 | 12    | 8.4  | 13    | 15.1 | 16    | 15.9 | 15    | 15.1 |
| 200  | 40764  | 2102 | -54 | .   | 12    | 7.8  | 14    | 13.8 | 16    | 15.9 | 12    | 7.3  | 13    | 7.8  | 17    | 13.1 | 20    | 22.3 | 19    | 11.4 |
| 150  | 46645  | 1998 | -68 | .   | 13    | 7.9  | 15    | 14.1 | 16    | 13.9 | 12    | 5.8  | 12    | 4.4  | 19    | 14.8 | 20    | 25.1 | 19    | 12.9 |
| 100  | 54380  | 1297 | -77 | .   | 8     | 6.6  | 12    | 8.3  | 16    | 18.1 | 10    | 8.3  | 10    | 6.9  | 14    | 14.9 | 16    | 24.3 | 14    | 11.8 |
| 70   | 61128  | 624  | -73 | .   | 9     | 5.8  | 9     | 7.6  | 15    | 15.6 | 12    | 8.3  | 8     | 7.3  | 11    | 18.6 | 16    | 24.4 | 12    | 11.4 |
| 50   | 67667  | 160  | -65 | .   | 11    | 8.4  | 14    | 4.4  | 22    | 17.9 | 13    | 7.4  | 10    | 6.8  | 14    | 13.3 | 17    | 30.1 | 15    | 11.1 |
| 30   | 78106  | -138 | -57 | .   | 15    | 4.1  | 22    | 10.8 | 32    | 37.8 | 15    | 7.6  | 13    | 5.8  | 18    | 8.4  | 28    | 20.9 | 15    | 4.1  |
| 20   | 86792  | -89  | -50 | .   | 12    | 1.2  | 10    | 1.9  | 22    | 16.2 | 8     | 3.2  | 9     | 1.2  | 12    | 5.4  | 18    | 17.9 | 12    | 2.1  |
| 10   | 101752 | -133 | -39 | .   | 24    | 2.6  | 20    | 3.9  | 44    | 32.6 | 17    | 6.6  | 19    | 2.6  | 25    | 10.9 | 36    | 35.9 | 23    | 4.3  |

NOV Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE    | NE   | E   | E    | SE    | SE   | S   | S    | SW    | SW   | W   | W    | NW    | NW   |
|------|--------|------|-----|-----|-----|------|-------|------|-----|------|-------|------|-----|------|-------|------|-----|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 20  | 2   | 0.3  | 9     | 4.3  | 8   | 43.9 | 6     | 35.6 | 6   | 14.6 | 7     | 0.9  | 0   | 0.0  | 0     | 0.0  |
| 1000 | 309    | -55  | 28  | 21  | 4   | 1.1  | 10    | 9.4  | 11  | 55.8 | 8     | 23.1 | 8   | 8.4  | 5     | 0.9  | 2   | 0.1  | 5     | 0.1  |
| 850  | 4955   | 175  | 18  | 12  | 7   | 5.1  | 12    | 46.6 | 12  | 32.1 | 7     | 5.9  | 5   | 3.1  | 5     | 2.4  | 5   | 1.9  | 4     | 1.6  |
| 700  | 10323  | 441  | 9   | 0   | 9   | 17.3 | 11    | 34.9 | 11  | 29.6 | 8     | 7.9  | 6   | 3.1  | 3     | 1.3  | 4   | 1.4  | 5     | 3.4  |
| 500  | 19223  | 934  | -5  | -17 | 6   | 6.8  | 11    | 23.8 | 13  | 42.9 | 10    | 13.8 | 8   | 6.6  | 6     | 1.4  | 5   | 1.4  | 5     | 2.1  |
| 400  | 24858  | 1284 | -16 | -30 | 9   | 8.6  | 12    | 20.4 | 13  | 30.3 | 11    | 18.3 | 9   | 8.9  | 9     | 5.8  | 7   | 3.1  | 9     | 3.6  |
| 300  | 31772  | 1707 | -32 | -44 | 9   | 12.9 | 13    | 12.6 | 13  | 19.1 | 11    | 11.3 | 11  | 6.6  | 12    | 10.9 | 13  | 14.1 | 14    | 11.4 |
| 250  | 35913  | 1914 | -42 | .   | 12  | 8.9  | 14    | 11.1 | 14  | 12.6 | 12    | 7.9  | 13  | 8.6  | 16    | 14.1 | 17  | 19.4 | 15    | 16.4 |
| 200  | 40761  | 2099 | -54 | .   | 15  | 6.4  | 15    | 9.1  | 16  | 12.9 | 12    | 7.8  | 12  | 6.1  | 17    | 14.8 | 19  | 23.9 | 17    | 18.1 |
| 150  | 46645  | 1998 | -68 | .   | 15  | 11.3 | 15    | 10.6 | 15  | 13.4 | 9     | 5.8  | 9   | 3.8  | 15    | 13.4 | 20  | 20.6 | 20    | 15.4 |
| 100  | 54381  | 1298 | -77 | .   | 11  | 9.3  | 12    | 11.3 | 18  | 18.6 | 11    | 6.9  | 11  | 4.9  | 11    | 12.9 | 16  | 19.3 | 15    | 15.4 |
| 70   | 61124  | 620  | -73 | .   | 8   | 7.4  | 10    | 8.9  | 15  | 17.1 | 11    | 10.6 | 9   | 7.4  | 10    | 16.9 | 16  | 20.1 | 12    | 9.9  |
| 50   | 67659  | 152  | -65 | .   | 10  | 5.6  | 13    | 8.3  | 22  | 17.4 | 15    | 7.3  | 11  | 6.8  | 16    | 16.3 | 18  | 27.3 | 18    | 10.4 |
| 30   | 78104  | -140 | -56 | .   | 18  | 2.4  | 24    | 11.9 | 33  | 35.9 | 16    | 6.1  | 13  | 7.1  | 27    | 10.8 | 30  | 21.3 | 23    | 3.9  |
| 20   | 86793  | -88  | -50 | .   | 7   | 0.4  | 10    | 1.1  | 22  | 14.2 | 8     | 2.2  | 5   | 1.2  | 14    | 4.1  | 19  | 23.6 | 17    | 2.4  |
| 10   | 101761 | -124 | -39 | .   | 15  | 0.9  | 21    | 2.3  | 45  | 28.6 | 16    | 4.6  | 10  | 2.6  | 28    | 8.3  | 38  | 47.3 | 35    | 4.9  |

NOV Latitude= 2.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 2                 | 0.3             | 9                  | 30.3             | 8                 | 35.9            | 6                  | 20.6             | 5                 | 7.3             | 4                  | 3.9              | 1                 | 0.3             | 3                  | 0.3              |
| 1000        | 322         | -42          | 26         | 22         | 4                 | 1.3             | 12                 | 35.6             | 10                | 42.6            | 7                  | 12.3             | 6                 | 4.1             | 5                  | 1.8              | 0                 | 0.0             | 4                  | 0.8              |
| 850         | 4953        | 173          | 18         | 11         | 10                | 17.1            | 12                 | 43.4             | 12                | 24.4            | 7                  | 3.6              | 3                 | 0.8             | 4                  | 0.6              | 4                 | 2.3             | 6                  | 6.6              |
| 700         | 10318       | 436          | 9          | -1         | 10                | 16.9            | 10                 | 24.4             | 10                | 29.4            | 8                  | 7.8              | 6                 | 3.6             | 6                  | 3.9              | 4                 | 3.1             | 8                  | 10.1             |
| 500         | 19223       | 934          | -5         | -16        | 7                 | 5.6             | 11                 | 25.3             | 13                | 41.4            | 9                  | 10.3             | 8                 | 7.9             | 6                  | 2.8              | 5                 | 2.4             | 7                  | 2.9              |
| 400         | 24860       | 1286         | -16        | -30        | 8                 | 8.4             | 12                 | 18.8             | 14                | 30.4            | 10                 | 18.1             | 10                | 10.1            | 9                  | 6.1              | 6                 | 2.6             | 7                  | 4.3              |
| 300         | 31777       | 1712         | -32        | -44        | 10                | 10.4            | 13                 | 14.6             | 12                | 17.9            | 11                 | 12.3             | 11                | 8.4             | 13                 | 11.8             | 13                | 9.6             | 12                 | 13.9             |
| 250         | 35915       | 1916         | -42        | .          | 12                | 7.9             | 14                 | 12.6             | 15                | 12.6            | 13                 | 8.1              | 13                | 10.1            | 16                 | 16.3             | 17                | 17.3            | 16                 | 14.4             |
| 200         | 40762       | 2100         | -54        | .          | 13                | 6.4             | 16                 | 10.8             | 17                | 14.9            | 13                 | 7.4              | 14                | 9.9             | 18                 | 16.4             | 21                | 18.6            | 19                 | 14.9             |
| 150         | 46643       | 1996         | -68        | .          | 13                | 8.6             | 16                 | 11.9             | 17                | 14.3            | 11                 | 8.3              | 11                | 4.3             | 17                 | 17.9             | 20                | 18.9            | 21                 | 14.9             |
| 100         | 54382       | 1299         | -77        | .          | 10                | 7.4             | 11                 | 10.1             | 18                | 19.3            | 11                 | 7.9              | 10                | 7.6             | 13                 | 12.6             | 15                | 19.4            | 15                 | 14.3             |
| 70          | 61127       | 623          | -73        | .          | 8                 | 7.1             | 10                 | 7.1              | 15                | 18.9            | 12                 | 9.8              | 8                 | 6.9             | 11                 | 17.6             | 14                | 21.1            | 12                 | 10.4             |
| 50          | 67663       | 156          | -65        | .          | 10                | 6.8             | 12                 | 7.3              | 22                | 17.8            | 13                 | 6.4              | 11                | 7.3             | 16                 | 16.6             | 18                | 26.8            | 16                 | 9.9              |
| 30          | 78104       | -140         | -56        | .          | 14                | 3.3             | 23                 | 11.4             | 32                | 36.9            | 15                 | 5.3              | 14                | 6.3             | 26                 | 11.3             | 30                | 20.6            | 24                 | 3.8              |
| 20          | 86793       | -88          | -50        | .          | 4                 | 0.4             | 14                 | 1.2              | 22                | 14.4            | 7                  | 2.6              | 4                 | 1.1             | 14                 | 6.6              | 19                | 20.6            | 17                 | 2.4              |
| 10          | 101757      | -128         | -39        | .          | 9                 | 0.9             | 27                 | 2.6              | 44                | 28.9            | 15                 | 5.3              | 9                 | 2.3             | 29                 | 13.3             | 39                | 41.3            | 35                 | 4.9              |

NOV Latitude= 2.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 7                 | 15.3            | 8                  | 30.3             | 6                 | 17.6            | 4                  | 9.3              | 4                 | 3.6             | 7                  | 4.6              | 5                 | 7.9             | 5                  | 8.3              |
| 1000        | 325         | -39          | 25         | 23         | 8                 | 12.9            | 10                 | 45.9             | 7                 | 17.9            | 5                  | 6.4              | 4                 | 2.3             | 7                  | 2.4              | 6                 | 4.4             | 6                  | 5.8              |
| 850         | 4950        | 170          | 17         | 11         | 8                 | 13.9            | 10                 | 32.1             | 11                | 28.1            | 7                  | 4.4              | 5                 | 1.3             | 3                  | 1.6              | 6                 | 3.9             | 8                  | 13.4             |
| 700         | 10314       | 432          | 9          | -2         | 8                 | 13.3            | 9                  | 16.3             | 10                | 26.4            | 7                  | 10.6             | 7                 | 4.9             | 8                  | 5.1              | 8                 | 8.3             | 10                 | 13.8             |
| 500         | 19223       | 934          | -5         | -16        | 7                 | 7.9             | 11                 | 23.9             | 12                | 35.9            | 9                  | 10.4             | 8                 | 7.8             | 7                  | 5.1              | 6                 | 4.3             | 6                  | 3.4              |
| 400         | 24859       | 1285         | -16        | -29        | 8                 | 7.3             | 12                 | 19.3             | 13                | 31.3            | 10                 | 15.4             | 10                | 10.9            | 6                  | 6.3              | 6                 | 4.6             | 6                  | 3.3              |
| 300         | 31776       | 1711         | -32        | -43        | 9                 | 8.1             | 12                 | 16.3             | 13                | 19.4            | 11                 | 11.4             | 10                | 9.6             | 11                 | 11.9             | 12                | 9.6             | 10                 | 12.9             |
| 250         | 35914       | 1915         | -42        | .          | 11                | 7.9             | 14                 | 14.9             | 14                | 14.4            | 13                 | 8.3              | 14                | 8.8             | 15                 | 16.1             | 16                | 16.3            | 14                 | 12.6             |
| 200         | 40761       | 2099         | -54        | .          | 14                | 6.4             | 15                 | 14.9             | 18                | 14.4            | 12                 | 8.3              | 16                | 10.6            | 17                 | 16.6             | 20                | 18.6            | 18                 | 9.4              |
| 150         | 46640       | 1993         | -68        | .          | 13                | 5.6             | 16                 | 13.3             | 18                | 18.1            | 13                 | 7.9              | 14                | 6.4             | 17                 | 18.1             | 20                | 18.9            | 19                 | 10.9             |
| 100         | 54377       | 1294         | -77        | .          | 8                 | 6.6             | 11                 | 8.4              | 18                | 21.3            | 11                 | 9.8              | 10                | 7.1             | 14                 | 15.4             | 16                | 20.9            | 14                 | 9.4              |
| 70          | 61125       | 621          | -73        | .          | 8                 | 5.9             | 9                  | 8.8              | 15                | 18.3            | 11                 | 8.6              | 8                 | 6.4             | 11                 | 17.1             | 13                | 21.9            | 12                 | 12.1             |
| 50          | 67663       | 156          | -65        | .          | 10                | 6.1             | 13                 | 5.1              | 21                | 19.3            | 12                 | 6.3              | 11                | 6.9             | 15                 | 14.9             | 17                | 27.4            | 12                 | 13.1             |
| 30          | 78103       | -141         | -56        | .          | 12                | 3.9             | 21                 | 10.8             | 31                | 37.9            | 13                 | 5.1              | 15                | 5.8             | 24                 | 9.4              | 29                | 21.6            | 17                 | 4.8              |
| 20          | 86793       | -88          | -50        | .          | 3                 | 0.7             | 15                 | 0.7              | 22                | 14.9            | 7                  | 2.7              | 7                 | 1.6             | 15                 | 7.4              | 19                | 19.4            | 19                 | 1.7              |
| 10          | 101751      | -134         | -39        | .          | 7                 | 1.6             | 30                 | 1.6              | 44                | 29.9            | 15                 | 5.6              | 13                | 3.3             | 30                 | 14.9             | 38                | 38.9            | 38                 | 3.6              |

NOV Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 18  | 3     | 0.6  | 8     | 48.9 | 4     | 7.3  | 3     | 2.3  |
| 1000 | 324    | -40  | 28  | 20  | 4     | 0.9  | 10    | 49.6 | 6     | 5.9  | 5     | 0.6  |
| 850  | 4958   | 178  | 18  | 13  | 8     | 1.4  | 12    | 54.4 | 6     | 4.8  | 7     | 0.3  |
| 700  | 10328  | 446  | 9   | 1   | 10    | 14.6 | 12    | 28.9 | 7     | 1.4  | 4     | 1.1  |
| 500  | 19230  | 941  | -5  | -18 | 6     | 3.8  | 12    | 46.8 | 7     | 1.4  | 3     | 0.3  |
| 400  | 24861  | 1287 | -16 | -31 | 10    | 7.6  | 12    | 23.8 | 9     | 3.8  | 3     | 0.3  |
| 300  | 31769  | 1704 | -32 | -45 | 10    | 9.6  | 14    | 52.8 | 9     | 3.8  | 4     | 1.3  |
| 250  | 35910  | 1911 | -42 | .   | 13    | 8.9  | 14    | 36.4 | 10    | 7.9  | 7     | 1.4  |
| 200  | 40757  | 2095 | -54 | .   | 14    | 9.3  | 15    | 21.6 | 11    | 10.8 | 13    | 11.1 |
| 150  | 46640  | 1993 | -68 | .   | 17    | 11.1 | 15    | 12.9 | 11    | 9.1  | 16    | 16.9 |
| 100  | 54378  | 1295 | -77 | .   | 10    | 9.8  | 15    | 15.8 | 12    | 10.3 | 18    | 19.6 |
| 70   | 61122  | 618  | -73 | .   | 8     | 6.1  | 17    | 14.3 | 10    | 5.8  | 18    | 17.9 |
| 50   | 67660  | 153  | -65 | .   | 11    | 7.6  | 18    | 9.4  | 10    | 6.8  | 15    | 17.3 |
| 30   | 78116  | -128 | -56 | .   | 14    | 2.8  | 10    | 11.1 | 11    | 13.1 | 14    | 14.6 |
| 20   | 86809  | -72  | -50 | .   | 8     | 1.1  | 14    | 23.3 | 15    | 4.1  | 17    | 20.9 |
| 10   | 101773 | -112 | -40 | .   | 17    | 2.3  | 32    | 35.1 | 25    | 11.6 | 31    | 16.3 |
|      |        |      |     |     |       |      | 19    | 13.1 | 12    | 5.7  | 20    | 19.9 |
|      |        |      |     |     |       |      | 38    | 26.3 | 12    | 3.6  | 39    | 39.9 |
|      |        |      |     |     |       |      |       |      |       |      |       |      |

NOV Latitude= 5.00 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 20  | 0     | 0.0  | 9     | 63.3 | 5     | 1.3  | 2     | 0.3  |
| 1000 | 321    | -43  | 27  | 21  | 3     | 0.8  | 12    | 62.3 | 6     | 1.1  | 0     | 0.0  |
| 850  | 4957   | 177  | 18  | 11  | 9     | 7.3  | 14    | 27.4 | 4     | 0.3  | 3     | 0.1  |
| 700  | 10320  | 438  | 9   | -1  | 11    | 18.8 | 11    | 32.8 | 7     | 1.8  | 4     | 1.3  |
| 500  | 19227  | 938  | -5  | -18 | 8     | 5.4  | 14    | 47.8 | 8     | 6.6  | 5     | 3.1  |
| 400  | 24863  | 1289 | -16 | -31 | 9     | 5.8  | 14    | 39.6 | 10    | 8.4  | 10    | 5.4  |
| 300  | 31776  | 1711 | -32 | -45 | 9     | 7.6  | 14    | 20.3 | 11    | 11.6 | 12    | 10.3 |
| 250  | 35913  | 1914 | -42 | .   | 10    | 7.4  | 15    | 12.5 | 12    | 12.1 | 16    | 17.3 |
| 200  | 40757  | 1995 | -54 | .   | 14    | 4.4  | 17    | 16.3 | 14    | 14.4 | 19    | 14.3 |
| 150  | 46637  | 1990 | -68 | .   | 15    | 7.3  | 18    | 8.6  | 16    | 15.1 | 19    | 17.6 |
| 100  | 54376  | 1293 | -77 | .   | 10    | 8.1  | 17    | 19.9 | 12    | 11.3 | 16    | 16.1 |
| 70   | 61123  | 619  | -73 | .   | 7     | 6.3  | 15    | 22.9 | 9     | 8.3  | 12    | 13.8 |
| 50   | 67660  | 153  | -65 | .   | 11    | 5.4  | 14    | 10.1 | 11    | 8.9  | 12    | 16.4 |
| 30   | 78112  | -132 | -56 | .   | 10    | 3.1  | 24    | 37.3 | 17    | 5.3  | 33    | 17.3 |
| 20   | 86801  | -80  | -50 | .   | 5     | 0.2  | 11    | 13.1 | 8     | 2.9  | 21    | 18.9 |
| 10   | 101764 | -121 | -40 | .   | 11    | 0.6  | 38    | 26.3 | 17    | 5.9  | 43    | 37.9 |
|      |        |      |     |     |       |      |       |      |       |      |       |      |

NOV Latitude= 5.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 27  | 24  | 6   | 3.6  | 10  | 59.6 | 7   | 25.0 | 5   | 6.6  | 4   | 2.6  | 3   | 0.9  | 2   | 0.9  | 6   |
| 1000 | 330    | -34  | 25  | 22  | 9   | 3.4  | 13  | 65.6 | 9   | 20.4 | 5   | 5.4  | 5   | 2.1  | 3   | 0.6  | 5   | 0.6  | 4   |
| 850  | 4953   | 173  | 17  | 10  | 10  | 12.5 | 14  | 51.9 | 14  | 30.1 | 7   | 1.9  | 9   | 0.1  | 2   | 0.1  | 5   | 0.3  | 7   |
| 700  | 10315  | 433  | 9   | -3  | 10  | 17.6 | 10  | 27.3 | 11  | 31.4 | 6   | 8.4  | 7   | 3.8  | 5   | 1.4  | 6   | 2.6  | 8   |
| 500  | 19226  | 937  | -5  | -17 | 8   | 5.1  | 11  | 26.8 | 14  | 42.9 | 9   | 8.6  | 8   | 5.9  | 5   | 4.3  | 8   | 2.9  | 7   |
| 400  | 24864  | 1290 | -16 | -29 | 8   | 4.6  | 12  | 23.4 | 14  | 39.6 | 9   | 12.5 | 10  | 7.1  | 9   | 5.4  | 6   | 2.4  | 5   |
| 300  | 31781  | 1716 | -32 | -43 | 8   | 8.1  | 13  | 17.6 | 14  | 22.4 | 10  | 10.3 | 12  | 12.9 | 14  | 10.3 | 10  | 8.8  | 10  |
| 250  | 35917  | 1918 | -42 | .   | 10  | 6.9  | 14  | 13.6 | 15  | 16.3 | 12  | 8.1  | 16  | 10.4 | 17  | 18.1 | 15  | 11.9 | 12  |
| 200  | 40761  | 2099 | -54 | .   | 10  | 5.6  | 17  | 11.6 | 17  | 18.1 | 13  | 8.3  | 15  | 14.9 | 19  | 17.1 | 18  | 14.4 | 17  |
| 150  | 46639  | 1992 | -68 | .   | 12  | 5.9  | 19  | 9.4  | 17  | 20.4 | 16  | 10.3 | 13  | 10.1 | 18  | 17.4 | 18  | 16.3 | 17  |
| 100  | 54378  | 1295 | -77 | .   | 8   | 5.4  | 11  | 9.8  | 19  | 20.6 | 12  | 14.6 | 10  | 7.3  | 13  | 14.9 | 15  | 16.9 | 12  |
| 70   | 61127  | 623  | -73 | .   | 8   | 6.6  | 9   | 11.3 | 16  | 21.6 | 10  | 11.9 | 8   | 6.8  | 11  | 15.8 | 13  | 15.1 | 11  |
| 50   | 67666  | 159  | -65 | .   | 10  | 5.3  | 12  | 11.6 | 20  | 22.9 | 10  | 5.9  | 12  | 7.1  | 14  | 17.1 | 17  | 21.1 | 9   |
| 30   | 78111  | -133 | -56 | .   | 10  | 1.9  | 21  | 12.6 | 31  | 39.8 | 11  | 5.9  | 15  | 4.1  | 24  | 11.3 | 31  | 20.1 | 15  |
| 20   | 86801  | -80  | -50 | .   | 3   | 0.4  | 9   | 0.9  | 19  | 14.7 | 8   | 3.1  | 7   | 2.9  | 13  | 6.9  | 21  | 19.2 | 11  |
| 10   | 101766 | -119 | -40 | .   | 7   | 0.9  | 19  | 1.9  | 38  | 29.6 | 16  | 6.3  | 15  | 5.9  | 27  | 13.9 | 42  | 38.6 | 23  |

NOV Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 26  | 14  | 3   | 0.9  | 6   | 13.9 | 7   | 46.6 | 6   | 26.3 | 5   | 9.3  | 4   | 0.6  | 0   | 0.0  | 0   |
| 1000 | 352    | -12  | 29  | 19  | 4   | 2.6  | 7   | 11.9 | 9   | 42.9 | 7   | 26.3 | 6   | 11.3 | 5   | 2.8  | 6   | 0.8  | 5   |
| 850  | 4961   | 181  | 19  | 13  | 5   | 1.6  | 10  | 17.9 | 12  | 48.9 | 8   | 20.4 | 6   | 7.6  | 7   | 1.8  | 5   | 0.6  | 4   |
| 700  | 10334  | 452  | 8   | 2   | 10  | 13.1 | 11  | 46.8 | 11  | 30.8 | 7   | 3.1  | 6   | 1.1  | 4   | 0.8  | 2   | 0.4  | 6   |
| 500  | 19245  | 956  | -6  | -20 | 6   | 3.4  | 12  | 22.6 | 15  | 54.9 | 12  | 9.8  | 8   | 2.3  | 7   | 2.1  | 7   | 2.3  | 4   |
| 400  | 24870  | 1296 | -16 | -31 | 9   | 4.8  | 14  | 19.9 | 17  | 42.9 | 11  | 14.3 | 10  | 5.6  | 9   | 5.1  | 9   | 3.9  | 8   |
| 300  | 31764  | 1699 | -32 | -46 | 12  | 5.8  | 14  | 20.4 | 16  | 24.8 | 12  | 11.9 | 10  | 7.8  | 13  | 8.9  | 13  | 10.9 | 13  |
| 250  | 35908  | 1909 | -42 | .   | 16  | 6.4  | 16  | 17.8 | 15  | 15.3 | 13  | 11.1 | 11  | 11.1 | 14  | 11.3 | 18  | 15.1 | 16  |
| 200  | 40754  | 2092 | -54 | .   | 17  | 9.6  | 19  | 9.9  | 16  | 16.6 | 12  | 11.1 | 14  | 9.4  | 15  | 13.3 | 19  | 18.3 | 21  |
| 150  | 46637  | 1990 | -68 | .   | 19  | 9.6  | 16  | 9.3  | 16  | 14.4 | 11  | 13.3 | 11  | 6.4  | 13  | 11.1 | 18  | 17.8 | 20  |
| 100  | 54374  | 1291 | -77 | .   | 13  | 10.8 | 12  | 10.8 | 17  | 20.8 | 14  | 13.3 | 10  | 7.1  | 10  | 10.1 | 15  | 16.6 | 13  |
| 70   | 61118  | 614  | -73 | .   | 9   | 6.1  | 12  | 10.8 | 15  | 30.8 | 10  | 11.6 | 10  | 9.3  | 12  | 11.8 | 13  | 11.1 | 11  |
| 50   | 67663  | 156  | -65 | .   | 10  | 5.9  | 15  | 10.1 | 19  | 32.3 | 10  | 10.9 | 11  | 7.1  | 16  | 11.8 | 17  | 16.1 | 13  |
| 30   | 78122  | -122 | -56 | .   | 12  | 2.8  | 24  | 13.9 | 30  | 39.1 | 14  | 10.6 | 14  | 5.1  | 24  | 7.8  | 26  | 15.4 | 20  |
| 20   | 86811  | -70  | -50 | .   | 6   | 1.1  | 11  | 3.9  | 15  | 11.4 | 10  | 3.7  | 6   | 2.6  | 11  | 6.9  | 18  | 16.6 | 13  |
| 10   | 101788 | -97  | -40 | .   | 12  | 2.3  | 22  | 7.9  | 30  | 22.9 | 20  | 7.6  | 12  | 5.3  | 21  | 13.9 | 36  | 33.3 | 26  |

NOV Latitude= 7.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 27         | 15         | 0                 | 0.0             | 8                  | 16.3             | 8                 | 62.6            | 7                  | 17.6             | 6                 | 2.9             | 0                  | 0.0              | 2                 | 0.3             | 0                  | 0.0              |
| 1000        | 346         | -18          | 28         | 19         | 5                 | 0.6             | 10                 | 16.8             | 10                | 59.1            | 9                  | 19.8             | 8                 | 2.9             | 1                  | 0.1              | 4                 | 0.3             | 0                  | 0.0              |
| 850         | 4964        | 184          | 18         | 12         | 8                 | 2.3             | 14                 | 35.1             | 13                | 52.6            | 7                  | 5.3              | 4                 | 1.8             | 6                  | 1.4              | 2                 | 0.3             | 7                  | 0.3              |
| 700         | 10332       | 450          | 9          | -1         | 12                | 14.4            | 12                 | 47.6             | 12                | 27.4            | 6                  | 4.4              | 8                 | 1.6             | 2                  | 0.1              | 4                 | 0.3             | 8                  | 3.3              |
| 500         | 19239       | 950          | -5         | -19        | 6                 | 3.1             | 13                 | 26.4             | 15                | 52.8            | 11                 | 7.4              | 9                 | 2.9             | 8                  | 2.1              | 6                 | 2.9             | 5                  | 1.3              |
| 400         | 24869       | 1295         | -16        | -32        | 7                 | 4.8             | 14                 | 23.1             | 17                | 40.6            | 11                 | 12.6             | 11                | 6.8             | 11                 | 4.9              | 10                | 2.4             | 8                  | 3.8              |
| 300         | 31769       | 1704         | -32        | -46        | 10                | 5.1             | 14                 | 20.1             | 15                | 23.6            | 11                 | 12.3             | 12                | 10.9            | 13                 | 10.8             | 14                | 9.9             | 12                 | 6.8              |
| 250         | 35910       | 1911         | -42        | .          | 12                | 6.3             | 15                 | 14.8             | 15                | 15.9            | 12                 | 12.5             | 14                | 12.1            | 15                 | 14.4             | 19                | 13.3            | 15                 | 10.3             |
| 200         | 40755       | 2093         | -54        | .          | 15                | 6.6             | 17                 | 10.9             | 17                | 15.1            | 13                 | 13.4             | 17                | 12.6            | 17                 | 16.9             | 19                | 13.4            | 20                 | 10.1             |
| 150         | 46636       | 1989         | -68        | .          | 15                | 9.9             | 17                 | 8.6              | 17                | 15.6            | 14                 | 14.3             | 14                | 8.8             | 17                 | 13.8             | 17                | 17.9            | 19                 | 10.6             |
| 100         | 54375       | 1292         | -77        | .          | 11                | 10.6            | 13                 | 8.4              | 18                | 20.4            | 12                 | 11.6             | 10                | 10.8            | 12                 | 9.8              | 14                | 16.1            | 12                 | 11.8             |
| 70          | 61123       | 619          | -73        | .          | 9                 | 6.1             | 12                 | 10.9             | 16                | 27.8            | 11                 | 14.6             | 9                 | 9.3             | 11                 | 12.5             | 12                | 10.3            | 12                 | 7.8              |
| 50          | 67668       | 161          | -65        | .          | 9                 | 3.8             | 15                 | 12.1             | 19                | 31.4            | 11                 | 11.3             | 10                | 6.8             | 15                 | 16.8             | 17                | 12.3            | 14                 | 4.6              |
| 30          | 78128       | -116         | -56        | .          | 13                | 1.9             | 22                 | 14.8             | 30                | 41.1            | 13                 | 7.3              | 14                | 4.4             | 25                 | 9.4              | 27                | 15.9            | 19                 | 4.3              |
| 20          | 86817       | -64          | -50        | .          | 6                 | 0.4             | 11                 | 3.6              | 15                | 11.9            | 9                  | 5.4              | 6                 | 1.1             | 11                 | 8.9              | 18                | 15.9            | 14                 | 2.1              |
| 10          | 101788      | -97          | -40        | .          | 13                | 0.9             | 21                 | 7.3              | 31                | 23.9            | 18                 | 10.9             | 12                | 2.3             | 22                 | 17.9             | 37                | 31.9            | 28                 | 4.3              |

NOV Latitude= 7.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 27         | 23         | 11                | 8.6             | 12                 | 60.9             | 11                | 26.9            | 8                  | 2.6              | 6                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 343         | -21          | 26         | 21         | 11                | 3.9             | 13                 | 47.6             | 12                | 39.3            | 8                  | 6.3              | 6                 | 1.6             | 4                  | 0.3              | 2                 | 0.1             | 5                  | 0.1              |
| 850         | 4963        | 183          | 17         | 10         | 10                | 6.8             | 16                 | 63.9             | 14                | 25.4            | 7                  | 1.4              | 5                 | 0.4             | 0                  | 0.0              | 5                 | 0.3             | 6                  | 1.3              |
| 700         | 10322       | 440          | 9          | -3         | 11                | 13.6            | 11                 | 38.3             | 12                | 36.6            | 7                  | 6.3              | 7                 | 1.9             | 1                  | 0.3              | 3                 | 0.3             | 8                  | 1.6              |
| 500         | 19236       | 947          | -5         | -19        | 7                 | 3.8             | 13                 | 28.1             | 15                | 49.1            | 9                  | 9.1              | 8                 | 3.4             | 9                  | 2.3              | 10                | 1.6             | 10                 | 1.6              |
| 400         | 24870       | 1296         | -16        | -31        | 8                 | 3.8             | 14                 | 19.8             | 17                | 45.8            | 11                 | 11.9             | 13                | 5.9             | 11                 | 5.9              | 8                 | 2.1             | 7                  | 3.8              |
| 300         | 31779       | 1714         | -32        | -45        | 11                | 6.3             | 13                 | 18.1             | 14                | 24.4            | 11                 | 14.4             | 14                | 9.6             | 13                 | 12.3             | 12                | 10.3            | 9                  | 3.8              |
| 250         | 35916       | 1917         | -42        | .          | 11                | 6.3             | 15                 | 14.6             | 14                | 16.3            | 14                 | 11.8             | 16                | 13.3            | 18                 | 14.6             | 16                | 13.9            | 12                 | 8.3              |
| 200         | 40761       | 2099         | -54        | .          | 13                | 4.1             | 17                 | 10.3             | 16                | 18.4            | 14                 | 12.5             | 18                | 15.1            | 20                 | 17.4             | 17                | 14.3            | 18                 | 7.4              |
| 150         | 46639       | 1992         | -68        | .          | 13                | 5.1             | 17                 | 8.6              | 18                | 16.9            | 14                 | 15.8             | 15                | 12.1            | 18                 | 18.1             | 17                | 15.9            | 18                 | 6.8              |
| 100         | 54379       | 1296         | -77        | .          | 8                 | 4.9             | 12                 | 10.3             | 18                | 21.6            | 15                 | 12.1             | 10                | 12.3            | 12                 | 13.6             | 13                | 15.8            | 11                 | 8.3              |
| 70          | 61131       | 627          | -73        | .          | 10                | 3.3             | 12                 | 10.8             | 16                | 30.4            | 12                 | 14.9             | 8                 | 7.4             | 11                 | 14.9             | 13                | 8.9             | 10                 | 8.1              |
| 50          | 67672       | 165          | -65        | .          | 9                 | 3.1             | 16                 | 10.8             | 19                | 33.6            | 11                 | 10.9             | 10                | 6.1             | 15                 | 16.8             | 17                | 12.6            | 11                 | 4.8              |
| 30          | 78126       | -118         | -56        | .          | 8                 | 1.9             | 21                 | 12.1             | 31                | 44.8            | 11                 | 5.3              | 12                | 3.9             | 24                 | 12.1             | 27                | 16.3            | 20                 | 3.1              |
| 20          | 86811       | -70          | -50        | .          | 5                 | 0.4             | 8                  | 2.7              | 15                | 14.1            | 8                  | 3.1              | 9                 | 2.1             | 11                 | 9.6              | 19                | 15.9            | 13                 | 1.4              |
| 10          | 101784      | -101         | -40        | .          | 10                | 0.9             | 16                 | 5.6              | 31                | 28.3            | 17                 | 6.3              | 17                | 4.3             | 22                 | 19.3             | 37                | 31.9            | 27                 | 2.9              |

DEC Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 3                 | 0.3             | 12                 | 48.7             | 10                | 47.0            | 6                  | 3.2              | 6                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 303         | -61          | 26         | 23         | 8                 | 0.8             | 16                 | 54.8             | 13                | 42.4            | 7                  | 1.7              | 6                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4939        | 159          | 18         | 10         | 10                | 5.8             | 15                 | 55.6             | 15                | 34.5            | 7                  | 1.6              | 4                 | 0.6             | 3                  | 0.6              | 3                 | 0.3             | 6                  | 0.6              |
| 700         | 10310       | 428          | 9          | -1         | 8                 | 14.1            | 9                  | 25.9             | 11                | 30.4            | 9                  | 11.9             | 4                 | 3.8             | 5                  | 3.2              | 6                 | 3.3             | 7                  | 6.1              |
| 500         | 19213       | 924          | -5         | -16        | 8                 | 4.5             | 14                 | 24.8             | 15                | 47.5            | 11                 | 12.2             | 7                 | 1.6             | 7                  | 4.3              | 6                 | 1.7             | 7                  | 2.7              |
| 400         | 24850       | 1276         | -16        | -29        | 11                | 9.0             | 15                 | 24.3             | 16                | 36.2            | 10                 | 8.8              | 8                 | 5.3             | 9                  | 4.3              | 10                | 7.2             | 10                 | 4.1              |
| 300         | 31767       | 1702         | -32        | -43        | 13                | 14.6            | 13                 | 16.7             | 17                | 23.5            | 13                 | 12.2             | 10                | 6.1             | 10                 | 5.3              | 15                | 9.1             | 15                 | 11.9             |
| 250         | 35907       | 1908         | -41        | .          | 16                | 13.3            | 16                 | 10.3             | 18                | 22.5            | 16                 | 14.0             | 14                | 6.2             | 13                 | 5.8              | 17                | 12.0            | 18                 | 15.1             |
| 200         | 40760       | 2098         | -54        | .          | 18                | 12.0            | 15                 | 8.5              | 19                | 19.3            | 19                 | 13.2             | 15                | 5.4             | 15                 | 7.4              | 20                | 19.5            | 20                 | 14.3             |
| 150         | 46650       | 2003         | -68        | .          | 18                | 16.1            | 15                 | 7.7              | 17                | 15.9            | 18                 | 11.1             | 14                | 2.5             | 21                 | 4.8              | 21                | 19.6            | 21                 | 21.9             |
| 100         | 54380       | 1297         | -78        | .          | 11                | 11.4            | 13                 | 11.9             | 16                | 16.6            | 12                 | 8.8              | 10                | 5.9             | 14                 | 10.4             | 17                | 18.             | 17                 | 15.4             |
| 70          | 61072       | 568          | -75        | .          | 9                 | 7.9             | 11                 | 12.7             | 15                | 18.2            | 11                 | 9.1              | 12                | 8.3             | 14                 | 14.5             | 15                | 18.2            | 11                 | 10.4             |
| 50          | 67560       | 53           | -65        | .          | 11                | 4.6             | 15                 | 6.2              | 25                | 21.1            | 15                 | 8.0              | 15                | 8.0             | 18                 | 14.3             | 21                | 26.9            | 16                 | 10.3             |
| 30          | 77961       | -283         | -57        | .          | 16                | 1.4             | 28                 | 5.8              | 33                | 40.4            | 19                 | 8.7              | 21                | 5.8             | 23                 | 12.4             | 28                | 19.5            | 31                 | 5.6              |
| 20          | 86624       | -257         | -51        | .          | 13                | 0.4             | 8                  | 2.2              | 17                | 19.1            | 11                 | 5.2              | 16                | 6.8             | 13                 | 7.0              | 10                | 7.6             | 8                  | 0.9              |
| 10          | 101453      | -432         | -40        | .          | 26                | 0.9             | 17                 | 4.5              | 34                | 38.3            | 23                 | 10.6             | 31                | 13.8            | 26                 | 14.1             | 19                | 15.4            | 17                 | 1.9              |

DEC Latitude= 0.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 7                 | 4.5             | 10                 | 77.4             | 7                 | 14.5            | 6                  | 1.2              | 5                 | 0.6             | 5                  | 0.6              | 2                 | 0.3             | 2                  | 0.3              |
| 1000        | 310         | -54          | 25         | 23         | 10                | 4.5             | 13                 | 79.3             | 10                | 14.1            | 7                  | 0.8              | 5                 | 0.3             | 6                  | 0.3              | 2                 | 0.1             | 4                  | 0.3              |
| 850         | 4940        | 160          | 18         | 11         | 8                 | 6.6             | 13                 | 42.7             | 13                | 39.1            | 5                  | 3.2              | 4                 | 2.2             | 4                  | 1.2              | 5                 | 1.4             | 5                  | 2.4              |
| 700         | 10307       | 425          | 9          | -1         | 6                 | 11.1            | 8                  | 14.9             | 11                | 29.1            | 8                  | 14.6             | 7                 | 5.4             | 7                  | 7.0              | 9                 | 5.6             | 7                  | 10.6             |
| 500         | 19214       | 925          | -5         | -16        | 7                 | 4.6             | 14                 | 27.9             | 14                | 42.4            | 10                 | 13.0             | 9                 | 2.0             | 9                  | 3.7              | 6                 | 2.9             | 6                  | 2.9              |
| 400         | 24848       | 1274         | -16        | -28        | 10                | 7.4             | 16                 | 24.8             | 16                | 33.8            | 11                 | 9.3              | 9                 | 5.1             | 11                 | 7.0              | 11                | 6.7             | 8                  | 4.9              |
| 300         | 31766       | 1701         | -32        | -43        | 14                | 11.2            | 13                 | 15.8             | 16                | 26.7            | 14                 | 10.3             | 11                | 7.7             | 13                 | 6.7              | 16                | 10.8            | 15                 | 9.6              |
| 250         | 35906       | 1907         | -41        | .          | 18                | 12.5            | 15                 | 10.8             | 18                | 24.8            | 18                 | 11.9             | 16                | 5.6             | 13                 | 8.5              | 19                | 13.2            | 18                 | 12.2             |
| 200         | 40757       | 2095         | -54        | .          | 17                | 11.2            | 14                 | 9.5              | 18                | 19.6            | 20                 | 12.5             | 14                | 5.3             | 18                 | 9.5              | 22                | 19.9            | 22                 | 11.9             |
| 150         | 46644       | 1997         | -68        | .          | 19                | 12.2            | 15                 | 7.5              | 18                | 15.6            | 18                 | 11.4             | 14                | 4.0             | 24                 | 5.8              | 23                | 23.2            | 21                 | 19.9             |
| 100         | 54376       | 1293         | -78        | .          | 12                | 8.5             | 13                 | 10.8             | 16                | 18.8            | 12                 | 8.7              | 12                | 5.1             | 14                 | 12.2             | 19                | 19.8            | 16                 | 15.3             |
| 70          | 61069       | 565          | -75        | .          | 8                 | 6.2             | 11                 | 12.5             | 15                | 17.7            | 10                 | 9.1              | 12                | 8.7             | 14                 | 15.4             | 15                | 18.7            | 11                 | 10.8             |
| 50          | 67560       | 53           | -65        | .          | 11                | 4.5             | 17                 | 7.0              | 26                | 20.9            | 17                 | 7.2              | 17                | 9.9             | 18                 | 13.3             | 21                | 26.4            | 17                 | 10.1             |
| 30          | 77962       | -282         | -57        | .          | 13                | 2.0             | 28                 | 6.6              | 32                | 41.2            | 25                 | 10.3             | 25                | 6.1             | 23                 | 9.6              | 26                | 16.7            | 35                 | 6.7              |
| 20          | 86624       | -257         | -51        | .          | 9                 | 0.4             | 10                 | 2.3              | 16                | 19.7            | 18                 | 7.5              | 15                | 6.2             | 11                 | 5.5              | 9                 | 5.9             | 7                  | 1.7              |
| 10          | 101450      | -435         | -40        | .          | 18                | 0.9             | 20                 | 4.8              | 32                | 39.6            | 37                 | 15.1             | 31                | 12.5            | 23                 | 11.2             | 17                | 11.9            | 14                 | 3.5              |

DEC Latitude= 0.00 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 8                 | 22.9            | 9                  | 59.9             | 7                 | 9.3             | 4                  | 2.5              | 5                 | 0.9             | 6                  | 0.9              | 3                 | 0.9             | 5                  | 1.2              |
| 1000        | 312         | -52          | 25         | 23         | 10                | 18.0            | 11                 | 63.2             | 9                 | 13.3            | 5                  | 1.9              | 5                 | 0.6             | 5                  | 0.8              | 5                 | 0.3             | 6                  | 1.2              |
| 850         | 4940        | 160          | 17         | 12         | 6                 | 10.1            | 11                 | 33.5             | 12                | 36.1            | 7                  | 3.0              | 5                 | 2.5             | 5                  | 4.1              | 6                 | 4.0             | 7                  | 4.9              |
| 700         | 10304       | 422          | 9          | -1         | 6                 | 6.6             | 8                  | 11.2             | 11                | 28.3            | 9                  | 16.6             | 8                 | 8.8             | 8                  | 7.2              | 9                 | 10.1            | 8                  | 9.6              |
| 500         | 19213       | 924          | -5         | -16        | 8                 | 5.9             | 14                 | 25.3             | 14                | 42.9            | 10                 | 11.6             | 8                 | 2.9             | 9                  | 4.6              | 6                 | 2.7             | 7                  | 3.3              |
| 400         | 24848       | 1274         | -16        | -27        | 10                | 7.0             | 15                 | 23.2             | 16                | 35.8            | 10                 | 9.3              | 11                | 5.3             | 12                 | 7.4              | 10                | 6.6             | 8                  | 4.3              |
| 300         | 31765       | 1700         | -32        | -42        | 15                | 9.5             | 13                 | 16.4             | 16                | 26.1            | 12                 | 11.2             | 11                | 7.2             | 14                 | 10.6             | 15                | 11.7            | 14                 | 6.9              |
| 250         | 35906       | 1907         | -41        | .          | 17                | 9.9             | 16                 | 12.7             | 18                | 24.1            | 16                 | 11.1             | 15                | 6.7             | 15                 | 10.6             | 19                | 13.8            | 17                 | 10.1             |
| 200         | 40759       | 2097         | -54        | .          | 17                | 8.5             | 15                 | 7.4              | 19                | 21.9            | 18                 | 12.9             | 16                | 6.1             | 18                 | 11.2             | 22                | 19.8            | 20                 | 11.7             |
| 150         | 46643       | 1996         | -68        | .          | 18                | 10.1            | 14                 | 6.9              | 19                | 17.9            | 18                 | 12.5             | 18                | 3.2             | 23                 | 8.0              | 22                | 26.9            | 20                 | 14.1             |
| 100         | 54376       | 1293         | -78        | .          | 11                | 6.2             | 13                 | 8.7              | 16                | 19.3            | 13                 | 9.0              | 10                | 6.6             | 13                 | 11.2             | 19                | 24.5            | 13                 | 13.7             |
| 70          | 61069       | 565          | -75        | .          | 9                 | 6.9             | 11                 | 10.9             | 16                | 17.7            | 11                 | 10.3             | 10                | 9.1             | 14                 | 14.8             | 16                | 20.6            | 11                 | 9.1              |
| 50          | 67560       | 53           | -65        | .          | 10                | 4.5             | 17                 | 7.5              | 27                | 21.7            | 20                 | 6.1              | 14                | 10.3            | 18                 | 12.4             | 21                | 26.1            | 18                 | 10.6             |
| 30          | 77963       | -281         | -57        | .          | 13                | 2.0             | 23                 | 9.1              | 31                | 42.0            | 28                 | 10.3             | 26                | 4.5             | 21                 | 8.5              | 26                | 15.8            | 37                 | 7.4              |
| 20          | 86626       | -255         | -51        | .          | 9                 | 1.0             | 11                 | 2.3              | 15                | 19.7            | 19                 | 10.4             | 15                | 3.5             | 9                  | 4.9              | 7                 | 5.9             | 6                  | 1.5              |
| 10          | 101451      | -434         | -40        | .          | 18                | 2.2             | 23                 | 4.8              | 31                | 39.6            | 39                 | 20.9             | 30                | 7.0             | 18                 | 9.9              | 15                | 11.9            | 11                 | 3.2              |

DEC Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 19         | 0                 | 0.0             | 11                 | 22.9             | 10                | 74.1            | 8                  | 2.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 299         | -65          | 28         | 20         | 3                 | 0.1             | 13                 | 27.7             | 14                | 70.4            | 10                 | 1.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 4                  | 0.1              |
| 850         | 4943        | 163          | 18         | 11         | 8                 | 0.3             | 18                 | 65.8             | 18                | 33.7            | 9                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10312       | 430          | 9          | -1         | 10                | 8.2             | 12                 | 43.5             | 13                | 36.2            | 9                  | 7.9              | 3                 | 1.6             | 5                  | 0.8              | 4                 | 0.6             | 6                  | 0.6              |
| 500         | 19214       | 925          | -5         | -17        | 7                 | 3.8             | 15                 | 23.3             | 17                | 50.8            | 11                 | 12.7             | 7                 | 1.9             | 8                  | 2.2              | 7                 | 1.9             | 7                  | 2.7              |
| 400         | 24848       | 1274         | -16        | -31        | 11                | 11.6            | 16                 | 21.9             | 20                | 37.7            | 12                 | 9.1              | 7                 | 4.6             | 10                 | 2.7              | 10                | 7.2             | 10                 | 4.5              |
| 300         | 31763       | 1698         | -32        | -45        | 15                | 14.9            | 14                 | 19.3             | 17                | 24.8            | 13                 | 10.9             | 13                | 3.2             | 12                 | 5.6              | 15                | 9.5             | 15                 | 11.1             |
| 250         | 35906       | 1907         | -41        | .          | 16                | 15.1            | 18                 | 10.8             | 18                | 20.3            | 17                 | 10.9             | 15                | 6.2             | 17                 | 6.1              | 16                | 12.9            | 19                 | 16.7             |
| 200         | 40758       | 2096         | -54        | .          | 19                | 12.0            | 17                 | 7.9              | 17                | 15.1            | 17                 | 14.5             | 17                | 5.4             | 17                 | 7.9              | 21                | 18.3            | 20                 | 18.5             |
| 150         | 46647       | 2000         | -68        | .          | 19                | 15.8            | 16                 | 9.1              | 17                | 12.0            | 18                 | 11.1             | 12                | 3.3             | 13                 | 6.4              | 21                | 18.0            | 21                 | 23.7             |
| 100         | 54376       | 1293         | -78        | .          | 13                | 13.2            | 15                 | 12.2             | 16                | 18.2            | 11                 | 7.5              | 11                | 6.6             | 12                 | 7.5              | 18                | 18.0            | 17                 | 16.1             |
| 70          | 61068       | 564          | -75        | .          | 10                | 9.3             | 11                 | 12.0             | 14                | 21.4            | 11                 | 8.5              | 12                | 6.9             | 16                 | 14.5             | 17                | 18.5            | 13                 | 8.0              |
| 50          | 67556       | 49           | -65        | .          | 11                | 4.3             | 13                 | 6.1              | 23                | 21.7            | 15                 | 7.0              | 15                | 6.6             | 23                 | 16.1             | 23                | 27.0            | 15                 | 10.3             |
| 30          | 77963       | -281         | -57        | .          | 13                | 0.8             | 25                 | 5.9              | 31                | 39.9            | 15                 | 7.5              | 13                | 4.6             | 37                 | 15.3             | 31                | 20.3            | 32                 | 5.3              |
| 20          | 86630       | -251         | -51        | .          | 9                 | 0.7             | 9                  | 3.0              | 16                | 14.6            | 7                  | 4.0              | 10                | 2.0             | 24                 | 13.8             | 16                | 10.4            | 9                  | 0.9              |
| 10          | 101458      | -427         | -40        | .          | 18                | 1.6             | 19                 | 6.1              | 31                | 29.3            | 15                 | 8.0              | 20                | 4.1             | 47                 | 27.7             | 31                | 20.9            | 17                 | 1.9              |

DEC Latitude= 2.50 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 9                 | 0.3             | 12                 | 78.7             | 10                | 19.9            | 3                  | 0.3              | 5                 | 0.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 316         | -48          | 25         | 22         | 12                | 0.8             | 15                 | 79.6             | 13                | 19.0            | 4                  | 0.1              | 6                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4941        | 161          | 17         | 10         | 11                | 1.4             | 18                 | 62.2             | 17                | 35.3            | 4                  | 0.4              | 0                 | 0.0             | 0                  | 0.0              | 3                 | 0.1             | 4                  | 0.3              |
| 700         | 10307       | 425          | 9          | -2         | 9                 | 10.1            | 10                 | 28.2             | 12                | 40.3            | 8                  | 10.4             | 5                 | 3.2             | 5                  | 2.4              | 6                 | 1.6             | 5                  | 2.9              |
| 500         | 19214       | 925          | -5         | -17        | 7                 | 4.6             | 15                 | 23.8             | 17                | 50.8            | 10                 | 10.4             | 7                 | 2.5             | 9                  | 2.7              | 8                 | 2.0             | 6                  | 2.5              |
| 400         | 24849       | 1275         | -16        | -29        | 11                | 9.3             | 17                 | 21.7             | 19                | 38.7            | 10                 | 8.5              | 9                 | 5.1             | 11                 | 5.6              | 11                | 6.4             | 9                  | 3.7              |
| 300         | 31766       | 1701         | -32        | -44        | 15                | 12.2            | 14                 | 16.7             | 17                | 27.2            | 13                 | 10.1             | 10                | 5.8             | 15                 | 6.1              | 15                | 11.2            | 14                 | 10.1             |
| 250         | 35906       | 1907         | -42        | .          | 17                | 13.5            | 17                 | 9.8              | 18                | 22.4            | 17                 | 11.4             | 15                | 6.4             | 17                 | 7.7              | 18                | 16.9            | 17                 | 11.4             |
| 200         | 40756       | 2094         | -54        | .          | 21                | 10.6            | 19                 | 7.4              | 17                | 16.6            | 17                 | 15.3             | 17                | 5.9             | 19                 | 9.6              | 23                | 19.9            | 20                 | 14.3             |
| 150         | 46642       | 1995         | -68        | .          | 19                | 12.5            | 18                 | 8.2              | 17                | 14.3            | 18                 | 13.5             | 14                | 3.8             | 22                 | 6.4              | 22                | 20.9            | 21                 | 19.6             |
| 100         | 54377       | 1294         | -78        | .          | 13                | 12.0            | 14                 | 10.4             | 15                | 20.1            | 12                 | 6.9              | 10                | 6.6             | 14                 | 9.6              | 19                | 21.1            | 16                 | 12.9             |
| 70          | 61070       | 566          | -75        | .          | 9                 | 6.2             | 11                 | 12.7             | 15                | 20.8            | 10                 | 8.7              | 12                | 6.7             | 16                 | 15.3             | 19                | 18.7            | 12                 | 10.1             |
| 50          | 67560       | 53           | -65        | .          | 9                 | 5.6             | 14                 | 6.6              | 24                | 21.2            | 15                 | 6.6              | 15                | 5.6             | 24                 | 19.0             | 24                | 23.7            | 17                 | 11.1             |
| 30          | 77963       | -281         | -57        | .          | 10                | 2.0             | 24                 | 7.0              | 30                | 40.4            | 16                 | 7.0              | 18                | 4.9             | 38                 | 14.8             | 31                | 17.2            | 39                 | 5.9              |
| 20          | 86626       | -255         | -51        | .          | 11                | 0.7             | 10                 | 3.0              | 15                | 14.3            | 7                  | 4.5              | 15                | 3.0             | 24                 | 12.8             | 15                | 10.1            | 7                  | 1.0              |
| 10          | 101457      | -428         | -40        | .          | 22                | 1.6             | 20                 | 6.1              | 31                | 28.7            | 15                 | 9.0              | 29                | 6.1             | 49                 | 25.8             | 30                | 20.3            | 15                 | 2.2              |

DEC Latitude= 2.50 Longitude= 50.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 23         | 9                 | 7.7             | 11                 | 81.6             | 9                 | 8.3             | 8                  | 0.9              | 5                 | 0.9             | 6                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 319         | -45          | 25         | 23         | 12                | 8.0             | 14                 | 81.2             | 11                | 9.5             | 10                 | 0.4              | 6                 | 0.4             | 7                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4941        | 161          | 17         | 11         | 7                 | 2.7             | 15                 | 49.3             | 15                | 44.0            | 6                  | 2.0              | 3                 | 0.8             | 6                  | 0.1              | 7                 | 0.1             | 3                  | 0.4              |
| 700         | 10303       | 421          | 10         | -2         | 8                 | 8.2             | 10                 | 19.6             | 12                | 39.5            | 8                  | 13.2             | 6                 | 4.9             | 6                  | 4.5              | 5                 | 3.3             | 6                  | 5.4              |
| 500         | 19215       | 926          | -5         | -16        | 8                 | 5.6             | 15                 | 23.7             | 16                | 48.7            | 9                  | 8.8              | 7                 | 3.3             | 9                  | 3.7              | 7                 | 2.9             | 7                  | 2.2              |
| 400         | 24849       | 1275         | -16        | -28        | 10                | 6.4             | 16                 | 23.2             | 19                | 37.7            | 10                 | 9.9              | 9                 | 5.4             | 12                 | 6.7              | 13                | 5.9             | 8                  | 4.0              |
| 300         | 31766       | 1701         | -32        | -43        | 14                | 10.6            | 12                 | 16.2             | 17                | 28.7            | 12                 | 10.3             | 11                | 6.4             | 16                 | 9.0              | 15                | 11.2            | 12                 | 7.0              |
| 250         | 35905       | 1906         | -42        | .          | 16                | 10.4            | 14                 | 12.7             | 17                | 23.2            | 18                 | 10.8             | 14                | 6.9             | 16                 | 10.6             | 19                | 14.1            | 16                 | 10.6             |
| 200         | 40755       | 2093         | -54        | .          | 17                | 9.5             | 15                 | 6.7              | 18                | 19.5            | 18                 | 15.3             | 18                | 6.1             | 21                 | 11.2             | 23                | 19.5            | 20                 | 11.6             |
| 150         | 46637       | 1990         | -68        | .          | 18                | 8.7             | 15                 | 8.2              | 18                | 17.4            | 18                 | 13.5             | 14                | 4.9             | 24                 | 9.8              | 22                | 22.2            | 21                 | 14.6             |
| 100         | 54373       | 1290         | -78        | .          | 12                | 8.8             | 14                 | 10.3             | 16                | 19.6            | 12                 | 9.0              | 10                | 6.7             | 17                 | 11.7             | 19                | 23.0            | 14                 | 10.3             |
| 70          | 61066       | 562          | -75        | .          | 10                | 4.8             | 12                 | 11.1             | 16                | 21.2            | 10                 | 9.8              | 10                | 8.3             | 16                 | 13.0             | 19                | 19.8            | 13                 | 11.1             |
| 50          | 67557       | 50           | -65        | .          | 10                | 4.6             | 14                 | 7.7              | 24                | 22.7            | 13                 | 5.4              | 14                | 6.6             | 23                 | 16.9             | 23                | 24.0            | 18                 | 10.9             |
| 30          | 77960       | -284         | -57        | .          | 9                 | 2.4             | 20                 | 8.8              | 30                | 41.9            | 14                 | 5.8              | 20                | 4.5             | 37                 | 12.7             | 32                | 16.4            | 39                 | 6.7              |
| 20          | 86622       | -259         | -51        | .          | 9                 | 0.9             | 10                 | 3.6              | 15                | 13.5            | 7                  | 5.1              | 10                | 3.1             | 22                 | 12.5             | 17                | 9.3             | 7                  | 1.4              |
| 10          | 101450      | -435         | -40        | .          | 18                | 1.9             | 20                 | 7.4              | 31                | 27.0            | 14                 | 10.3             | 21                | 6.4             | 44                 | 25.1             | 34                | 18.7            | 13                 | 2.9              |

DEC Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 16         | 0                 | 0.0             | 10                 | 7.0              | 10                | 90.6            | 10                 | 2.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 317         | -47          | 28         | 18         | 2                 | 0.3             | 11                 | 10.4             | 12                | 84.0            | 10                 | 5.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4950        | 170          | 18         | 12         | 0                 | 0.0             | 16                 | 45.6             | 17                | 54.3            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10319       | 437          | 9          | -0         | 12                | 6.7             | 13                 | 48.3             | 14                | 38.5            | 11                 | 4.9              | 4                 | 0.6             | 4                  | 0.1              | 4                 | 0.1             | 4                  | 0.3              |
| 500         | 19222       | 933          | -5         | -19        | 8                 | 4.0             | 14                 | 23.0             | 18                | 58.3            | 10                 | 7.9              | 5                 | 1.4             | 5                  | 0.9              | 6                 | 1.7             | 7                  | 2.2              |
| 400         | 24853       | 1279         | -16        | -32        | 12                | 11.4            | 18                 | 23.2             | 20                | 39.9            | 11                 | 8.7              | 8                 | 3.7             | 8                  | 2.9              | 11                | 5.4             | 11                 | 4.3              |
| 300         | 31761       | 1696         | -32        | -46        | 17                | 15.4            | 15                 | 14.1             | 17                | 26.6            | 14                 | 10.8             | 12                | 4.1             | 11                 | 6.7              | 14                | 8.0             | 15                 | 13.7             |
| 250         | 35904       | 1905         | -42        | .          | 19                | 16.1            | 18                 | 10.9             | 17                | 15.9            | 14                 | 13.2             | 16                | 7.2             | 16                 | 6.4              | 19                | 14.3            | 18                 | 15.4             |
| 200         | 40754       | 2092         | -54        | .          | 22                | 13.0            | 15                 | 8.5              | 17                | 11.6            | 16                 | 13.0             | 16                | 6.4             | 17                 | 9.6              | 21                | 18.8            | 22                 | 18.5             |
| 150         | 46641       | 1994         | -68        | .          | 20                | 17.7            | 15                 | 10.4             | 15                | 9.9             | 18                 | 9.9              | 16                | 5.3             | 15                 | 5.3              | 21                | 17.0            | 21                 | 24.0             |
| 100         | 54371       | 1288         | -78        | .          | 14                | 14.3            | 14                 | 13.0             | 17                | 16.4            | 12                 | 7.9              | 10                | 5.8             | 12                 | 6.4              | 17                | 17.5            | 17                 | 17.9             |
| 70          | 61064       | 560          | -75        | .          | 11                | 8.3             | 11                 | 12.7             | 14                | 24.0            | 11                 | 10.4             | 11                | 5.6             | 15                 | 13.5             | 18                | 15.9            | 14                 | 8.5              |
| 50          | 67554       | 47           | -65        | .          | 10                | 4.1             | 14                 | 8.7              | 21                | 24.3            | 12                 | 8.5              | 13                | 8.0             | 22                 | 14.9             | 26                | 22.7            | 16                 | 8.0              |
| 30          | 77972       | -272         | -57        | .          | 17                | 0.4             | 25                 | 6.1              | 29                | 40.3            | 14                 | 7.2              | 13                | 5.8             | 38                 | 12.4             | 35                | 23.0            | 29                 | 4.3              |
| 20          | 86638       | -243         | -51        | .          | 7                 | 2.3             | 4                  | 4.0              | 15                | 8.8             | 6                  | 2.8              | 10                | 2.5             | 23                 | 12.6             | 22                | 14.3            | 6                  | 2.0              |
| 10          | 101473      | -412         | -40        | .          | 15                | 4.8             | 15                 | 8.0              | 29                | 17.7            | 13                 | 5.8              | 20                | 5.1             | 46                 | 25.4             | 44                | 28.7            | 13                 | 4.1              |

DEC Latitude= 5.00 Longitude= 47.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 20         | 0                 | 0.0             | 10                 | 38.3             | 12                | 61.6            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 322         | -42          | 26         | 20         | 6                 | 0.3             | 14                 | 43.3             | 15                | 55.9            | 11                 | 0.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4950        | 170          | 17         | 10         | 14                | 0.1             | 20                 | 68.5             | 18                | 31.1            | 5                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10312       | 430          | 9          | -2         | 10                | 5.3             | 12                 | 38.8             | 13                | 47.2            | 10                 | 5.8              | 6                 | 0.8             | 4                  | 0.3              | 4                 | 0.6             | 5                  | 0.4              |
| 500         | 19220       | 931          | -5         | -18        | 8                 | 4.6             | 15                 | 23.0             | 19                | 54.8            | 11                 | 8.5              | 5                 | 2.4             | 7                  | 1.7              | 8                 | 2.2             | 5                  | 2.0              |
| 400         | 24854       | 1280         | -16        | -31        | 11                | 9.9             | 18                 | 22.0             | 22                | 38.8            | 12                 | 9.3              | 9                 | 4.8             | 10                 | 4.6              | 12                | 5.8             | 9                  | 3.8              |
| 300         | 31766       | 1701         | -32        | -45        | 16                | 13.8            | 14                 | 14.9             | 18                | 27.0            | 13                 | 10.3             | 12                | 5.3             | 14                 | 6.2              | 14                | 12.0            | 14                 | 9.5              |
| 250         | 35904       | 1905         | -42        | .          | 17                | 11.4            | 18                 | 10.8             | 17                | 18.7            | 16                 | 13.7             | 13                | 7.9             | 19                 | 7.0              | 18                | 16.1            | 17                 | 14.0             |
| 200         | 40751       | 2089         | -54        | .          | 20                | 11.1            | 18                 | 7.4              | 17                | 13.3            | 17                 | 14.3             | 14                | 9.5             | 20                 | 11.6             | 22                | 17.9            | 21                 | 14.6             |
| 150         | 46635       | 1988         | -68        | .          | 19                | 13.8            | 17                 | 9.3              | 17                | 9.9             | 17                 | 14.1             | 13                | 7.0             | 17                 | 7.7              | 24                | 17.5            | 22                 | 19.0             |
| 100         | 54368       | 1285         | -77        | .          | 15                | 10.9            | 14                 | 11.9             | 16                | 18.3            | 11                 | 9.8              | 9                 | 5.3             | 14                 | 9.5              | 17                | 19.1            | 17                 | 13.8             |
| 70          | 61064       | 560          | -75        | .          | 11                | 7.9             | 12                 | 10.9             | 14                | 25.3            | 10                 | 10.9             | 11                | 5.6             | 18                 | 13.2             | 19                | 16.4            | 12                 | 9.3              |
| 50          | 67554       | 47           | -65        | .          | 10                | 4.1             | 13                 | 8.5              | 22                | 24.1            | 10                 | 10.4             | 12                | 7.2             | 22                 | 18.5             | 28                | 20.9            | 19                 | 5.6              |
| 30          | 77968       | -276         | -57        | .          | 9                 | 1.6             | 24                 | 6.1              | 29                | 41.9            | 13                 | 7.4              | 15                | 4.1             | 39                 | 14.3             | 36                | 19.8            | 41                 | 4.1              |
| 20          | 86631       | -250         | -51        | .          | 8                 | 2.6             | 9                  | 3.5              | 14                | 9.0             | 8                  | 2.2              | 8                 | 3.1             | 24                 | 14.9             | 23                | 12.6            | 8                  | 1.2              |
| 10          | 101467      | -418         | -40        | .          | 17                | 5.4             | 18                 | 7.0              | 28                | 18.0            | 15                 | 4.5              | 16                | 6.4             | 48                 | 29.9             | 47                | 25.4            | 16                 | 2.5              |

DEC Latitude= 5.00 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | SE   | SE    | S    | S     | SW   | SW    | W    | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 24  | 13    | 0.6  | 14    | 94.5 | 12    | 4.5  | 4     | 0.3  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 331    | -33  | 24  | 22  | 18    | 2.0  | 17    | 91.6 | 14    | 6.2  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4947   | 167  | 17  | 10  | 13    | 0.1  | 19    | 59.5 | 18    | 39.5 | 10    | 0.6  | 3     | 0.1  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10307  | 425  | 10  | -3  | 8     | 5.4  | 12    | 29.3 | 13    | 50.4 | 10    | 9.1  | 7     | 2.4  | 6     | 0.6  | 5     | 1.2  |
| 500  | 19220  | 931  | -5  | -18 | 10    | 3.3  | 16    | 29.8 | 18    | 49.0 | 9     | 8.2  | 7     | 3.0  | 8     | 2.2  | 9     | 1.6  |
| 400  | 24856  | 1282 | -16 | -30 | 10    | 8.8  | 18    | 21.7 | 21    | 41.7 | 12    | 8.3  | 10    | 5.1  | 9     | 4.1  | 13    | 3.7  |
| 300  | 31771  | 1706 | -32 | -44 | 15    | 10.4 | 14    | 14.8 | 17    | 29.3 | 13    | 9.9  | 12    | 6.4  | 17    | 8.5  | 15    | 11.4 |
| 250  | 35907  | 1908 | -42 | .   | 15    | 8.7  | 16    | 10.3 | 18    | 22.2 | 15    | 12.7 | 15    | 9.5  | 18    | 10.1 | 18    | 10.4 |
| 200  | 40753  | 2091 | -54 | .   | 19    | 8.5  | 18    | 8.2  | 17    | 15.3 | 17    | 15.6 | 16    | 10.1 | 21    | 12.5 | 24    | 17.4 |
| 150  | 46634  | 1987 | -68 | .   | 16    | 10.6 | 16    | 8.2  | 17    | 13.5 | 17    | 17.2 | 14    | 7.7  | 23    | 10.3 | 24    | 19.1 |
| 100  | 54373  | 1290 | -77 | .   | 14    | 8.3  | 14    | 12.4 | 15    | 19.3 | 11    | 11.1 | 10    | 6.6  | 16    | 12.7 | 19    | 18.7 |
| 70   | 61069  | 565  | -75 | .   | 10    | 5.1  | 12    | 10.9 | 15    | 25.1 | 12    | 9.6  | 10    | 8.5  | 17    | 11.7 | 19    | 18.7 |
| 50   | 67560  | 53   | -65 | .   | 11    | 2.7  | 13    | 9.1  | 22    | 26.9 | 11    | 8.7  | 11    | 6.1  | 23    | 15.8 | 26    | 22.0 |
| 30   | 77967  | -277 | -57 | .   | 8     | 2.4  | 17    | 6.7  | 30    | 44.5 | 12    | 5.1  | 12    | 3.3  | 36    | 13.3 | 41    | 18.3 |
| 20   | 86629  | -252 | -51 | .   | 7     | 3.0  | 8     | 2.5  | 13    | 9.7  | 7     | 2.6  | 8     | 2.6  | 20    | 14.5 | 28    | 13.3 |
| 10   | 101469 | -416 | -40 | .   | 15    | 6.1  | 16    | 5.1  | 27    | 19.6 | 15    | 5.4  | 16    | 5.4  | 40    | 29.0 | 56    | 26.7 |

DEC Latitude= 7.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | SE   | SE    | S    | S     | SW   | SW    | W    | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 13  | 6     | 0.3  | 8     | 30.3 | 8     | 61.2 | 8     | 8.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 353    | -11  | 28  | 18  | 5     | 2.9  | 10    | 27.9 | 10    | 54.1 | 7     | 12.5 | 3     | 0.4  | 3     | 0.3  | 4     | 0.8  |
| 850  | 4960   | 180  | 19  | 12  | 7     | 2.4  | 12    | 34.3 | 14    | 58.5 | 10    | 4.5  | 0     | 0.0  | 0     | 0.0  | 2     | 0.1  |
| 700  | 10328  | 446  | 8   | 1   | 9     | 11.7 | 12    | 40.6 | 14    | 40.9 | 10    | 4.9  | 4     | 0.1  | 0     | 0.0  | 6     | 0.9  |
| 500  | 19239  | 950  | -6  | -21 | 8     | 6.1  | 15    | 21.9 | 19    | 58.0 | 13    | 8.0  | 6     | 2.0  | 15    | 0.1  | 4     | 0.8  |
| 400  | 24862  | 1288 | -16 | -33 | 13    | 10.3 | 17    | 23.8 | 20    | 41.4 | 13    | 10.1 | 8     | 2.4  | 9     | 3.0  | 10    | 4.8  |
| 300  | 31756  | 1691 | -32 | -47 | 17    | 17.2 | 17    | 15.1 | 16    | 25.0 | 13    | 10.6 | 12    | 5.3  | 12    | 6.6  | 13    | 9.9  |
| 250  | 35901  | 1902 | -42 | .   | 20    | 15.3 | 16    | 13.7 | 14    | 12.2 | 15    | 13.3 | 14    | 9.1  | 14    | 7.7  | 18    | 14.3 |
| 200  | 40748  | 2086 | -54 | .   | 21    | 15.9 | 15    | 8.3  | 15    | 6.4  | 15    | 13.2 | 15    | 10.3 | 18    | 9.1  | 21    | 17.7 |
| 150  | 46634  | 1987 | -68 | .   | 20    | 14.6 | 13    | 11.9 | 12    | 8.3  | 15    | 10.3 | 15    | 6.1  | 14    | 7.2  | 22    | 17.5 |
| 100  | 54367  | 1284 | -78 | .   | 16    | 14.6 | 12    | 10.3 | 15    | 15.4 | 12    | 7.9  | 11    | 6.4  | 12    | 8.3  | 16    | 14.5 |
| 70   | 61059  | 555  | -75 | .   | 12    | 7.9  | 12    | 11.9 | 15    | 23.0 | 11    | 12.4 | 9     | 8.3  | 12    | 12.4 | 16    | 13.7 |
| 50   | 67554  | 47   | -65 | .   | 9     | 3.2  | 14    | 8.5  | 20    | 30.4 | 14    | 7.5  | 10    | 8.0  | 19    | 14.1 | 22    | 20.8 |
| 30   | 77971  | -273 | -56 | .   | 14    | 1.2  | 23    | 6.6  | 27    | 41.2 | 17    | 6.9  | 13    | 6.2  | 30    | 13.3 | 30    | 19.0 |
| 20   | 86637  | -244 | -51 | .   | 6     | 1.8  | 8     | 3.3  | 10    | 6.0  | 7     | 2.0  | 10    | 4.3  | 19    | 12.6 | 20    | 15.5 |
| 10   | 101487 | -398 | -41 | .   | 13    | 3.8  | 17    | 6.7  | 21    | 12.2 | 14    | 4.1  | 20    | 8.7  | 38    | 25.4 | 40    | 31.2 |

DEC Latitude= 7.50 Longitude= 47.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 26  | 14  | 0     | 0.0  | 10    | 66.1 | 10    | 3.2  | 0     | 0.0  |
| 1000 | 352    | -12  | 27  | 18  | 7     | 0.1  | 12    | 64.6 | 10    | 4.1  | 0     | 0.0  |
| 850  | 4964   | 184  | 18  | 12  | 10    | 0.4  | 16    | 46.1 | 10    | 0.9  | 0     | 0.0  |
| 700  | 10326  | 444  | 9   | -1  | 10    | 7.7  | 13    | 38.3 | 11    | 5.8  | 0     | 0.0  |
| 500  | 19234  | 945  | -6  | -20 | 7     | 6.6  | 15    | 23.8 | 10    | 8.0  | 4     | 0.3  |
| 400  | 24860  | 1286 | -16 | -33 | 13    | 9.6  | 21    | 38.0 | 7     | 3.2  | 5     | 2.7  |
| 300  | 31760  | 1695 | -32 | -47 | 16    | 13.8 | 17    | 24.5 | 13    | 6.1  | 11    | 4.8  |
| 250  | 35901  | 1902 | -42 |     | 17    | 13.3 | 18    | 12.7 | 16    | 9.5  | 15    | 9.0  |
| 200  | 40746  | 2084 | -54 |     | 21    | 11.7 | 17    | 7.0  | 15    | 14.0 | 22    | 16.4 |
| 150  | 46631  | 1984 | -68 |     | 19    | 14.3 | 14    | 8.8  | 17    | 12.9 | 23    | 18.5 |
| 100  | 54367  | 1284 | -77 |     | 15    | 11.4 | 15    | 14.5 | 11    | 11.9 | 17    | 14.9 |
| 70   | 61065  | 561  | -75 |     | 10    | 6.2  | 13    | 9.5  | 10    | 8.5  | 17    | 15.1 |
| 50   | 67559  | 52   | -65 |     | 10    | 2.7  | 14    | 7.9  | 12    | 7.4  | 25    | 18.0 |
| 30   | 77974  | -270 | -57 |     | 10    | 1.1  | 21    | 4.9  | 11    | 6.4  | 31    | 14.8 |
| 20   | 86636  | -245 | -51 |     | 9     | 1.8  | 8     | 3.5  | 8     | 4.5  | 21    | 13.0 |
| 10   | 101494 | -391 | -41 |     | 18    | 3.8  | 17    | 7.0  | 13    | 4.1  | 42    | 26.1 |

DEC Latitude= 7.50 Longitude= 50.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 26  | 22  | 16    | 10.6 | 14    | 7.7  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 353    | -11  | 25  | 21  | 16    | 5.1  | 15    | 21.1 | 0     | 0.0  | 0     | 0.0  |
| 850  | 4963   | 183  | 16  | 10  | 12    | 0.6  | 18    | 29.1 | 0     | 0.0  | 0     | 0.0  |
| 700  | 10317  | 435  | 9   | -3  | 10    | 4.0  | 14    | 29.3 | 9     | 1.6  | 3     | 0.3  |
| 500  | 19232  | 943  | -5  | -20 | 9     | 5.9  | 17    | 23.2 | 6     | 3.2  | 6     | 1.6  |
| 400  | 24861  | 1287 | -16 | -32 | 13    | 9.5  | 21    | 38.2 | 11    | 4.3  | 10    | 5.8  |
| 300  | 31768  | 1703 | -32 | -46 | 15    | 11.7 | 17    | 24.1 | 14    | 7.0  | 14    | 11.6 |
| 250  | 35904  | 1905 | -42 |     | 15    | 9.0  | 17    | 13.0 | 16    | 10.4 | 18    | 15.8 |
| 200  | 40749  | 2087 | -54 |     | 20    | 8.5  | 15    | 11.6 | 17    | 14.6 | 23    | 15.6 |
| 150  | 46631  | 1984 | -68 |     | 19    | 9.8  | 14    | 9.8  | 15    | 11.9 | 24    | 19.3 |
| 100  | 54372  | 1289 | -77 |     | 14    | 8.3  | 15    | 12.7 | 14    | 10.9 | 18    | 16.1 |
| 70   | 61073  | 569  | -75 |     | 9     | 4.6  | 13    | 10.4 | 13    | 9.6  | 18    | 14.1 |
| 50   | 67564  | 57   | -65 |     | 9     | 2.9  | 15    | 6.9  | 14    | 6.6  | 24    | 17.7 |
| 30   | 77975  | -269 | -57 |     | 10    | 1.7  | 14    | 5.4  | 13    | 4.0  | 33    | 13.5 |
| 20   | 86637  | -244 | -51 |     | 11    | 1.4  | 9     | 2.8  | 8     | 3.8  | 24    | 16.8 |
| 10   | 101492 | -393 | -41 |     | 22    | 2.9  | 18    | 5.8  | 16    | 7.7  | 49    | 33.8 |

**UPPER AIR STATISTICAL DATA**

**SOUTHERN SOMALIA**

**(2.5° S--5.0° N, 40.0° E--45.0° E)**

JAN Latitude=-2.50 Longitude= 40.00

| IVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | SE   | S   | SW   | SW  | W    | W   | NW   | NW  |      |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | (%) |      |
| SFC  | .      | .    | 29  | 20  | 4   | 1.2  | 8   | 23.8 | 7   | 63.8 | 2   | 0.6  | 1   | 0.6  | 3   | 0.3  | 2   | 0.3  |
| 1000 | 275    | -89  | 28  | 22  | 6   | 1.1  | 11  | 36.2 | 10  | 56.9 | 2   | 0.4  | 3   | 0.1  | 0   | 0.0  | 3   | 0.1  |
| 850  | 4929   | 149  | 19  | 13  | 14  | 20.3 | 13  | 63.5 | 11  | 14.3 | 8   | 0.3  | 0   | 0.0  | 0   | 0.0  | 6   | 0.4  |
| 700  | 10311  | 429  | 9   | 1   | 11  | 32.5 | 9   | 28.3 | 8   | 14.9 | 4   | 1.9  | 3   | 0.1  | 7   | 1.7  | 11  | 12.9 |
| 500  | 19218  | 929  | -6  | -16 | 7   | 5.8  | 11  | 21.2 | 13  | 41.6 | 8   | 6.4  | 6   | 2.5  | 7   | 4.0  | 6   | 4.5  |
| 400  | 24850  | 1276 | -16 | -30 | 9   | 4.5  | 14  | 24.0 | 16  | 46.9 | 8   | 4.1  | 7   | 2.2  | 8   | 2.5  | 11  | 2.0  |
| 300  | 31756  | 1691 | -32 | -45 | 10  | 4.0  | 14  | 15.4 | 18  | 47.0 | 12  | 4.9  | 9   | 3.0  | 7   | 3.7  | 12  | 2.9  |
| 250  | 35892  | 1893 | -42 | .   | 13  | 4.3  | 14  | 13.8 | 22  | 39.6 | 20  | 26.7 | 13  | 1.9  | 11  | 2.2  | 14  | 3.5  |
| 200  | 40735  | 2073 | -54 | .   | 9   | 3.2  | 14  | 9.8  | 24  | 39.6 | 12  | 7.0  | 12  | 4.0  | 15  | 2.7  | 20  | 2.5  |
| 150  | 46626  | 1979 | -68 | .   | 10  | 4.3  | 12  | 10.4 | 26  | 38.7 | 25  | 21.1 | 12  | 6.1  | 14  | 7.9  | 15  | 4.6  |
| 100  | 54387  | 1304 | -77 | .   | 9   | 4.6  | 13  | 10.4 | 18  | 35.9 | 8   | 3.5  | 10  | 7.4  | 16  | 13.7 | 10  | 6.7  |
| 70   | 61066  | 562  | -76 | .   | 8   | 8.4  | 11  | 12.1 | 15  | 21.8 | 9   | 7.8  | 12  | 12.3 | 15  | 14.1 | 11  | 7.7  |
| 50   | 67530  | 23   | -66 | .   | 11  | 4.9  | 11  | 4.1  | 30  | 28.5 | 28  | 9.8  | 14  | 11.1 | 18  | 25.6 | 17  | 11.2 |
| 30   | 77755  | -489 | -58 | .   | 10  | 3.3  | 10  | 2.9  | 45  | 45.3 | 56  | 6.1  | 18  | 5.6  | 24  | 22.4 | 32  | 13.0 |
| 20   | 86332  | -549 | -53 | .   | 17  | 0.1  | 10  | 1.5  | 29  | 34.1 | 60  | 3.6  | 7   | 0.1  | 32  | 4.1  | 39  | 5.9  |
| 10   | 101326 | -559 | -44 | .   | 33  | 0.3  | 20  | 3.2  | 59  | 68.3 | 120 | 7.4  | 15  | 0.3  | 64  | 8.3  | 78  | 11.9 |

JAN Latitude=-2.50 Longitude= 42.50

| IVL  | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |      | S     |     | SW    |      | W     |      | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 24  | 12    | 0.3  | 13    | 59.3 | 10    | 38.3 | 7     | 1.9  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 282    | -82  | 26  | 23  | 11    | 0.8  | 14    | 71.2 | 12    | 26.7 | 7     | 1.1  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4929   | 149  | 19  | 10  | 13    | 22.0 | 13    | 54.6 | 11    | 18.7 | 7     | 1.4  | 6     | 0.8 | 0     | 0.0  | 2     | 0.1  | 6     | 1.7  |
| 700  | 10310  | 428  | 10  | 0   | 10    | 25.9 | 7     | 13.5 | 7     | 13.8 | 7     | 9.0  | 5     | 6.4 | 4     | 3.5  | 6     | 8.3  | 10    | 17.5 |
| 500  | 19217  | 928  | -6  | -15 | 7     | 6.7  | 11    | 19.8 | 14    | 38.5 | 11    | 14.9 | 8     | 7.2 | 8     | 4.5  | 9     | 3.8  | 7     | 3.7  |
| 400  | 24851  | 1277 | -16 | -28 | 9     | 5.6  | 14    | 23.7 | 17    | 42.4 | 12    | 13.5 | 8     | 5.8 | 8     | 3.0  | 9     | 2.2  | 9     | 2.9  |
| 300  | 31758  | 1693 | -32 | -43 | 11    | 6.1  | 16    | 20.1 | 19    | 42.0 | 16    | 15.1 | 10    | 4.1 | 8     | 4.0  | 9     | 3.0  | 11    | 4.1  |
| 250  | 35892  | 1893 | -42 | .   | 12    | 5.8  | 17    | 17.2 | 22    | 40.9 | 21    | 20.8 | 11    | 5.1 | 10    | 2.7  | 12    | 2.9  | 16    | 4.1  |
| 200  | 40734  | 2072 | -54 | .   | 12    | 5.3  | 17    | 10.8 | 25    | 39.9 | 26    | 23.3 | 10    | 6.9 | 12    | 2.2  | 13    | 5.6  | 15    | 5.3  |
| 150  | 46625  | 1978 | -68 | .   | 13    | 7.4  | 15    | 10.9 | 29    | 34.6 | 23    | 18.0 | 10    | 5.1 | 10    | 5.1  | 15    | 10.4 | 15    | 7.5  |
| 100  | 54385  | 1302 | -77 | .   | 12    | 5.3  | 13    | 12.4 | 18    | 34.3 | 14    | 14.1 | 8     | 5.8 | 10    | 7.4  | 17    | 11.9 | 11    | 8.3  |
| 70   | 61068  | 564  | -76 | .   | 9     | 7.8  | 12    | 13.7 | 16    | 23.1 | 13    | 13.7 | 10    | 8.4 | 13    | 10.2 | 14    | 14.8 | 12    | 7.1  |
| 50   | 67532  | 25   | -66 | .   | 17    | 4.1  | 15    | 8.2  | 31    | 27.0 | 22    | 10.4 | 10    | 5.4 | 15    | 9.3  | 19    | 22.9 | 19    | 11.9 |
| 30   | 77750  | -494 | -58 | .   | 13    | 4.3  | 31    | 5.6  | 46    | 44.5 | 42    | 4.9  | 7     | 1.6 | 17    | 6.6  | 24    | 20.4 | 39    | 11.7 |
| 20   | 86323  | -558 | -53 | .   | 10    | 0.4  | 10    | 1.2  | 32    | 36.5 | 31    | 1.4  | 0     | 0.0 | 0     | 0.0  | 33    | 4.3  | 46    | 5.7  |
| 10   | 101328 | -557 | -44 | .   | 20    | 0.9  | 20    | 2.5  | 64    | 73.2 | 61    | 2.9  | 0     | 0.0 | 0     | 0.0  | 67    | 8.7  | 93    | 11.6 |

JAN Latitude=-2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 12                | 8.0             | 11                 | 79.3             | 8                 | 10.9            | 5                  | 1.2              | 5                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 290         | -74          | 26         | 23         | 14                | 5.6             | 14                 | 82.5             | 11                | 10.8            | 6                  | 0.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4931        | 151          | 19         | 11         | 12                | 9.8             | 12                 | 45.3             | 10                | 28.2            | 6                  | 4.6              | 4                 | 3.2             | 5                  | 1.7              | 3                 | 2.2             | 7                  | 4.1              |
| 700         | 10308       | 426          | 10         | -0         | 9                 | 10.4            | 6                  | 8.2              | 7                 | 9.5             | 7                  | 13.5             | 7                 | 14.6            | 7                  | 13.8             | 9                 | 13.0            | 9                  | 15.1             |
| 500         | 19216       | 927          | -6         | -15        | 8                 | 7.7             | 11                 | 19.9             | 13                | 36.6            | 11                 | 15.8             | 8                 | 5.6             | 10                 | 5.4              | 10                | 4.3             | 9                  | 3.7              |
| 400         | 24849       | 1275         | -16        | -28        | 10                | 6.2             | 15                 | 23.7             | 17                | 39.0            | 11                 | 14.1             | 9                 | 5.6             | 9                  | 3.7              | 10                | 3.3             | 9                  | 3.3              |
| 300         | 31757       | 1692         | -32        | -42        | 12                | 7.5             | 17                 | 19.9             | 19                | 41.1            | 16                 | 13.0             | 11                | 4.1             | 7                  | 3.3              | 10                | 6.2             | 9                  | 3.8              |
| 250         | 35892       | 1893         | -42        | .          | 12                | 7.7             | 18                 | 17.5             | 23                | 41.7            | 20                 | 15.8             | 11                | 4.6             | 10                 | 3.0              | 13                | 5.3             | 11                 | 3.8              |
| 200         | 40737       | 2075         | -54        | .          | 14                | 5.8             | 19                 | 12.0             | 26                | 38.2            | 25                 | 20.6             | 11                | 4.9             | 10                 | 4.8              | 15                | 6.4             | 12                 | 6.4              |
| 150         | 46626       | 1979         | -68        | .          | 16                | 10.1            | 17                 | 8.0              | 30                | 35.3            | 22                 | 15.1             | 12                | 5.3             | 10                 | 6.4              | 18                | 9.5             | 16                 | 9.9              |
| 100         | 54379       | 1296         | -77        | .          | 13                | 6.2             | 14                 | 11.6             | 20                | 33.3            | 14                 | 12.9             | 9                 | 6.9             | 12                 | 6.6              | 17                | 13.5            | 12                 | 8.5              |
| 70          | 61066       | 562          | -75        | .          | 11                | 8.9             | 13                 | 14.3             | 17                | 22.9            | 12                 | 13.7             | 11                | 7.3             | 13                 | 10.3             | 14                | 13.6            | 13                 | 8.4              |
| 50          | 67534       | 27           | -66        | .          | 16                | 7.0             | 22                 | 9.1              | 31                | 27.5            | 21                 | 8.8              | 13                | 5.9             | 14                 | 10.3             | 19                | 20.6            | 22                 | 9.8              |
| 30          | 77759       | -485         | -58        | .          | 14                | 5.1             | 35                 | 9.9              | 47                | 41.9            | 25                 | 4.9              | 10                | 2.7             | 16                 | 7.9              | 27                | 16.1            | 43                 | 10.9             |
| 20          | 86335       | -546         | -53        | .          | 8                 | 0.2             | 9                  | 1.4              | 32                | 36.7            | 7                  | 1.2              | 4                 | 0.1             | 0                  | 0.0              | 36                | 4.3             | 52                 | 5.5              |
| 10          | 101330      | -555         | -44        | .          | 17                | 0.6             | 18                 | 2.9              | 65                | 73.5            | 14                 | 2.5              | 9                 | 0.3             | 0                  | 0.0              | 73                | 8.7             | 104                | 11.2             |

JAN Latitude= 0.00 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 18         | 6                 | 0.6             | 6                  | 12.9             | 7                 | 54.1            | 6                  | 28.0             | 3                 | 2.2             | 3                  | 0.6              | 0                 | 0.0             | 2                  | 0.3              |
| 1000        | 267         | -97          | 29         | 19         | 5                 | 0.8             | 10                 | 13.5             | 10                | 59.3            | 9                  | 23.2             | 5                 | 1.6             | 6                  | 0.6              | 0                 | 0.0             | 3                  | 0.3              |
| 850         | 4932        | 152          | 19         | 13         | 10                | 2.7             | 12                 | 49.1             | 13                | 46.7            | 8                  | 1.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10313       | 431          | 9          | 1          | 11                | 20.9            | 11                 | 41.7             | 11                | 26.7            | 8                  | 6.2              | 4                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 3.5              |
| 500         | 19217       | 928          | -6         | -17        | 6                 | 6.1             | 11                 | 20.4             | 15                | 52.2            | 10                 | 11.7             | 8                 | 2.9             | 7                  | 2.2              | 7                 | 2.4             | 5                  | 1.1              |
| 400         | 24846       | 1272         | -16        | -30        | 10                | 6.1             | 15                 | 19.5             | 18                | 51.7            | 12                 | 12.4             | 9                 | 3.3             | 6                  | 1.1              | 8                 | 2.2             | 7                  | 3.2              |
| 300         | 31753       | 1688         | -32        | -45        | 11                | 7.4             | 14                 | 17.4             | 19                | 42.0            | 14                 | 17.9             | 8                 | 4.1             | 9                  | 2.5              | 11                | 4.5             | 13                 | 3.3              |
| 250         | 35891       | 1892         | -42        | .          | 12                | 8.5             | 14                 | 13.0             | 22                | 33.2            | 22                 | 23.7             | 11                | 7.4             | 12                 | 4.8              | 13                | 4.0             | 11                 | 4.8              |
| 200         | 40736       | 2074         | -54        | .          | 13                | 7.5             | 14                 | 11.6             | 22                | 26.7            | 26                 | 28.2             | 13                | 6.2             | 11                 | 5.1              | 15                | 5.8             | 12                 | 6.4              |
| 150         | 46626       | 1979         | -68        | .          | 12                | 7.5             | 13                 | 10.1             | 27                | 26.4            | 24                 | 22.2             | 11                | 6.2             | 13                 | 6.4              | 13                | 9.5             | 15                 | 10.6             |
| 100         | 54385       | 1302         | -77        | .          | 10                | 5.6             | 12                 | 9.8              | 16                | 30.8            | 14                 | 18.0             | 7                 | 4.0             | 9                  | 6.9              | 15                | 13.5            | 13                 | 10.6             |
| 70          | 61067       | 563          | -76        | .          | 10                | 7.3             | 11                 | 9.3              | 12                | 16.4            | 13                 | 12.1             | 11                | 10.3            | 12                 | 13.6             | 15                | 20.2            | 12                 | 10.0             |
| 50          | 67535       | 28           | -66        | .          | 10                | 4.0             | 13                 | 7.2              | 30                | 22.0            | 26                 | 11.4             | 9                 | 4.1             | 16                 | 8.5              | 24                | 30.1            | 20                 | 11.9             |
| 30          | 77782       | -462         | -58        | .          | 13                | 2.9             | 17                 | 4.5              | 46                | 43.8            | 27                 | 4.9              | 9                 | 1.4             | 20                 | 6.4              | 27                | 25.3            | 37                 | 10.4             |
| 20          | 86358       | -523         | -53        | .          | 7                 | 1.0             | 9                  | 1.2              | 34                | 33.5            | 19                 | 2.2              | 6                 | 0.4             | 9                  | 0.1              | 37                | 4.5             | 37                 | 6.5              |
| 10          | 101324      | -561         | -44        | .          | 14                | 2.2             | 18                 | 2.5              | 68                | 67.0            | 38                 | 4.5              | 13                | 0.9             | 19                 | 0.3              | 74                | 9.0             | 74                 | 13.2             |

JAN Latitude= 0.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 20         | 0                 | 0.0             | 10                 | 5.1              | 10                | 87.4            | 8                  | 7.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 273         | -91          | 27         | 21         | 0                 | 0.0             | 13                 | 24.0             | 15                | 74.1            | 11                 | 1.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4930        | 150          | 19         | 10         | 16                | 3.8             | 17                 | 68.7             | 16                | 26.7            | 6                  | 0.4              | 5                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10309       | 427          | 9          | -0         | 11                | 23.5            | 10                 | 32.9             | 9                 | 23.8            | 8                  | 10.4             | 6                 | 1.9             | 3                  | 0.0              | 5                 | 0.4             | 7                  | 4.9              |
| 500         | 19216       | 927          | -6         | -16        | 7                 | 4.3             | 12                 | 20.3             | 15                | 50.9            | 11                 | 10.8             | 8                 | 4.9             | 7                  | 3.7              | 10                | 2.2             | 9                  | 2.0              |
| 400         | 24848       | 1274         | -16        | -29        | 9                 | 6.2             | 16                 | 22.7             | 18                | 47.0            | 11                 | 11.2             | 8                 | 4.1             | 9                  | 2.2              | 8                 | 3.0             | 11                 | 2.9              |
| 300         | 31756       | 1691         | -32        | -44        | 11                | 9.3             | 15                 | 19.6             | 19                | 39.9            | 15                 | 14.3             | 10                | 2.5             | 10                 | 2.5              | 9                 | 5.6             | 13                 | 4.8              |
| 250         | 35891       | 1892         | -42        | .          | 12                | 9.6             | 16                 | 14.6             | 23                | 34.1            | 22                 | 19.8             | 13                | 4.0             | 10                 | 4.9              | 14                | 4.3             | 14                 | 8.2              |
| 200         | 40734       | 2072         | -54        | .          | 15                | 8.2             | 16                 | 11.7             | 24                | 26.7            | 27                 | 24.1             | 13                | 7.0             | 12                 | 4.3              | 16                | 6.9             | 14                 | 10.3             |
| 150         | 46624       | 1977         | -68        | .          | 15                | 10.3            | 15                 | 9.9              | 27                | 25.9            | 24                 | 19.1             | 11                | 5.4             | 14                 | 4.8              | 15                | 11.7            | 18                 | 12.2             |
| 100         | 54387       | 1304         | -77        | .          | 12                | 4.8             | 13                 | 11.4             | 16                | 28.3            | 13                 | 18.8             | 9                 | 4.6             | 11                 | 6.1              | 17                | 13.2            | 13                 | 11.4             |
| 70          | 61069       | 565          | -76        | .          | 11                | 6.0             | 11                 | 12.5             | 14                | 15.0            | 12                 | 14.3             | 11                | 11.4            | 15                 | 10.9             | 16                | 17.3            | 12                 | 11.8             |
| 50          | 67532       | 25           | -66        | .          | 12                | 4.5             | 17                 | 9.8              | 31                | 21.2            | 19                 | 10.1             | 13                | 5.6             | 17                 | 11.4             | 25                | 27.0            | 25                 | 9.1              |
| 30          | 77758       | -486         | -58        | .          | 14                | 3.8             | 29                 | 9.1              | 45                | 39.8            | 21                 | 4.1              | 10                | 1.7             | 17                 | 10.9             | 29                | 19.5            | 45                 | 10.4             |
| 20          | 86335       | -546         | -53        | .          | 9                 | 0.4             | 10                 | 0.7              | 32                | 34.3            | 8                  | 2.2              | 8                 | 0.2             | 2                  | 0.2              | 30                | 4.5             | 44                 | 6.8              |
| 10          | 101323      | -562         | -44        | .          | 19                | 0.9             | 19                 | 1.6              | 64                | 68.7            | 16                 | 4.5              | 16                | 0.6             | 3                  | 0.6              | 59                | 9.0             | 88                 | 13.8             |

JAN Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 24         | 0                 | 0.0             | 14                 | 78.3             | 12                | 21.2            | 5                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 293         | -71          | 26         | 22         | 13                | 0.1             | 17                 | 77.9             | 15                | 21.7            | 6                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4928        | 148          | 19         | 9          | 14                | 4.1             | 17                 | 58.0             | 16                | 36.4            | 5                  | 0.8              | 7                 | 0.3             | 8                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10306       | 424          | 10         | -1         | 9                 | 15.3            | 9                  | 22.4             | 9                 | 23.3            | 8                  | 16.9             | 6                 | 5.4             | 6                  | 4.1              | 5                 | 5.3             | 7                  | 5.4              |
| 500         | 19215       | 926          | -6         | -16        | 9                 | 5.1             | 13                 | 21.1             | 15                | 47.0            | 10                 | 12.0             | 7                 | 4.5             | 9                  | 4.0              | 8                 | 3.3             | 7                  | 2.0              |
| 400         | 24848       | 1274         | -16        | -29        | 11                | 4.5             | 16                 | 24.0             | 18                | 45.3            | 12                 | 9.8              | 7                 | 4.3             | 9                  | 4.1              | 9                 | 3.7             | 9                  | 3.8              |
| 300         | 31756       | 1691         | -32        | -44        | 11                | 9.8             | 16                 | 21.7             | 19                | 38.2            | 17                 | 10.9             | 10                | 3.3             | 10                 | 4.3              | 12                | 5.9             | 13                 | 4.8              |
| 250         | 35892       | 1893         | -42        | .          | 12                | 9.8             | 17                 | 14.8             | 23                | 36.1            | 23                 | 15.3             | 12                | 4.3             | 10                 | 4.3              | 13                | 6.9             | 14                 | 7.5              |
| 200         | 40737       | 2075         | -54        | .          | 14                | 9.9             | 18                 | 11.2             | 26                | 27.5            | 26                 | 22.7             | 10                | 4.1             | 11                 | 4.8              | 17                | 9.8             | 17                 | 9.1              |
| 150         | 46626       | 1979         | -68        | .          | 19                | 10.8            | 15                 | 10.9             | 28                | 27.2            | 23                 | 16.4             | 13                | 4.8             | 12                 | 5.4              | 18                | 12.0            | 20                 | 12.0             |
| 100         | 54386       | 1303         | -77        | .          | 13                | 7.9             | 13                 | 12.2             | 18                | 27.4            | 13                 | 16.6             | 9                 | 6.6             | 12                 | 6.1              | 18                | 12.2            | 15                 | 10.3             |
| 70          | 61071       | 567          | -76        | .          | 12                | 7.8             | 12                 | 13.7             | 15                | 17.3            | 12                 | 13.7             | 12                | 8.7             | 17                 | 10.7             | 15                | 16.4            | 15                 | 10.5             |
| 50          | 67536       | 29           | -66        | .          | 17                | 5.1             | 19                 | 9.5              | 30                | 21.4            | 16                 | 11.9             | 13                | 5.9             | 18                 | 11.6             | 25                | 24.6            | 25                 | 9.6              |
| 30          | 77756       | -488         | -58        | .          | 17                | 3.7             | 32                 | 10.8             | 44                | 38.5            | 16                 | 4.8              | 10                | 3.8             | 19                 | 10.1             | 29                | 18.5            | 50                 | 9.5              |
| 20          | 86333       | -548         | -53        | .          | 10                | 0.2             | 11                 | 0.7              | 29                | 34.6            | 7                  | 2.0              | 6                 | 0.5             | 9                  | 0.5              | 31                | 4.3             | 49                 | 6.4              |
| 10          | 101325      | -560         | -44        | .          | 21                | 0.6             | 22                 | 1.6              | 59                | 69.3            | 15                 | 4.1              | 12                | 1.2             | 18                 | 1.2              | 62                | 8.7             | 99                 | 12.9             |

JAN Latitude= 2.50 Longitude= 40.00

| IVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 15  | 0     | 0.0  | 7     | 4.8  | 6     | 55.4 | 6     | 36.7 | 4     | 2.5 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 286    | -78  | 29  | 18  | 11    | 0.3  | 11    | 6.7  | 10    | 56.9 | 9     | 33.7 | 5     | 2.2 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4931   | 151  | 20  | 13  | 7     | 0.1  | 13    | 11.7 | 14    | 81.1 | 12    | 6.9  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10314  | 432  | 9   | 2   | 11    | 6.2  | 15    | 49.1 | 13    | 34.3 | 12    | 8.8  | 4     | 0.4 | 0     | 0.0  | 4     | 0.1  | 8     | 0.4  |
| 500  | 19221  | 932  | -6  | -18 | 8     | 3.8  | 11    | 15.4 | 16    | 61.7 | 10    | 9.0  | 8     | 3.3 | 8     | 1.2  | 7     | 3.2  | 5     | 1.6  |
| 400  | 24847  | 1273 | -16 | -30 | 12    | 4.5  | 15    | 19.9 | 18    | 48.8 | 12    | 13.7 | 8     | 2.9 | 9     | 1.9  | 8     | 3.2  | 9     | 4.0  |
| 300  | 31749  | 1684 | -32 | -45 | 12    | 10.3 | 14    | 14.8 | 19    | 39.0 | 15    | 13.8 | 10    | 3.5 | 10    | 4.1  | 14    | 7.2  | 13    | 6.6  |
| 250  | 35891  | 1892 | -42 | .   | 14    | 8.5  | 15    | 8.7  | 21    | 28.7 | 21    | 22.5 | 12    | 5.1 | 13    | 7.5  | 14    | 6.2  | 14    | 11.9 |
| 200  | 40739  | 2077 | -54 | .   | 15    | 8.7  | 13    | 8.5  | 22    | 18.5 | 26    | 25.6 | 13    | 6.6 | 12    | 7.0  | 15    | 11.1 | 15    | 13.3 |
| 150  | 46630  | 1983 | -68 | .   | 14    | 9.6  | 14    | 7.5  | 25    | 20.9 | 25    | 20.9 | 12    | 6.6 | 11    | 7.2  | 14    | 14.9 | 18    | 14.1 |
| 100  | 54377  | 1294 | -77 | .   | 13    | 6.6  | 12    | 8.8  | 17    | 26.7 | 15    | 19.1 | 11    | 8.2 | 11    | 5.8  | 14    | 11.1 | 14    | 13.2 |
| 70   | 61063  | 559  | -76 | .   | 10    | 7.7  | 12    | 8.9  | 16    | 18.4 | 13    | 12.5 | 11    | 9.6 | 13    | 14.1 | 16    | 18.8 | 15    | 9.1  |
| 50   | 67540  | 33   | -66 | .   | 11    | 6.2  | 15    | 10.4 | 26    | 20.6 | 20    | 9.9  | 11    | 4.5 | 16    | 9.6  | 26    | 28.8 | 24    | 9.3  |
| 30   | 77809  | -435 | -58 | .   | 15    | 3.3  | 19    | 10.3 | 40    | 37.5 | 20    | 7.5  | 11    | 1.2 | 19    | 6.4  | 29    | 22.0 | 35    | 10.9 |
| 20   | 86393  | -488 | -53 | .   | 8     | 0.7  | 6     | 1.5  | 29    | 28.5 | 11    | 2.6  | 5     | 1.2 | 7     | 1.0  | 31    | 5.9  | 30    | 7.8  |
| 10   | 101340 | -545 | -44 | .   | 16    | 1.6  | 13    | 3.2  | 58    | 57.0 | 22    | 5.4  | 11    | 2.5 | 14    | 2.2  | 63    | 11.9 | 61    | 15.8 |

JAN Latitude= 2.50 Longitude= 42.50

| IVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 17  | 0     | 0.0  | 8     | 17.4 | 8     | 74.8 | 7     | 7.4  | 6     | 0.3 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 281    | -83  | 29  | 18  | 0     | 0.0  | 12    | 18.2 | 12    | 75.6 | 10    | 5.9  | 9     | 0.1 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4935   | 155  | 19  | 12  | 0     | 0.0  | 17    | 53.5 | 16    | 45.8 | 7     | 0.6  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10313  | 431  | 9   | 1   | 11    | 10.6 | 13    | 46.7 | 12    | 32.2 | 10    | 8.3  | 5     | 0.6 | 3     | 0.6  | 0     | 0.0  | 9     | 0.4  |
| 500  | 19217  | 928  | -6  | -18 | 9     | 4.1  | 13    | 18.5 | 16    | 59.8 | 10    | 7.7  | 9     | 2.5 | 8     | 2.5  | 9     | 3.0  | 5     | 1.1  |
| 400  | 24847  | 1273 | -16 | -30 | 10    | 5.6  | 16    | 21.1 | 19    | 47.0 | 13    | 12.2 | 7     | 2.4 | 10    | 3.7  | 9     | 3.2  | 11    | 4.3  |
| 300  | 31753  | 1688 | -32 | -45 | 13    | 10.4 | 15    | 18.0 | 24    | 20.9 | 16    | 13.7 | 8     | 3.3 | 14    | 2.9  | 12    | 8.0  | 15    | 7.4  |
| 250  | 35892  | 1893 | -42 | .   | 14    | 10.4 | 16    | 11.2 | 21    | 29.0 | 22    | 19.3 | 11    | 4.8 | 13    | 5.1  | 15    | 9.0  | 17    | 10.4 |
| 200  | 40739  | 2077 | -54 | .   | 15    | 11.4 | 15    | 8.2  | 24    | 21.4 | 26    | 21.2 | 14    | 6.1 | 10    | 6.7  | 16    | 11.7 | 15    | 12.9 |
| 150  | 46629  | 1982 | -68 | .   | 17    | 11.4 | 15    | 7.2  | 26    | 21.4 | 23    | 18.0 | 11    | 7.2 | 13    | 5.6  | 16    | 12.4 | 19    | 16.4 |
| 100  | 54384  | 1301 | -77 | .   | 12    | 7.5  | 12    | 9.6  | 16    | 25.3 | 15    | 19.1 | 12    | 6.9 | 11    | 6.7  | 15    | 12.2 | 16    | 11.9 |
| 70   | 61070  | 566  | -76 | .   | 12    | 5.1  | 12    | 10.9 | 15    | 16.8 | 13    | 12.5 | 12    | 9.6 | 15    | 14.5 | 16    | 17.9 | 15    | 11.2 |
| 50   | 67537  | 30   | -66 | .   | 13    | 4.8  | 17    | 10.3 | 23    | 23.7 | 17    | 6.6  | 12    | 6.4 | 18    | 12.2 | 27    | 25.9 | 26    | 9.6  |
| 30   | 77787  | -457 | -58 | .   | 16    | 4.6  | 24    | 9.5  | 36    | 38.5 | 16    | 5.8  | 15    | 1.7 | 21    | 10.6 | 29    | 18.5 | 44    | 10.4 |
| 20   | 86367  | -514 | -53 | .   | 8     | 0.5  | 9     | 2.2  | 25    | 28.8 | 11    | 1.8  | 6     | 1.4 | 7     | 1.7  | 24    | 5.7  | 40    | 7.2  |
| 10   | 101340 | -545 | -44 | .   | 15    | 1.2  | 18    | 4.5  | 50    | 57.7 | 22    | 3.8  | 12    | 2.9 | 14    | 3.5  | 49    | 11.6 | 81    | 14.5 |

JAN Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 19  | 0     | 0.0  | 12    | 41.2 | 12    | 57.7 | 8     | 0.9  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 293    | -71  | 27  | 19  | 0     | 0.0  | 15    | 42.9 | 15    | 56.6 | 11    | 0.4  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4932   | 152  | 18  | 10  | 0     | 0.0  | 20    | 65.6 | 18    | 33.8 | 7     | 0.3  | 4     | 0.1  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10307  | 425  | 10  | -1  | 9     | 8.2  | 12    | 40.3 | 12    | 35.3 | 9     | 10.8 | 4     | 2.2  | 4     | 0.9  | 4     | 0.1  | 6     | 1.4  |
| 500  | 19215  | 926  | -6  | -17 | 9     | 4.1  | 14    | 21.1 | 17    | 54.1 | 11    | 8.8  | 7     | 2.9  | 8     | 3.2  | 10    | 3.5  | 6     | 1.2  |
| 400  | 24847  | 1273 | -16 | -30 | 10    | 5.8  | 16    | 23.2 | 20    | 44.8 | 14    | 9.9  | 10    | 1.9  | 11    | 4.3  | 12    | 4.0  | 10    | 4.8  |
| 300  | 31755  | 1690 | -32 | -45 | 12    | 11.4 | 16    | 19.8 | 18    | 34.6 | 15    | 11.2 | 12    | 3.3  | 11    | 3.7  | 14    | 7.7  | 15    | 7.0  |
| 250  | 35893  | 1894 | -42 | .   | 14    | 10.3 | 17    | 13.8 | 21    | 26.9 | 23    | 17.5 | 11    | 4.1  | 13    | 5.6  | 15    | 9.6  | 18    | 11.6 |
| 200  | 40739  | 2077 | -54 | .   | 15    | 9.8  | 16    | 9.9  | 24    | 20.9 | 26    | 19.9 | 15    | 6.1  | 11    | 5.6  | 17    | 12.9 | 19    | 14.3 |
| 150  | 46627  | 1980 | -68 | .   | 17    | 10.6 | 16    | 9.3  | 27    | 21.1 | 24    | 15.1 | 12    | 8.7  | 12    | 5.6  | 18    | 12.7 | 22    | 16.2 |
| 100  | 54385  | 1302 | -77 | .   | 12    | 9.0  | 12    | 10.3 | 17    | 26.1 | 15    | 15.3 | 10    | 6.7  | 12    | 7.7  | 15    | 13.3 | 17    | 10.3 |
| 70   | 61072  | 568  | -76 | .   | 13    | 7.3  | 12    | 10.0 | 16    | 18.4 | 13    | 10.3 | 12    | 10.0 | 16    | 15.4 | 16    | 15.4 | 15    | 12.7 |
| 50   | 67537  | 30   | -66 | .   | 15    | 4.8  | 19    | 11.2 | 22    | 19.9 | 16    | 9.3  | 12    | 6.1  | 19    | 13.3 | 27    | 24.8 | 28    | 9.6  |
| 30   | 77770  | -474 | -58 | .   | 17    | 4.0  | 30    | 11.7 | 34    | 35.3 | 15    | 6.9  | 13    | 3.3  | 20    | 11.6 | 30    | 17.5 | 50    | 9.1  |
| 20   | 86347  | -534 | -53 | .   | 5     | 0.7  | 19    | 3.0  | 22    | 27.5 | 8     | 3.0  | 6     | 1.2  | 9     | 2.8  | 28    | 4.3  | 45    | 6.7  |
| 10   | 101333 | -552 | -44 | .   | 10    | 1.6  | 39    | 6.1  | 43    | 55.1 | 17    | 6.1  | 13    | 2.5  | 18    | 5.8  | 55    | 8.7  | 91    | 13.5 |

JAN Latitude= 5.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 22  | 10  | 6     | 1.9  | 5     | 23.2 | 6     | 49.6 | 6     | 24.8 | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 354    | -10  | 28  | 18  | 8     | 2.4  | 8     | 15.6 | 10    | 50.3 | 9     | 29.9 | 4     | 0.9 | 4     | 0.3  | 2     | 0.1  | 4     | 0.1  |
| 850  | 4933   | 153  | 21  | 12  | 13    | 0.3  | 11    | 12.2 | 11    | 61.1 | 10    | 25.1 | 3     | 0.4 | 3     | 0.3  | 0     | 0.0  | 4     | 0.1  |
| 700  | 10322  | 440  | 9   | 3   | 9     | 2.9  | 13    | 38.0 | 15    | 48.3 | 15    | 8.8  | 3     | 0.4 | 0     | 0.0  | 1     | 0.1  | 7     | 0.8  |
| 500  | 19226  | 937  | -6  | -19 | 9     | 2.7  | 12    | 15.8 | 17    | 62.0 | 12    | 11.4 | 7     | 1.9 | 8     | 1.7  | 6     | 2.2  | 6     | 1.6  |
| 400  | 24861  | 1287 | -16 | -31 | 12    | 5.4  | 13    | 18.5 | 18    | 47.7 | 13    | 13.8 | 8     | 2.5 | 8     | 3.7  | 9     | 3.3  | 10    | 4.5  |
| 300  | 31745  | 1680 | -32 | -46 | 14    | 11.1 | 14    | 14.9 | 19    | 30.9 | 16    | 15.8 | 10    | 3.8 | 13    | 5.1  | 17    | 8.3  | 16    | 9.0  |
| 250  | 35894  | 1895 | -42 | .   | 14    | 9.6  | 14    | 10.4 | 20    | 21.4 | 21    | 20.6 | 13    | 6.1 | 15    | 7.7  | 18    | 11.4 | 18    | 12.2 |
| 200  | 40742  | 2080 | -54 | .   | 13    | 9.9  | 15    | 8.2  | 18    | 13.8 | 25    | 22.2 | 12    | 5.8 | 14    | 7.9  | 19    | 17.4 | 18    | 14.1 |
| 150  | 46635  | 1988 | -68 | .   | 16    | 9.5  | 13    | 6.4  | 20    | 14.5 | 24    | 19.8 | 12    | 9.0 | 12    | 7.9  | 18    | 17.2 | 20    | 15.4 |
| 100  | 54362  | 1279 | -77 | .   | 15    | 7.7  | 14    | 9.6  | 18    | 21.9 | 17    | 19.0 | 11    | 8.7 | 11    | 6.2  | 16    | 12.2 | 17    | 14.3 |
| 70   | 61045  | 541  | -75 | .   | 11    | 5.9  | 12    | 12.0 | 16    | 21.6 | 12    | 9.8  | 11    | 8.2 | 14    | 12.5 | 17    | 16.6 | 16    | 12.5 |
| 50   | 67543  | 36   | -66 | .   | 13    | 7.0  | 16    | 12.9 | 20    | 19.3 | 13    | 7.7  | 12    | 5.4 | 15    | 9.1  | 22    | 25.4 | 24    | 12.2 |
| 30   | 77836  | -408 | -58 | .   | 16    | 5.9  | 19    | 10.4 | 28    | 35.3 | 19    | 6.4  | 13    | 2.4 | 17    | 7.0  | 27    | 18.7 | 33    | 13.3 |
| 20   | 86428  | -453 | -53 | .   | 5     | 1.2  | 9     | 3.1  | 16    | 21.0 | 12    | 3.0  | 6     | 1.5 | 8     | 2.8  | 23    | 7.2  | 29    | 9.5  |
| 10   | 101358 | -527 | -44 | .   | 10    | 2.5  | 18    | 6.4  | 31    | 42.2 | 24    | 6.1  | 13    | 3.2 | 16    | 5.8  | 45    | 14.5 | 58    | 19.0 |

JAN Latitude= 5.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 13         | 8                 | 0.6             | 8                  | 19.0             | 7                 | 68.7            | 7                  | 11.6             | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 306         | -58          | 29         | 17         | 11                | 0.8             | 11                 | 15.6             | 10                | 68.0            | 9                  | 15.1             | 3                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 1                  | 0.1              |
| 850         | 4943        | 163          | 20         | 12         | 17                | 0.1             | 14                 | 31.1             | 14                | 64.9            | 11                 | 3.7              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10319       | 437          | 9          | 0          | 10                | 7.5             | 14                 | 49.8             | 14                | 32.7            | 13                 | 8.2              | 7                 | 0.8             | 4                  | 0.1              | 6                 | 0.1             | 5                  | 0.4              |
| 500         | 19226       | 937          | -5         | -20        | 9                 | 3.3             | 13                 | 18.7             | 18                | 59.1            | 12                 | 9.9              | 9                 | 1.4             | 8                  | 2.2              | 9                 | 3.2             | 7                  | 1.2              |
| 400         | 24853       | 1279         | -16        | -32        | 12                | 6.7             | 15                 | 21.7             | 20                | 42.9            | 13                 | 12.7             | 7                 | 2.2             | 9                  | 3.7              | 11                | 4.3             | 11                 | 4.9              |
| 300         | 31754       | 1689         | -32        | -46        | 13                | 13.8            | 15                 | 16.2             | 19                | 31.2            | 15                 | 11.6             | 12                | 3.8             | 12                 | 4.6              | 16                | 9.6             | 18                 | 8.7              |
| 250         | 35894       | 1895         | -42        | .          | 15                | 9.3             | 16                 | 10.8             | 20                | 21.7            | 20                 | 17.4             | 15                | 5.8             | 14                 | 6.2              | 16                | 12.7            | 19                 | 15.4             |
| 200         | 40742       | 2080         | -54        | .          | 15                | 9.5             | 14                 | 7.0              | 19                | 15.6            | 25                 | 19.3             | 16                | 7.0             | 12                 | 6.7              | 18                | 16.9            | 21                 | 17.2             |
| 150         | 46633       | 1986         | -68        | .          | 18                | 9.3             | 14                 | 6.2              | 22                | 14.3            | 24                 | 19.0             | 13                | 8.0             | 13                 | 9.5              | 18                | 13.2            | 23                 | 20.1             |
| 100         | 54377       | 1294         | -77        | .          | 12                | 6.9             | 12                 | 9.6              | 16                | 23.2            | 17                 | 18.2             | 10                | 8.2             | 14                 | 6.2              | 16                | 13.0            | 20                 | 14.0             |
| 70          | 61065       | 561          | -76        | .          | 12                | 5.3             | 14                 | 10.5             | 16                | 22.5            | 12                 | 9.3              | 12                | 8.7             | 16                 | 13.4             | 17                | 18.6            | 16                 | 11.1             |
| 50          | 67543       | 36           | -66        | .          | 14                | 6.7             | 16                 | 12.4             | 18                | 19.9            | 11                 | 6.7              | 13                | 6.1             | 19                 | 12.4             | 23                | 24.5            | 27                 | 10.8             |
| 30          | 77819       | -425         | -58        | .          | 19                | 4.9             | 22                 | 10.8             | 27                | 33.5            | 16                 | 7.4              | 14                | 3.0             | 20                 | 10.3             | 27                | 17.2            | 38                 | 12.2             |
| 20          | 86403       | -478         | -53        | .          | 9                 | 0.7             | 11                 | 3.5              | 14                | 19.3            | 9                  | 3.0              | 5                 | 2.8             | 10                 | 3.3              | 18                | 7.0             | 32                 | 9.6              |
| 10          | 101358      | -527         | -44        | .          | 18                | 1.6             | 23                 | 7.0              | 27                | 38.7            | 18                 | 6.1              | 11                | 5.8             | 20                 | 6.7              | 37                | 14.1            | 65                 | 19.3             |

JAN Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 16         | 0                 | 0.0             | 10                 | 13.5             | 10                | 85.8            | 9                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 312         | -52          | 28         | 18         | 0                 | 0.0             | 13                 | 14.6             | 13                | 82.4            | 9                  | 2.9              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4942        | 162          | 18         | 11         | 0                 | 0.0             | 18                 | 48.3             | 17                | 51.1            | 10                 | 0.4              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10313       | 431          | 9          | -0         | 10                | 5.3             | 14                 | 45.1             | 14                | 39.0            | 11                 | 8.7              | 6                 | 1.4             | 8                  | 0.1              | 0                 | 0.0             | 5                  | 0.1              |
| 500         | 19224       | 935          | -5         | -19        | 8                 | 4.6             | 14                 | 19.5             | 18                | 58.0            | 11                 | 8.2              | 11                | 1.7             | 8                  | 2.2              | 10                | 3.8             | 8                  | 1.4              |
| 400         | 24852       | 1278         | -16        | -31        | 13                | 6.9             | 16                 | 22.5             | 21                | 42.7            | 15                 | 9.9              | 11                | 2.4             | 11                 | 3.7              | 13                | 5.1             | 11                 | 6.1              |
| 300         | 31756       | 1691         | -32        | -46        | 14                | 13.8            | 16                 | 16.9             | 19                | 29.9            | 14                 | 10.8             | 9                 | 4.3             | 12                 | 5.3              | 16                | 9.0             | 16                 | 9.3              |
| 250         | 35895       | 1896         | -42        | .          | 16                | 10.3            | 17                 | 11.6             | 20                | 20.8            | 20                 | 16.4             | 16                | 6.2             | 15                 | 5.1              | 17                | 13.3            | 18                 | 15.4             |
| 200         | 40741       | 2079         | -54        | .          | 18                | 7.5             | 15                 | 8.7              | 21                | 15.1            | 25                 | 19.6             | 15                | 5.6             | 13                 | 7.9              | 19                | 16.7            | 20                 | 18.2             |
| 150         | 46630       | 1983         | -68        | .          | 16                | 10.8            | 15                 | 7.5              | 23                | 16.6            | 26                 | 15.1             | 12                | 8.2             | 14                 | 8.2              | 19                | 14.1            | 24                 | 19.1             |
| 100         | 54381       | 1298         | -77        | .          | 12                | 7.2             | 12                 | 10.1             | 17                | 23.3            | 17                 | 15.8             | 11                | 6.9             | 13                 | 7.9              | 15                | 15.9            | 21                 | 12.2             |
| 70          | 61069       | 565          | -76        | .          | 12                | 8.0             | 14                 | 10.7             | 16                | 22.5            | 13                 | 8.0              | 13                | 8.0             | 19                 | 15.5             | 17                | 15.9            | 16                 | 10.7             |
| 50          | 67542       | 35           | -66        | .          | 15                | 5.9             | 18                 | 10.9             | 19                | 19.6            | 12                 | 6.7              | 12                | 5.4             | 20                 | 14.6             | 24                | 25.3            | 26                 | 10.6             |
| 30          | 77801       | -443         | -58        | .          | 18                | 4.1             | 25                 | 13.7             | 29                | 28.7            | 17                 | 7.4              | 10                | 4.9             | 20                 | 12.2             | 28                | 19.1            | 43                 | 9.5              |
| 20          | 86382       | -499         | -53        | .          | 13                | 1.5             | 16                 | 5.4              | 13                | 14.5            | 7                  | 4.1              | 6                 | 3.0             | 11                 | 4.5              | 19                | 8.3             | 34                 | 8.0              |
| 10          | 101351      | -534         | -44        | .          | 25                | 3.2             | 33                 | 10.9             | 26                | 29.0            | 15                 | 8.3              | 12                | 6.1             | 22                 | 9.0              | 38                | 16.7            | 68                 | 16.1             |

FEB Latitude=-2.50 Longitude= 40.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 20         | 0                 | 0.0             | 9                  | 13.4             | 7                 | 67.3            | 5                  | 17.3             | 3                 | 1.7             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 263         | -101         | 28         | 22         | 4                 | 1.2             | 11                 | 27.9             | 10                | 60.7            | 8                  | 8.3              | 4                 | 0.7             | 3                  | 0.3              | 7                 | 0.1             | 3                  | 0.5              |
| 850         | 4922        | 141          | 19         | 12         | 13                | 14.4            | 12                 | 60.7             | 10                | 19.2            | 7                  | 2.6              | 5                 | 1.4             | 3                  | 0.1              | 2                 | 0.1             | 10                 | 0.5              |
| 700         | 10311       | 429          | 10         | -0         | 11                | 28.0            | 10                 | 29.1             | 8                 | 19.2            | 6                  | 6.8              | 4                 | 1.7             | 3                  | 0.7              | 9                 | 2.6             | 9                  | 10.7             |
| 500         | 19219       | 930          | -6         | -17        | 9                 | 4.9             | 12                 | 19.6             | 14                | 39.5            | 10                 | 15.7             | 6                 | 5.8             | 8                  | 3.3              | 9                 | 4.7             | 12                 | 5.8              |
| 400         | 24849       | 1275         | -16        | -30        | 10                | 7.2             | 13                 | 19.6             | 17                | 45.9            | 12                 | 10.7             | 7                 | 2.2             | 9                  | 2.2              | 8                 | 2.4             | 12                 | 9.1              |
| 300         | 31756       | 1691         | -32        | -46        | 9                 | 9.7             | 13                 | 16.6             | 18                | 47.1            | 13                 | 12.8             | 8                 | 3.7             | 8                  | 3.0              | 8                 | 2.6             | 10                 | 3.8              |
| 250         | 35893       | 1894         | -42        | .          | 13                | 7.5             | 14                 | 16.0             | 21                | 38.5            | 18                 | 23.3             | 12                | 4.7             | 9                  | 2.1              | 12                | 1.5             | 11                 | 6.0              |
| 200         | 40739       | 2077         | -54        | .          | 11                | 6.1             | 14                 | 11.4             | 23                | 35.6            | 23                 | 27.0             | 15                | 4.0             | 9                  | 3.8              | 16                | 3.8             | 14                 | 7.7              |
| 150         | 46630       | 1983         | -68        | .          | 11                | 7.4             | 13                 | 10.9             | 23                | 35.3            | 20                 | 18.3             | 10                | 8.3             | 14                 | 6.3              | 12                | 6.7             | 10                 | 6.5              |
| 100         | 54394       | 1311         | -77        | .          | 10                | 7.5             | 11                 | 10.2             | 17                | 29.8            | 10                 | 13.2             | 9                 | 9.8             | 10                 | 11.1             | 13                | 10.0            | 10                 | 7.2              |
| 70          | 61063       | 559          | -76        | .          | 9                 | 4.4             | 14                 | 10.1             | 16                | 26.8            | 12                 | 12.7             | 10                | 9.4             | 12                 | 11.2             | 13                | 16.0            | 10                 | 8.3              |
| 50          | 67531       | 24           | -67        | .          | 14                | 7.0             | 14                 | 9.5              | 23                | 27.3            | 15                 | 7.2              | 10                | 3.7             | 15                 | 7.6              | 25                | 24.2            | 16                 | 13.2             |
| 30          | 77760       | -484         | -59        | .          | 20                | 8.0             | 17                 | 4.8              | 38                | 42.1            | 14                 | 3.7              | 7                 | 0.9             | 18                 | 5.6              | 21                | 20.5            | 28                 | 14.0             |
| 20          | 86333       | -548         | -53        | .          | 17                | 4.1             | 10                 | 2.1              | 17                | 26.2            | 10                 | 2.3              | 11                | 0.6             | 17                 | 1.7              | 24                | 1.2             | 30                 | 11.1             |
| 10          | 101214      | -671         | -43        | .          | 34                | 8.3             | 21                 | 4.3              | 35                | 52.6            | 19                 | 4.8              | 23                | 1.3             | 35                 | 3.5              | 49                | 2.6             | 61                 | 22.3             |

FEB Latitude=-2.50 Longitude= 42.50

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 0                 | 0.0             | 12                 | 45.3             | 10                | 51.7            | 5                  | 2.8              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 271         | -93          | 26         | 23         | 7                 | 2.1             | 13                 | 59.0             | 12                | 35.6            | 5                  | 1.7              | 3                 | 0.3             | 0                  | 0.0              | 3                 | 0.1             | 5                  | 0.5              |
| 850         | 4922        | 142          | 20         | 9          | 13                | 18.0            | 12                 | 42.0             | 10                | 29.3            | 8                  | 4.9              | 5                 | 2.8             | 5                  | 0.7              | 0                 | 0.0             | 7                  | 1.9              |
| 700         | 10309       | 427          | 10         | -2         | 10                | 18.3            | 8                  | 16.9             | 8                 | 18.0            | 7                  | 12.8             | 5                 | 8.1             | 6                  | 4.2              | 9                 | 6.3             | 10                 | 13.0             |
| 500         | 19219       | 930          | -6         | -16        | 9                 | 6.3             | 12                 | 19.9             | 14                | 34.6            | 11                 | 18.7             | 8                 | 5.1             | 7                  | 3.3              | 11                | 4.2             | 12                 | 7.2              |
| 400         | 24851       | 1277         | -16        | -29        | 11                | 9.5             | 14                 | 19.9             | 17                | 40.1            | 14                 | 12.5             | 10                | 2.4             | 5                  | 3.3              | 7                 | 3.1             | 12                 | 8.3              |
| 300         | 31758       | 1693         | -32        | -45        | 11                | 9.0             | 13                 | 21.5             | 19                | 41.8            | 14                 | 11.6             | 8                 | 3.7             | 9                  | 1.9              | 8                 | 4.0             | 11                 | 5.6              |
| 250         | 35893       | 1894         | -42        | .          | 14                | 8.1             | 16                 | 17.4             | 21                | 41.1            | 17                 | 17.3             | 12                | 3.8             | 10                 | 1.7              | 10                | 2.8             | 13                 | 7.4              |
| 200         | 40738       | 2076         | -54        | .          | 13                | 7.0             | 15                 | 13.9             | 23                | 37.4            | 23                 | 19.7             | 11                | 5.3             | 10                 | 2.1              | 14                | 5.6             | 16                 | 8.6              |
| 150         | 46628       | 1981         | -68        | .          | 13                | 10.0            | 13                 | 11.1             | 24                | 33.5            | 20                 | 13.0             | 9                 | 6.7             | 12                 | 7.5              | 14                | 7.9             | 11                 | 9.7              |
| 100         | 54391       | 1308         | -77        | .          | 9                 | 7.0             | 11                 | 10.6             | 17                | 31.8            | 9                  | 8.1              | 11                | 8.3             | 9                  | 12.7             | 12                | 12.1            | 10                 | 7.9              |
| 70          | 61063       | 559          | -76        | .          | 11                | 3.5             | 13                 | 13.4             | 17                | 23.3            | 12                 | 16.2             | 10                | 8.5             | 11                 | 10.7             | 13                | 16.2            | 10                 | 7.2              |
| 50          | 67534       | 27           | -67        | .          | 21                | 9.5             | 16                 | 8.5              | 21                | 27.1            | 14                 | 8.7              | 11                | 4.1             | 15                 | 8.2              | 25                | 23.0            | 17                 | 10.1             |
| 30          | 77756       | -488         | -59        | .          | 28                | 9.1             | 23                 | 6.6              | 36                | 40.0            | 13                 | 4.6              | 11                | 2.1             | 20                 | 5.8              | 18                | 18.5            | 33                 | 12.3             |
| 20          | 86328       | -553         | -53        | .          | 30                | 4.1             | 10                 | 1.5              | 17                | 26.2            | 10                 | 2.8              | 10                | 0.8             | 18                 | 1.5              | 20                | 1.9             | 34                 | 10.6             |
| 10          | 101216      | -669         | -43        | .          | 61                | 8.3             | 21                 | 3.0              | 35                | 52.6            | 20                 | 5.7              | 20                | 1.7             | 36                 | 3.0              | 40                | 3.9             | 69                 | 21.4             |

FEB Latitude=-2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 27  | 24  | 11  | 3.5  | 11  | 78.3 | 9   | 17.7 | 6   | 0.3  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 1000 | 281    | -83  | 26  | 23  | 11  | 4.2  | 13  | 75.0 | 11  | 19.7 | 6   | 0.7  | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  | 0   |
| 850  | 4924   | 144  | 19  | 10  | 12  | 8.3  | 11  | 26.6 | 11  | 43.8 | 7   | 9.7  | 5   | 3.5  | 5   | 1.5  | 5   | 1.5  | 8   |
| 700  | 10307  | 425  | 10  | -2  | 8   | 9.0  | 7   | 7.5  | 8   | 15.7 | 8   | 22.9 | 8   | 13.9 | 7   | 8.6  | 11  | 10.7 | 11  |
| 500  | 19218  | 929  | -6  | -16 | 8   | 8.1  | 13  | 18.5 | 13  | 34.6 | 11  | 18.7 | 9   | 4.5  | 7   | 1.9  | 11  | 4.7  | 12  |
| 400  | 24849  | 1275 | -16 | -28 | 12  | 9.0  | 14  | 18.9 | 17  | 37.4 | 13  | 13.4 | 9   | 5.6  | 7   | 2.2  | 9   | 6.1  | 11  |
| 300  | 31757  | 1692 | -32 | -44 | 11  | 8.4  | 14  | 18.1 | 18  | 42.7 | 13  | 11.8 | 11  | 3.1  | 10  | 2.8  | 10  | 4.9  | 11  |
| 250  | 35892  | 1893 | -42 | .   | 15  | 7.0  | 17  | 15.9 | 20  | 41.8 | 17  | 16.0 | 11  | 4.2  | 9   | 1.4  | 11  | 4.9  | 13  |
| 200  | 40738  | 2076 | -54 | .   | 15  | 7.7  | 15  | 13.7 | 24  | 36.2 | 21  | 18.9 | 13  | 5.6  | 10  | 3.8  | 13  | 5.1  | 17  |
| 150  | 46628  | 1981 | -68 | .   | 14  | 10.2 | 12  | 8.6  | 26  | 33.0 | 17  | 13.7 | 11  | 4.4  | 13  | 7.0  | 15  | 10.7 | 14  |
| 100  | 54387  | 1304 | -77 | .   | 10  | 9.7  | 10  | 11.4 | 19  | 26.6 | 10  | 9.3  | 10  | 8.1  | 10  | 12.3 | 11  | 12.1 | 11  |
| 70   | 61060  | 556  | -76 | .   | 10  | 6.6  | 14  | 12.7 | 17  | 23.7 | 13  | 18.2 | 11  | 5.7  | 10  | 9.2  | 13  | 16.7 | 11  |
| 50   | 67535  | 28   | -67 | .   | 23  | 12.6 | 15  | 7.2  | 20  | 27.5 | 14  | 8.9  | 12  | 4.8  | 13  | 7.4  | 25  | 23.2 | 17  |
| 30   | 77762  | -482 | -59 | .   | 32  | 8.9  | 21  | 7.4  | 35  | 40.4 | 12  | 5.6  | 12  | 3.1  | 17  | 7.2  | 18  | 15.0 | 38  |
| 20   | 86334  | -547 | -53 | .   | 35  | 3.6  | 8   | 1.2  | 17  | 26.7 | 10  | 2.1  | 9   | 0.8  | 18  | 1.0  | 18  | 3.5  | 40  |
| 10   | 101221 | -664 | -43 | .   | 69  | 7.4  | 17  | 2.6  | 34  | 53.5 | 19  | 4.3  | 19  | 1.7  | 37  | 2.1  | 36  | 7.0  | 81  |

FEB Latitude= 0.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  | .      | .    | 30  | 17  | 0   | 0.0  | 7   | 8.1  | 7   | 46.4 | 6   | 43.9 | 5   | 1.4  | 0   | 0.0  | 0   | 0.0  | 0   |
| 1000 | 252    | -112 | 29  | 19  | 4   | 0.5  | 8   | 6.5  | 10  | 56.5 | 9   | 34.8 | 7   | 1.4  | 7   | 0.1  | 0   | 0.0  | 0   |
| 850  | 4923   | 143  | 20  | 13  | 9   | 1.7  | 12  | 31.6 | 11  | 61.1 | 10  | 5.1  | 6   | 0.3  | 0   | 0.0  | 0   | 0.0  | 0   |
| 700  | 10312  | 430  | 10  | 1   | 11  | 14.1 | 12  | 42.0 | 10  | 30.5 | 9   | 5.8  | 4   | 1.0  | 5   | 0.3  | 7   | 0.5  | 10  |
| 500  | 19219  | 930  | -6  | -18 | 9   | 6.5  | 12  | 18.3 | 15  | 45.7 | 10  | 13.9 | 7   | 4.2  | 5   | 2.4  | 7   | 2.8  | 8   |
| 400  | 24845  | 1271 | -16 | -30 | 11  | 6.7  | 15  | 21.2 | 18  | 44.3 | 12  | 11.1 | 7   | 4.4  | 11  | 1.9  | 9   | 2.8  | 12  |
| 300  | 31753  | 1688 | -32 | -46 | 12  | 7.5  | 14  | 21.0 | 18  | 42.2 | 14  | 12.0 | 8   | 3.5  | 8   | 2.8  | 10  | 4.2  | 12  |
| 250  | 35892  | 1893 | -42 | .   | 14  | 10.6 | 15  | 16.9 | 19  | 33.9 | 17  | 19.0 | 13  | 5.8  | 11  | 4.0  | 11  | 3.0  | 13  |
| 200  | 40740  | 2078 | -54 | .   | 13  | 10.2 | 14  | 11.4 | 20  | 27.0 | 21  | 23.4 | 13  | 4.9  | 11  | 4.9  | 14  | 6.5  | 14  |
| 150  | 46632  | 1985 | -68 | .   | 12  | 9.1  | 14  | 11.3 | 23  | 25.9 | 21  | 15.1 | 11  | 5.3  | 14  | 9.5  | 15  | 11.8 | 13  |
| 100  | 54396  | 1313 | -77 | .   | 10  | 6.1  | 11  | 11.4 | 16  | 22.4 | 20  | 11.8 | 9   | 8.4  | 11  | 11.8 | 12  | 16.6 | 11  |
| 70   | 61063  | 559  | -76 | .   | 10  | 4.8  | 11  | 8.5  | 15  | 21.1 | 10  | 14.7 | 9   | 10.5 | 13  | 12.1 | 14  | 18.0 | 12  |
| 50   | 67533  | 26   | -67 | .   | 12  | 8.0  | 14  | 10.1 | 20  | 23.4 | 13  | 7.6  | 12  | 3.5  | 17  | 9.1  | 25  | 25.0 | 19  |
| 30   | 77780  | -464 | -59 | .   | 11  | 5.2  | 19  | 8.3  | 34  | 39.8 | 15  | 3.9  | 12  | 1.9  | 19  | 7.0  | 24  | 16.6 | 28  |
| 20   | 86356  | -525 | -53 | .   | 12  | 1.2  | 8   | 1.9  | 16  | 22.7 | 7   | 2.3  | 7   | 1.7  | 16  | 2.5  | 30  | 3.5  | 28  |
| 10   | 101217 | -668 | -43 | .   | 24  | 2.6  | 16  | 3.9  | 32  | 45.6 | 15  | 4.8  | 14  | 3.5  | 33  | 5.2  | 60  | 7.0  | 56  |

FEB Latitude= 0.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 31  | 20  | 0     | 0.0  | 10    | 6.0  | 10    | 79.0 | 9     | 14.8 | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 261    | -103 | 27  | 21  | 6     | 1.0  | 12    | 16.0 | 13    | 78.4 | 11    | 3.8  | 2     | 0.3 | 1     | 0.1  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4922   | 142  | 20  | 9   | 12    | 5.1  | 16    | 46.6 | 14    | 42.4 | 10    | 4.5  | 4     | 0.7 | 7     | 0.1  | 3     | 0.1  | 0     | 0.0  |
| 700  | 10309  | 427  | 10  | -1  | 11    | 14.6 | 11    | 29.8 | 9     | 28.0 | 9     | 14.8 | 5     | 3.7 | 4     | 2.1  | 6     | 0.8  | 12    | 5.3  |
| 500  | 19218  | 929  | -6  | -17 | 9     | 6.5  | 12    | 21.0 | 17    | 40.1 | 10    | 15.5 | 8     | 3.8 | 7     | 3.1  | 8     | 4.2  | 8     | 4.9  |
| 400  | 24847  | 1273 | -16 | -30 | 13    | 6.5  | 14    | 23.1 | 19    | 41.1 | 13    | 11.4 | 9     | 4.5 | 8     | 3.1  | 10    | 2.4  | 12    | 7.0  |
| 300  | 31755  | 1690 | -32 | -45 | 13    | 9.5  | 14    | 23.1 | 19    | 37.9 | 15    | 11.3 | 9     | 4.0 | 8     | 3.0  | 11    | 3.1  | 13    | 7.5  |
| 250  | 35891  | 1892 | -42 | .   | 15    | 11.8 | 16    | 17.6 | 19    | 33.7 | 17    | 16.4 | 11    | 4.0 | 11    | 3.8  | 12    | 3.0  | 13    | 9.1  |
| 200  | 40737  | 2075 | -54 | .   | 16    | 10.7 | 15    | 10.9 | 21    | 26.6 | 21    | 19.6 | 12    | 5.6 | 11    | 4.0  | 14    | 6.3  | 15    | 15.3 |
| 150  | 46627  | 1980 | -68 | .   | 14    | 10.0 | 13    | 10.9 | 24    | 26.3 | 20    | 12.1 | 9     | 5.1 | 16    | 6.8  | 16    | 13.9 | 16    | 14.4 |
| 100  | 54396  | 1313 | -77 | .   | 10    | 6.1  | 12    | 12.3 | 17    | 22.7 | 10    | 8.8  | 10    | 7.4 | 10    | 12.8 | 13    | 20.1 | 12    | 8.3  |
| 70   | 61063  | 559  | -76 | .   | 10    | 5.5  | 13    | 11.0 | 15    | 20.0 | 12    | 12.9 | 11    | 9.4 | 13    | 12.3 | 15    | 18.7 | 11    | 9.6  |
| 50   | 67531  | 24   | -67 | .   | 19    | 9.3  | 15    | 8.3  | 19    | 23.8 | 15    | 7.8  | 13    | 3.7 | 16    | 10.5 | 25    | 23.6 | 20    | 12.3 |
| 30   | 77760  | -484 | -59 | .   | 30    | 6.4  | 22    | 12.5 | 33    | 35.1 | 11    | 6.4  | 13    | 2.1 | 18    | 8.5  | 20    | 16.6 | 37    | 11.9 |
| 20   | 86332  | -549 | -53 | .   | 25    | 4.1  | 7     | 1.2  | 16    | 23.1 | 7     | 1.9  | 6     | 1.5 | 15    | 3.0  | 18    | 2.5  | 34    | 12.0 |
| 10   | 101213 | -672 | -43 | .   | 51    | 8.3  | 15    | 2.6  | 31    | 46.4 | 14    | 3.9  | 13    | 3.0 | 30    | 6.1  | 37    | 5.2  | 69    | 24.1 |

FEB Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0  | 14    | 52.4 | 12    | 47.5 | 0     | 0.0  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 282    | -82  | 26  | 22  | 8     | 1.2  | 16    | 56.3 | 14    | 41.8 | 4     | 0.1  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 3     | 0.1  |
| 850  | 4922   | 141  | 19  | 8   | 13    | 4.2  | 16    | 35.6 | 15    | 51.9 | 9     | 5.3  | 6     | 1.7 | 6     | 0.3  | 4     | 0.3  | 1     | 0.1  |
| 700  | 10306  | 424  | 10  | -3  | 10    | 8.1  | 10    | 17.8 | 9     | 26.1 | 9     | 25.4 | 8     | 8.8 | 5     | 4.0  | 10    | 2.4  | 9     | 6.7  |
| 500  | 19216  | 927  | -6  | -16 | 9     | 7.9  | 14    | 19.0 | 16    | 40.9 | 11    | 13.7 | 8     | 4.2 | 8     | 2.1  | 7     | 5.3  | 7     | 5.4  |
| 400  | 24847  | 1273 | -16 | -29 | 12    | 7.5  | 14    | 22.0 | 20    | 39.7 | 13    | 11.6 | 10    | 5.8 | 8     | 3.7  | 12    | 4.7  | 11    | 4.2  |
| 300  | 31755  | 1690 | -32 | -45 | 12    | 10.2 | 15    | 20.4 | 18    | 37.6 | 14    | 10.4 | 10    | 5.4 | 10    | 3.3  | 13    | 5.6  | 12    | 6.7  |
| 250  | 35892  | 1893 | -42 | .   | 15    | 10.0 | 16    | 16.6 | 18    | 34.9 | 17    | 15.5 | 14    | 4.5 | 12    | 3.7  | 12    | 4.7  | 13    | 9.7  |
| 200  | 40738  | 2076 | -54 | .   | 17    | 7.7  | 15    | 13.4 | 21    | 27.7 | 22    | 17.8 | 12    | 4.4 | 14    | 5.4  | 14    | 7.5  | 17    | 15.7 |
| 150  | 46627  | 1980 | -68 | .   | 14    | 9.8  | 14    | 8.3  | 24    | 28.0 | 17    | 13.6 | 11    | 4.2 | 18    | 7.0  | 18    | 13.6 | 18    | 14.8 |
| 100  | 54395  | 1312 | -77 | .   | 9     | 7.9  | 12    | 12.7 | 17    | 22.9 | 11    | 6.7  | 9     | 8.1 | 12    | 13.6 | 15    | 17.1 | 12    | 10.2 |
| 70   | 61064  | 560  | -76 | .   | 11    | 7.7  | 13    | 11.2 | 16    | 18.0 | 13    | 15.1 | 12    | 8.1 | 14    | 11.6 | 15    | 20.7 | 10    | 7.2  |
| 50   | 67533  | 26   | -67 | .   | 24    | 10.7 | 13    | 7.4  | 18    | 23.8 | 15    | 9.5  | 13    | 4.8 | 16    | 9.5  | 26    | 24.2 | 21    | 9.7  |
| 30   | 77757  | -487 | -59 | .   | 37    | 8.5  | 22    | 10.5 | 32    | 36.1 | 11    | 7.2  | 16    | 3.7 | 19    | 8.9  | 20    | 14.4 | 43    | 10.1 |
| 20   | 86330  | -551 | -53 | .   | 39    | 4.3  | 6     | 1.5  | 16    | 23.0 | 7     | 1.7  | 7     | 1.7 | 14    | 2.5  | 19    | 3.2  | 36    | 11.5 |
| 10   | 101220 | -665 | -43 | .   | 79    | 8.7  | 13    | 3.0  | 31    | 46.0 | 14    | 3.5  | 14    | 3.5 | 28    | 5.2  | 38    | 6.5  | 73    | 23.2 |

FEB Latitude= 2.50 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 15         | 0                 | 0.0             | 6                  | 4.6              | 6                 | 35.8            | 7                  | 58.5             | 5                 | 1.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 269         | -95          | 30         | 17         | 5                 | 0.1             | 8                  | 3.1              | 9                 | 42.4            | 10                 | 52.6             | 7                 | 1.4             | 4                  | 0.1              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4920        | 140          | 21         | 13         | 1                 | 0.1             | 12                 | 7.0              | 13                | 68.0            | 12                 | 24.2             | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 1                  | 0.1              |
| 700         | 10314       | 432          | 9          | 3          | 9                 | 5.4             | 15                 | 48.2             | 13                | 31.6            | 11                 | 10.7             | 4                 | 0.8             | 3                  | 0.5              | 6                 | 0.5             | 8                  | 1.9              |
| 500         | 19223       | 934          | -6         | -18        | 6                 | 5.4             | 11                 | 18.9             | 17                | 51.9            | 10                 | 11.4             | 6                 | 3.7             | 5                  | 1.9              | 6                 | 2.1             | 7                  | 3.5              |
| 400         | 24845       | 1271         | -16        | -30        | 11                | 7.0             | 16                 | 18.5             | 20                | 43.8            | 13                 | 9.3              | 8                 | 5.8             | 9                  | 4.2              | 10                | 4.4             | 11                 | 6.1              |
| 300         | 31747       | 1682         | -32        | -46        | 13                | 12.0            | 16                 | 20.1             | 18                | 36.0            | 15                 | 10.0             | 10                | 4.2             | 10                 | 3.7              | 13                | 4.2             | 15                 | 8.8              |
| 250         | 35891       | 1892         | -42        | .          | 15                | 14.1            | 15                 | 15.3             | 17                | 27.9            | 16                 | 14.8             | 12                | 6.1             | 14                 | 5.1              | 15                | 5.8             | 16                 | 9.5              |
| 200         | 40742       | 2080         | -54        | .          | 16                | 11.6            | 15                 | 9.3              | 19                | 22.0            | 19                 | 16.9             | 13                | 6.5             | 14                 | 7.4              | 17                | 10.4            | 16                 | 15.3             |
| 150         | 46634       | 1987         | -68        | .          | 14                | 8.6             | 13                 | 8.6              | 20                | 21.5            | 22                 | 13.7             | 12                | 5.1             | 17                 | 7.4              | 17                | 18.7            | 17                 | 16.0             |
| 100         | 54391       | 1308         | -77        | .          | 10                | 7.0             | 11                 | 10.6             | 14                | 21.9            | 12                 | 12.0             | 11                | 9.1             | 11                 | 9.5              | 14                | 18.9            | 14                 | 10.2             |
| 70          | 61057       | 553          | -76        | .          | 11                | 7.7             | 11                 | 10.7             | 14                | 22.2            | 13                 | 11.8             | 10                | 9.6             | 13                 | 13.4             | 15                | 14.5            | 12                 | 9.2              |
| 50          | 67533       | 26           | -67        | .          | 11                | 6.0             | 15                 | 15.0             | 18                | 22.4            | 14                 | 6.4              | 11                | 4.6             | 16                 | 8.3              | 23                | 23.6            | 18                 | 13.2             |
| 30          | 77798       | -446         | -59        | .          | 10                | 7.2             | 22                 | 15.0             | 30                | 34.5            | 12                 | 5.6              | 18                | 1.9             | 17                 | 6.8              | 28                | 14.0            | 24                 | 14.6             |
| 20          | 86378       | -503         | -53        | .          | 10                | 0.6             | 6                  | 1.7              | 14                | 17.9            | 6                  | 3.5              | 9                 | 1.0             | 14                 | 4.3              | 30                | 8.5             | 22                 | 12.0             |
| 10          | 101229      | -656         | -43        | .          | 20                | 1.3             | 12                 | 3.5              | 29                | 35.9            | 13                 | 7.0              | 18                | 2.1             | 28                 | 8.7              | 60                | 17.1            | 45                 | 24.1             |

FEB Latitude= 2.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 16         | 0                 | 0.0             | 8                  | 10.2             | 8                 | 66.6            | 8                  | 22.6             | 8                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 267         | -97          | 29         | 18         | 0                 | 0.0             | 10                 | 12.5             | 11                | 70.6            | 10                 | 16.0             | 6                 | 0.7             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4926        | 146          | 20         | 11         | 9                 | 0.5             | 16                 | 33.0             | 14                | 60.0            | 11                 | 5.6              | 8                 | 0.5             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10313       | 431          | 10         | 1          | 13                | 7.5             | 14                 | 42.0             | 11                | 28.0            | 11                 | 16.9             | 4                 | 1.7             | 3                  | 1.4              | 5                 | 0.5             | 13                 | 1.5              |
| 500         | 19219       | 930          | -6         | -18        | 7                 | 6.1             | 12                 | 20.8             | 18                | 45.9            | 12                 | 11.1             | 6                 | 4.2             | 5                  | 3.3              | 6                 | 4.4             | 7                  | 3.1              |
| 400         | 24845       | 1271         | -16        | -30        | 12                | 6.3             | 17                 | 20.3             | 22                | 41.3            | 14                 | 9.5              | 9                 | 5.4             | 10                 | 6.1              | 10                | 4.4             | 13                 | 5.8              |
| 300         | 31750       | 1685         | -32        | -46        | 12                | 13.4            | 16                 | 20.1             | 19                | 33.3            | 15                 | 10.7             | 10                | 4.5             | 11                 | 3.3              | 14                | 5.6             | 16                 | 8.6              |
| 250         | 35892       | 1893         | -42        | .          | 16                | 12.5            | 16                 | 16.4             | 17                | 26.8            | 15                 | 14.1             | 13                | 6.5             | 13                 | 5.8              | 15                | 6.1             | 18                 | 10.9             |
| 200         | 40740       | 2078         | -54        | .          | 18                | 12.0            | 15                 | 11.3             | 21                | 19.6            | 17                 | 16.6             | 13                | 5.4             | 15                 | 6.0              | 17                | 11.4            | 18                 | 17.3             |
| 150         | 46631       | 1984         | -68        | .          | 15                | 9.5             | 14                 | 8.3              | 21                | 23.1            | 19                 | 12.8             | 12                | 4.0             | 15                 | 6.8              | 21                | 18.0            | 20                 | 16.9             |
| 100         | 54396       | 1313         | -77        | .          | 12                | 7.4             | 11                 | 12.0             | 16                | 20.3            | 11                 | 10.7             | 10                | 7.0             | 11                 | 12.8             | 15                | 19.4            | 13                 | 9.8              |
| 70          | 61062       | 558          | -76        | .          | 10                | 9.0             | 13                 | 10.5             | 14                | 21.5            | 13                 | 11.2             | 12                | 9.2             | 17                 | 11.4             | 15                | 15.6            | 11                 | 10.7             |
| 50          | 67531       | 24           | -67        | .          | 16                | 9.1             | 15                 | 12.6             | 18                | 21.8            | 14                 | 7.2              | 15                | 3.7             | 17                 | 10.9             | 22                | 20.8            | 21                 | 13.2             |
| 30          | 77779       | -465         | -59        | .          | 22                | 6.4             | 24                 | 13.8             | 30                | 34.9            | 12                 | 5.2              | 17                | 4.1             | 18                 | 10.1             | 19                | 10.5            | 34                 | 14.6             |
| 20          | 86356       | -525         | -53        | .          | 17                | 1.9             | 6                  | 1.2              | 15                | 17.7            | 6                  | 3.8              | 7                 | 0.8             | 14                 | 4.5              | 18                | 4.1             | 30                 | 15.3             |
| 10          | 101230      | -655         | -43        | .          | 35                | 3.9             | 13                 | 2.6              | 30                | 35.5            | 13                 | 7.8              | 14                | 1.7             | 29                 | 9.2              | 37                | 8.3             | 61                 | 30.7             |

FEB Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | WMP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 18         | 0                 | 0.0             | 12                 | 21.9             | 11                | 75.8            | 10                 | 2.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 280         | -84          | 27         | 19         | 0                 | 0.0             | 13                 | 28.0             | 14                | 69.4            | 11                 | 2.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 3                  | 0.1              |
| 850         | 4924        | 144          | 19         | 9          | 16                | 0.8             | 19                 | 44.5             | 16                | 48.9            | 11                 | 5.3              | 10                | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10308       | 426          | 10         | -2         | 10                | 8.3             | 13                 | 28.2             | 11                | 31.8            | 11                 | 22.6             | 6                 | 3.3             | 5                  | 1.4              | 4                 | 1.9             | 10                 | 2.1              |
| 500         | 19216       | 927          | -6         | -17        | 8                 | 5.6             | 13                 | 21.2             | 17                | 44.8            | 10                 | 11.3             | 7                 | 4.4             | 9                  | 3.1              | 7                 | 4.0             | 6                  | 4.7              |
| 400         | 24844       | 1270         | -16        | -30        | 12                | 7.4             | 17                 | 18.9             | 22                | 42.7            | 13                 | 9.8              | 11                | 4.7             | 11                 | 5.6              | 13                | 5.6             | 11                 | 4.5              |
| 300         | 31752       | 1687         | -32        | -45        | 12                | 11.1            | 15                 | 22.7             | 19                | 33.5            | 14                 | 7.9              | 13                | 5.6             | 11                 | 5.6              | 13                | 5.1             | 17                 | 7.5              |
| 250         | 35892       | 1893         | -42        | .          | 15                | 10.0            | 16                 | 19.7             | 17                | 25.6            | 15                 | 14.1             | 12                | 7.2             | 15                 | 5.4              | 15                | 6.1             | 17                 | 10.9             |
| 200         | 40739       | 2077         | -54        | .          | 18                | 11.8            | 16                 | 11.1             | 21                | 20.1            | 18                 | 16.0             | 12                | 6.7             | 16                 | 6.7              | 18                | 11.1            | 19                 | 16.0             |
| 150         | 46628       | 1981         | -68        | .          | 17                | 8.3             | 13                 | 7.4              | 21                | 25.4            | 20                 | 13.0             | 10                | 2.8             | 18                 | 6.5              | 22                | 18.5            | 19                 | 17.8             |
| 100         | 54396       | 1313         | -77        | .          | 10                | 7.9             | 12                 | 10.9             | 16                | 21.3            | 12                 | 8.1              | 11                | 7.4             | 12                 | 12.5             | 16                | 20.4            | 14                 | 10.9             |
| 70          | 61062       | 558          | -76        | .          | 13                | 9.2             | 13                 | 12.3             | 16                | 16.7            | 13                 | 15.6             | 14                | 7.0             | 17                 | 11.0             | 16                | 17.6            | 10                 | 10.1             |
| 50          | 67529       | 22           | -67        | .          | 23                | 10.5            | 15                 | 10.9             | 19                | 19.3            | 13                 | 9.9              | 15                | 4.4             | 20                 | 10.3             | 21                | 22.2            | 22                 | 11.5             |
| 30          | 77763       | -481         | -59        | .          | 40                | 8.7             | 24                 | 11.9             | 31                | 33.5            | 11                 | 8.0              | 15                | 5.2             | 21                 | 9.3              | 17                | 12.1            | 38                 | 10.5             |
| 20          | 86335       | -546         | -53        | .          | 38                | 4.7             | 6                  | 1.5              | 14                | 19.5            | 6                  | 3.0              | 10                | 0.3             | 14                 | 4.3              | 18                | 4.5             | 34                 | 11.5             |
| 10          | 101228      | -657         | -43        | .          | 77                | 9.6             | 12                 | 3.0              | 28                | 39.0            | 13                 | 6.1              | 21                | 0.8             | 27                 | 8.7              | 36                | 9.2             | 68                 | 23.2             |

FEB Latitude= 5.00 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 23         | 10         | 5                 | 1.4             | 5                  | 13.1             | 6                 | 48.2            | 6                  | 36.1             | 2                 | 0.7             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 333         | -31          | 29         | 18         | 7                 | 0.8             | 7                  | 9.3              | 10                | 44.1            | 10                 | 41.1             | 6                 | 3.7             | 1                  | 0.1              | 7                 | 0.1             | 0                  | 0.0              |
| 850         | 4919        | 139          | 22         | 12         | 0                 | 0.0             | 10                 | 3.8              | 11                | 52.2            | 10                 | 40.2             | 7                 | 3.1             | 3                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10323       | 441          | 9          | 3          | 7                 | 2.1             | 12                 | 31.8             | 13                | 43.1            | 12                 | 16.9             | 6                 | 2.4             | 2                  | 0.5              | 3                 | 1.2             | 6                  | 0.8              |
| 500         | 19227       | 938          | -6         | -18        | 8                 | 6.5             | 12                 | 20.4             | 17                | 51.9            | 12                 | 10.4             | 8                 | 3.0             | 7                  | 1.4              | 5                 | 2.4             | 6                  | 3.1              |
| 400         | 24857       | 1283         | -17        | -30        | 12                | 8.1             | 15                 | 16.0             | 20                | 43.4            | 13                 | 12.1             | 8                 | 5.4             | 9                  | 4.4              | 11                | 4.0             | 10                 | 5.8              |
| 300         | 31741       | 1676         | -32        | -46        | 15                | 12.5            | 15                 | 15.9             | 19                | 27.3            | 16                 | 12.8             | 10                | 6.1             | 13                 | 5.1              | 16                | 7.2             | 16                 | 11.8             |
| 250         | 35892       | 1893         | -42        | .          | 16                | 12.7            | 15                 | 14.4             | 17                | 22.0            | 15                 | 12.0             | 11                | 6.3             | 14                 | 7.0              | 15                | 10.7            | 19                 | 14.3             |
| 200         | 40742       | 2080         | -54        | .          | 16                | 11.3            | 16                 | 8.8              | 16                | 16.7            | 15                 | 14.1             | 11                | 5.6             | 16                 | 10.0             | 21                | 12.8            | 19                 | 20.3             |
| 150         | 46635       | 1988         | -68        | .          | 15                | 9.7             | 14                 | 6.1              | 17                | 18.0            | 17                 | 13.6             | 13                | 5.8             | 17                 | 6.7              | 22                | 21.9            | 19                 | 18.0             |
| 100         | 54376       | 1293         | -77        | .          | 13                | 9.8             | 12                 | 6.1              | 16                | 19.0            | 14                 | 11.1             | 11                | 9.3             | 12                 | 12.7             | 17                | 17.4            | 16                 | 13.7             |
| 70          | 61041       | 537          | -76        | .          | 12                | 7.2             | 12                 | 16.7             | 16                | 23.1            | 14                 | 9.2              | 10                | 7.4             | 13                 | 10.5             | 14                | 16.5            | 13                 | 8.3              |
| 50          | 67535       | 28           | -66        | .          | 13                | 7.2             | 16                 | 17.1             | 19                | 20.7            | 14                 | 5.6              | 11                | 6.8             | 14                 | 7.6              | 21                | 20.8            | 15                 | 13.8             |
| 30          | 77817       | -427         | -58        | .          | 11                | 7.6             | 22                 | 15.8             | 28                | 34.3            | 14                 | 4.6              | 16                | 3.9             | 15                 | 5.6              | 28                | 16.9            | 18                 | 10.7             |
| 20          | 86402       | -479         | -53        | .          | 3                 | 0.3             | 7                  | 1.7              | 12                | 13.7            | 6                  | 3.0              | 10                | 1.7             | 12                 | 4.7              | 24                | 15.3            | 21                 | 8.7              |
| 10          | 101244      | -641         | -43        | .          | 6                 | 0.8             | 15                 | 3.5              | 25                | 27.6            | 12                 | 6.1              | 19                | 3.5             | 24                 | 9.6              | 49                | 30.7            | 42                 | 17.5             |

FEB Latitude= 5.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 12         | 7                 | 0.3             | 7                  | 11.3             | 8                 | 60.9            | 7                  | 26.9             | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 287         | -77          | 29         | 16         | 9                 | 0.1             | 9                  | 8.1              | 10                | 59.3            | 10                 | 30.5             | 8                 | 1.2             | 3                  | 0.1              | 0                 | 0.0             | 1                  | 0.1              |
| 850         | 4931        | 151          | 20         | 11         | 6                 | 0.1             | 13                 | 16.2             | 13                | 64.1            | 11                 | 18.3             | 11                | 1.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10319       | 437          | 9          | 1          | 10                | 10.4            | 13                 | 43.6             | 13                | 21.3            | 12                 | 18.0             | 8                 | 2.8             | 3                  | 0.3              | 4                 | 1.2             | 11                 | 1.7              |
| 500         | 19226       | 937          | -6         | -19        | 7                 | 6.5             | 13                 | 18.0             | 19                | 50.5            | 11                 | 9.3              | 7                 | 4.7             | 6                  | 2.2              | 6                 | 3.5             | 6                  | 4.2              |
| 400         | 24849       | 1275         | -16        | -31        | 15                | 7.2             | 17                 | 17.8             | 23                | 40.8            | 13                 | 9.3              | 8                 | 5.6             | 12                 | 5.1              | 11                | 5.8             | 11                 | 7.9              |
| 300         | 31750       | 1685         | -32        | -47        | 14                | 13.6            | 16                 | 18.3             | 19                | 27.7            | 14                 | 9.1              | 10                | 5.4             | 12                 | 5.4              | 16                | 7.7             | 15                 | 11.8             |
| 250         | 35892       | 1893         | -42        | .          | 16                | 16.0            | 17                 | 15.1             | 16                | 19.2            | 14                 | 11.8             | 12                | 6.3             | 14                 | 7.0              | 17                | 11.3            | 19                 | 12.7             |
| 200         | 40740       | 2078         | -54        | .          | 17                | 13.0            | 18                 | 9.0              | 16                | 16.0            | 17                 | 14.6             | 12                | 4.7             | 17                 | 7.9              | 21                | 15.9            | 20                 | 18.3             |
| 150         | 46633       | 1986         | -68        | .          | 17                | 9.0             | 14                 | 6.7              | 20                | 16.6            | 18                 | 15.3             | 13                | 5.4             | 19                 | 4.9              | 23                | 20.4            | 21                 | 21.2             |
| 100         | 54388       | 1305         | -77        | .          | 11                | 10.6            | 12                 | 7.2              | 16                | 19.2            | 13                 | 10.0             | 12                | 7.5             | 12                 | 13.0             | 16                | 18.7            | 16                 | 13.0             |
| 70          | 61057       | 553          | -76        | .          | 11                | 9.9             | 13                 | 13.8             | 16                | 22.2            | 15                 | 10.1             | 12                | 7.9             | 17                 | 11.8             | 15                | 13.8            | 13                 | 9.2              |
| 50          | 67537       | 30           | -67        | .          | 15                | 10.5            | 17                 | 12.6             | 18                | 23.2            | 13                 | 6.2              | 12                | 5.8             | 19                 | 10.1             | 19                | 17.3            | 18                 | 13.2             |
| 30          | 77807       | -437         | -59        | .          | 16                | 8.0             | 25                 | 12.8             | 28                | 34.1            | 14                 | 6.0              | 16                | 4.8             | 18                 | 7.8              | 19                | 10.9            | 29                 | 15.2             |
| 20          | 86388       | -493         | -53        | .          | 16                | 1.0             | 8                  | 1.0              | 13                | 12.6            | 7                  | 4.7              | 5                 | 1.2             | 15                 | 4.7              | 16                | 8.7             | 27                 | 15.0             |
| 10          | 101248      | -637         | -43        | .          | 31                | 2.1             | 16                 | 2.1              | 26                | 25.4            | 15                 | 9.6              | 10                | 2.6             | 30                 | 9.6              | 33                | 17.5            | 54                 | 30.2             |

FEB Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 15         | 0                 | 0.0             | 9                  | 6.7              | 10                | 91.1            | 9                  | 2.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 297         | -67          | 28         | 17         | 0                 | 0.0             | 11                 | 7.2              | 12                | 83.9            | 10                 | 8.3              | 3                 | 0.5             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4932        | 152          | 19         | 10         | 11                | 0.3             | 16                 | 27.7             | 15                | 64.6            | 13                 | 6.8              | 7                 | 0.3             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10314       | 432          | 10         | -1         | 12                | 7.9             | 14                 | 36.0             | 13                | 29.1            | 11                 | 19.7             | 8                 | 3.0             | 5                  | 1.0              | 8                 | 0.7             | 6                  | 1.5              |
| 500         | 19223       | 934          | -6         | -19        | 9                 | 5.3             | 14                 | 16.0             | 18                | 51.0            | 10                 | 9.3              | 8                 | 4.9             | 6                  | 4.0              | 7                 | 4.0             | 8                  | 4.5              |
| 400         | 24847       | 1273         | -16        | -31        | 13                | 6.1             | 17                 | 16.9             | 24                | 40.9            | 14                 | 9.5              | 9                 | 4.9             | 14                 | 7.5              | 11                | 7.0             | 10                 | 6.5              |
| 300         | 31751       | 1686         | -32        | -46        | 14                | 10.7            | 16                 | 19.2             | 19                | 28.2            | 13                 | 9.8              | 10                | 5.1             | 15                 | 6.5              | 15                | 7.9             | 13                 | 11.8             |
| 250         | 35891       | 1892         | -42        | .          | 16                | 13.4            | 17                 | 17.1             | 17                | 19.7            | 14                 | 10.0             | 13                | 6.8             | 15                 | 9.5              | 17                | 9.7             | 17                 | 13.2             |
| 200         | 40738       | 2076         | -54        | .          | 19                | 11.4            | 19                 | 9.5              | 18                | 15.0            | 16                 | 15.3             | 14                | 5.3             | 17                 | 8.8              | 20                | 15.5            | 20                 | 18.9             |
| 150         | 46629       | 1982         | -68        | .          | 16                | 8.1             | 14                 | 7.2              | 20                | 15.5            | 19                 | 16.9             | 12                | 4.2             | 16                 | 6.8              | 22                | 22.7            | 21                 | 18.1             |
| 100         | 54391       | 1308         | -77        | .          | 12                | 8.1             | 11                 | 9.7              | 16                | 19.0            | 14                 | 9.0              | 10                | 6.3             | 12                 | 15.0             | 16                | 19.4            | 16                 | 13.2             |
| 70          | 61059       | 555          | -76        | .          | 13                | 10.1            | 12                 | 12.3             | 17                | 21.3            | 14                 | 13.6             | 13                | 5.7             | 18                 | 12.9             | 16                | 13.6            | 12                 | 9.9              |
| 50          | 67533       | 26           | -67        | .          | 21                | 13.0            | 15                 | 10.7             | 20                | 20.3            | 13                 | 10.5             | 14                | 5.4             | 21                 | 10.3             | 18                | 16.7            | 17                 | 12.3             |
| 30          | 77788       | -456         | -59        | .          | 35                | 9.3             | 26                 | 10.9             | 29                | 35.5            | 11                 | 5.2              | 16                | 6.0             | 21                 | 8.5              | 15                | 10.9            | 30                 | 12.3             |
| 20          | 86365       | -516         | -53        | .          | 34                | 5.2             | 7                  | 1.7              | 13                | 13.3            | 8                  | 3.8              | 7                 | 1.5             | 12                 | 5.2              | 16                | 7.4             | 30                 | 11.3             |
| 10          | 101246      | -639         | -43        | .          | 68                | 10.5            | 14                 | 3.5              | 25                | 26.7            | 17                 | 7.8              | 13                | 3.0             | 24                 | 10.5             | 31                | 14.9            | 61                 | 22.8             |

MAR Latitude=-2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 21  | 0     | 0.0  | 10    | 1.6  | 5     | 15.1 | 0     | 0.0  |
| 1000 | 259    | -105 | 28  | 23  | 4     | 1.1  | 9     | 7.7  | 7     | 10.4 | 3     | 1.1  |
| 850  | 4927   | 147  | 20  | 13  | 8     | 2.5  | 10    | 28.2 | 8     | 8.0  | 5     | 0.9  |
| 700  | 10326  | 444  | 10  | 1   | 9     | 18.2 | 10    | 35.9 | 5     | 1.6  | 6     | 2.7  |
| 500  | 19242  | 953  | -6  | -16 | 7     | 6.2  | 11    | 23.3 | 5     | 2.9  | 7     | 3.2  |
| 400  | 24873  | 1299 | -16 | -28 | 9     | 5.6  | 13    | 23.5 | 7     | 3.2  | 7     | 2.7  |
| 300  | 31787  | 1722 | -31 | -44 | 10    | 6.6  | 14    | 15.1 | 9     | 4.1  | 11    | 4.6  |
| 250  | 35932  | 1933 | -41 | .   | 11    | 6.6  | 15    | 12.9 | 11    | 5.8  | 14    | 6.2  |
| 200  | 40790  | 2128 | -53 | .   | 13    | 5.3  | 17    | 10.4 | 12    | 5.1  | 17    | 14.1 |
| 150  | 46689  | 2042 | -68 | .   | 10    | 4.6  | 13    | 8.7  | 11    | 4.6  | 19    | 18.2 |
| 100  | 54444  | 1361 | -77 | .   | 10    | 6.9  | 11    | 12.9 | 9     | 5.3  | 12    | 19.0 |
| 70   | 61104  | 600  | -76 | .   | 8     | 5.7  | 11    | 10.7 | 9     | 6.1  | 16    | 16.3 |
| 50   | 67567  | 60   | -65 | .   | 10    | 5.6  | 17    | 8.7  | 9     | 4.8  | 24    | 25.9 |
| 30   | 77883  | -361 | -59 | .   | 16    | 4.5  | 17    | 6.4  | 11    | 3.2  | 27    | 21.4 |
| 20   | 86494  | -387 | -52 | .   | 14    | 2.3  | 21    | 2.6  | 16    | 1.7  | 25    | 13.1 |
| 10   | 101402 | -483 | -40 | .   | 29    | 4.8  | 43    | 5.4  | 32    | 3.5  | 51    | 26.4 |

MAR Latitude=-2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW  | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|-----|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  |
| SFC  | .      | .    | 28  | 25  | 2     | 0.3  | 10    | 9.0  | 7     | 8.0 | 3     | 0.3  |
| 1000 | 265    | -99  | 27  | 24  | 5     | 1.7  | 10    | 23.7 | 8     | 4.8 | 3     | 0.8  |
| 850  | 4928   | 148  | 20  | 11  | 6     | 7.4  | 9     | 19.8 | 7     | 9.0 | 4     | 4.3  |
| 700  | 10323  | 441  | 10  | 0   | 9     | 16.9 | 8     | 20.3 | 6     | 6.9 | 6     | 5.3  |
| 500  | 19240  | 951  | -6  | -15 | 7     | 7.0  | 12    | 23.3 | 8     | 2.9 | 7     | 3.0  |
| 400  | 24874  | 1300 | -16 | -27 | 10    | 5.4  | 13    | 20.6 | 9     | 3.5 | 8     | 4.3  |
| 300  | 31789  | 1724 | -32 | -44 | 10    | 5.1  | 14    | 16.7 | 10    | 4.0 | 14    | 7.2  |
| 250  | 35932  | 1933 | -41 | .   | 13    | 5.1  | 14    | 15.8 | 13    | 4.0 | 15    | 9.3  |
| 200  | 40788  | 2126 | -53 | .   | 12    | 6.7  | 18    | 12.5 | 10    | 4.1 | 18    | 14.8 |
| 150  | 46686  | 2039 | -68 | .   | 12    | 4.9  | 15    | 11.4 | 11    | 8.0 | 19    | 20.8 |
| 100  | 54442  | 1359 | -77 | .   | 10    | 6.9  | 13    | 15.3 | 9     | 7.9 | 13    | 18.7 |
| 70   | 61104  | 600  | -76 | .   | 8     | 6.4  | 13    | 10.7 | 10    | 5.9 | 16    | 15.0 |
| 50   | 67569  | 62   | -66 | .   | 12    | 5.1  | 16    | 10.6 | 12    | 7.5 | 24    | 24.8 |
| 30   | 77881  | -363 | -59 | .   | 15    | 6.1  | 20    | 26.1 | 9     | 5.3 | 24    | 17.5 |
| 20   | 86492  | -389 | -52 | .   | 18    | 1.4  | 22    | 19.9 | 10    | 4.5 | 25    | 10.2 |
| 10   | 101400 | -485 | -40 | .   | 37    | 2.9  | 43    | 39.9 | 32    | 3.8 | 50    | 20.6 |

MAR Latitude=-2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 25         | 5                 | 4.5             | 8                  | 35.4             | 8                 | 44.8            | 7                  | 9.3              | 4                 | 2.9             | 4                  | 0.9              | 1                 | 0.3             | 6                  | 1.6              |
| 1000        | 272         | -92          | 27         | 24         | 5                 | 3.8             | 10                 | 40.9             | 10                | 44.3            | 8                  | 6.6              | 5                 | 2.0             | 4                  | 0.8              | 3                 | 0.4             | 7                  | 0.8              |
| 850         | 4931        | 151          | 19         | 12         | 5                 | 4.6             | 9                  | 13.5             | 10                | 30.9            | 9                  | 23.0             | 8                 | 8.5             | 7                  | 6.7              | 8                 | 5.4             | 7                  | 5.9              |
| 700         | 10322       | 440          | 10         | -0         | 8                 | 9.1             | 7                  | 10.4             | 8                 | 20.3            | 8                  | 17.5             | 7                 | 12.9            | 8                  | 8.3              | 8                 | 10.1            | 9                  | 10.1             |
| 500         | 19238       | 949          | -6         | -15        | 9                 | 8.2             | 12                 | 23.5             | 13                | 36.6            | 12                 | 14.3             | 8                 | 4.8             | 7                  | 3.3              | 7                 | 3.2             | 7                  | 4.8              |
| 400         | 24871       | 1297         | -16        | -27        | 9                 | 6.4             | 13                 | 21.7             | 16                | 41.6            | 11                 | 13.0             | 9                 | 3.8             | 8                  | 3.2              | 9                 | 5.1             | 7                  | 3.8              |
| 300         | 31786       | 1721         | -32        | -43        | 10                | 4.5             | 15                 | 15.4             | 18                | 42.2            | 13                 | 12.2             | 12                | 5.1             | 10                 | 5.4              | 15                | 8.5             | 15                 | 5.9              |
| 250         | 35929       | 1930         | -41        | .          | 14                | 4.6             | 16                 | 16.1             | 20                | 34.6            | 16                 | 13.8             | 14                | 5.1             | 13                 | 5.9              | 17                | 11.6            | 17                 | 7.7              |
| 200         | 40786       | 2124         | -53        | .          | 14                | 6.2             | 20                 | 12.0             | 23                | 28.7            | 19                 | 13.5             | 10                | 5.3             | 13                 | 7.7              | 18                | 14.9            | 19                 | 11.2             |
| 150         | 46683       | 2036         | -68        | .          | 14                | 5.6             | 18                 | 9.8              | 28                | 21.4            | 20                 | 16.4             | 11                | 5.1             | 12                 | 8.5              | 20                | 20.3            | 17                 | 12.2             |
| 100         | 54436       | 1353         | -77        | .          | 11                | 8.3             | 15                 | 13.2             | 18                | 18.3            | 11                 | 10.6             | 8                 | 6.7             | 10                 | 12.5             | 14                | 16.9            | 11                 | 12.5             |
| 70          | 61102       | 598          | -76        | .          | 9                 | 4.4             | 12                 | 14.3             | 16                | 24.7            | 13                 | 15.5             | 10                | 6.0             | 13                 | 6.2              | 16                | 17.5            | 14                 | 9.8              |
| 50          | 67570       | 63           | -66        | .          | 12                | 4.8             | 16                 | 10.8             | 20                | 25.1            | 10                 | 8.8              | 10                | 4.5             | 16                 | 7.4              | 24                | 25.8            | 23                 | 11.7             |
| 30          | 77888       | -356         | -59        | .          | 15                | 5.9             | 24                 | 11.7             | 33                | 34.0            | 14                 | 9.1              | 13                | 4.6             | 17                 | 6.9              | 24                | 17.2            | 37                 | 10.1             |
| 20          | 86499       | -382         | -52        | .          | 24                | 0.7             | 22                 | 2.5              | 21                | 20.5            | 12                 | 1.7              | 17                | 1.7             | 16                 | 6.8              | 24                | 9.5             | 38                 | 5.9              |
| 10          | 101400      | -485         | -40        | .          | 49                | 1.6             | 45                 | 5.1              | 43                | 41.2            | 24                 | 3.5              | 34                | 3.5             | 32                 | 13.8             | 48                | 19.0            | 77                 | 11.9             |

MAR Latitude= 0.00 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 31         | 19         | 0                 | 0.0             | 6                  | 1.2              | 7                 | 28.7            | 7                  | 61.9             | 7                 | 7.7             | 4                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 248         | -116         | 29         | 21         | 0                 | 0.0             | 6                  | 2.0              | 9                 | 31.9            | 10                 | 54.6             | 7                 | 8.5             | 5                  | 1.1              | 4                 | 0.6             | 3                  | 0.4              |
| 850         | 4926        | 146          | 20         | 14         | 4                 | 0.8             | 10                 | 8.8              | 11                | 49.3            | 10                 | 35.9             | 7                 | 3.7             | 4                  | 0.4              | 0                 | 0.0             | 6                  | 0.6              |
| 700         | 10327       | 445          | 10         | 2          | 10                | 7.9             | 11                 | 40.4             | 10                | 36.6            | 8                  | 8.7              | 5                 | 0.9             | 4                  | 0.6              | 5                 | 1.2             | 6                  | 2.9              |
| 500         | 19242       | 953          | -6         | -17        | 7                 | 5.3             | 11                 | 25.0             | 15                | 46.9            | 10                 | 13.3             | 4                 | 1.4             | 6                  | 2.2              | 7                 | 2.4             | 6                  | 2.5              |
| 400         | 24870       | 1296         | -16        | -29        | 10                | 5.3             | 14                 | 22.4             | 17                | 49.1            | 12                 | 10.1             | 9                 | 1.9             | 9                  | 1.4              | 9                 | 3.8             | 10                 | 5.3              |
| 300         | 31784       | 1719         | -31        | -45        | 12                | 6.7             | 13                 | 17.9             | 18                | 43.8            | 14                 | 10.4             | 9                 | 3.8             | 12                 | 4.0              | 16                | 5.4             | 16                 | 6.9              |
| 250         | 35931       | 1932         | -41        | .          | 13                | 8.2             | 14                 | 15.3             | 18                | 29.8            | 17                 | 16.4             | 12                | 5.1             | 13                 | 6.1              | 17                | 9.5             | 17                 | 8.8              |
| 200         | 40791       | 2129         | -53        | .          | 12                | 7.2             | 14                 | 11.2             | 21                | 22.5            | 18                 | 15.3             | 11                | 5.8             | 13                 | 6.4              | 18                | 18.5            | 17                 | 12.4             |
| 150         | 46693       | 2046         | -68        | .          | 11                | 8.0             | 13                 | 9.1              | 24                | 21.4            | 22                 | 14.1             | 11                | 5.8             | 12                 | 5.8              | 20                | 19.1            | 16                 | 15.8             |
| 100         | 54443       | 1360         | -77        | .          | 10                | 8.7             | 11                 | 12.7             | 16                | 20.8            | 12                 | 8.8              | 7                 | 5.4             | 10                 | 8.0              | 13                | 19.3            | 11                 | 15.8             |
| 70          | 61104       | 600          | -76        | .          | 9                 | 4.1             | 10                 | 9.1              | 16                | 18.9            | 13                 | 17.2             | 9                 | 8.2             | 12                 | 8.7              | 17                | 20.4            | 16                 | 12.3             |
| 50          | 67572       | 65           | -67        | .          | 11                | 5.4             | 17                 | 9.3              | 18                | 20.9            | 14                 | 9.8              | 11                | 4.6             | 10                 | 6.9              | 23                | 29.1            | 18                 | 13.2             |
| 30          | 77900       | -344         | -59        | .          | 13                | 3.2             | 23                 | 8.3              | 34                | 31.1            | 13                 | 9.1              | 14                | 5.8             | 19                 | 7.7              | 30                | 24.0            | 22                 | 10.3             |
| 20          | 86515       | -366         | -52        | .          | 15                | 0.9             | 17                 | 3.8              | 20                | 19.1            | 12                 | 3.1              | 20                | 1.2             | 17                 | 2.6              | 27                | 13.6            | 20                 | 4.9              |
| 10          | 101407      | -478         | -40        | .          | 31                | 1.9             | 35                 | 7.7              | 40                | 38.3            | 24                 | 6.4              | 41                | 2.5             | 33                 | 5.4              | 54                | 27.4            | 41                 | 9.9              |

MAR Latitude= 0.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S   | SW  | SW   | W   | W    | NW  | NW   |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|------|-----|------|-----|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  |
| SFC  | .      | .    | 31  | 21  | 0   | 0.0  | 8   | 0.3  | 9   | 43.8 | 8   | 51.9 | 8   | 3.8 | 0   | 0.0  | 0   | 0.0  | 0   | 0.0  |
| 1000 | 254    | -110 | 28  | 22  | 4   | 1.1  | 7   | 5.1  | 12  | 57.2 | 11  | 31.2 | 8   | 3.3 | 4   | 0.6  | 3   | 0.6  | 3   | 0.1  |
| 850  | 4927   | 147  | 20  | 11  | 5   | 2.2  | 12  | 24.8 | 11  | 43.8 | 10  | 18.8 | 8   | 6.2 | 6   | 2.0  | 0   | 0.0  | 5   | 0.9  |
| 700  | 10324  | 442  | 10  | 0   | 9   | 12.5 | 11  | 29.3 | 10  | 30.3 | 8   | 13.7 | 6   | 4.8 | 4   | 2.9  | 4   | 1.6  | 7   | 3.8  |
| 500  | 19239  | 950  | -5  | -16 | 9   | 6.7  | 13  | 23.7 | 15  | 44.5 | 11  | 12.5 | 6   | 3.3 | 7   | 2.4  | 7   | 2.9  | 5   | 2.4  |
| 400  | 24871  | 1297 | -16 | -28 | 10  | 5.6  | 14  | 21.4 | 18  | 49.6 | 13  | 9.3  | 8   | 2.0 | 10  | 1.7  | 9   | 4.8  | 9   | 4.9  |
| 300  | 31786  | 1721 | -31 | -44 | 12  | 6.6  | 14  | 17.5 | 18  | 41.6 | 14  | 11.2 | 10  | 3.7 | 11  | 3.8  | 17  | 5.9  | 15  | 8.7  |
| 250  | 35930  | 1931 | -41 | .   | 11  | 7.7  | 14  | 15.6 | 19  | 31.1 | 17  | 12.9 | 14  | 5.6 | 14  | 6.1  | 18  | 11.1 | 18  | 9.3  |
| 200  | 40787  | 2125 | -53 | .   | 12  | 6.7  | 17  | 11.1 | 22  | 22.5 | 19  | 13.0 | 11  | 6.1 | 12  | 6.6  | 20  | 18.8 | 17  | 14.8 |
| 150  | 46687  | 2040 | -68 | .   | 12  | 9.1  | 16  | 9.1  | 26  | 18.3 | 22  | 12.7 | 13  | 6.7 | 12  | 7.4  | 19  | 21.4 | 18  | 14.5 |
| 100  | 54442  | 1359 | -77 | .   | 10  | 9.0  | 13  | 14.5 | 16  | 17.0 | 12  | 9.1  | 8   | 7.0 | 10  | 10.6 | 13  | 19.1 | 12  | 12.9 |
| 70   | 61103  | 599  | -76 | .   | 8   | 4.6  | 12  | 10.0 | 16  | 19.8 | 13  | 17.7 | 9   | 7.1 | 12  | 9.3  | 17  | 18.8 | 15  | 11.8 |
| 50   | 67569  | 62   | -67 | .   | 13  | 5.1  | 17  | 9.5  | 18  | 21.7 | 14  | 8.5  | 8   | 6.4 | 14  | 7.4  | 23  | 26.6 | 21  | 14.5 |
| 30   | 77887  | -357 | -59 | .   | 15  | 4.5  | 26  | 11.9 | 34  | 27.7 | 15  | 10.4 | 13  | 6.6 | 21  | 7.5  | 28  | 19.9 | 29  | 11.1 |
| 20   | 86499  | -382 | -52 | .   | 16  | 0.9  | 19  | 3.0  | 20  | 19.0 | 11  | 3.0  | 16  | 1.8 | 16  | 4.7  | 26  | 10.4 | 26  | 6.5  |
| 10   | 101399 | -486 | -40 | .   | 32  | 1.9  | 38  | 6.1  | 41  | 38.0 | 22  | 6.1  | 32  | 3.8 | 33  | 9.6  | 53  | 20.9 | 52  | 13.2 |

MAR Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N   | NE  | NE   | E   | E    | SE  | SE   | S   | S   | SW  | SW   | W   | W    | NW  | NW   |
|------|--------|------|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|-----|-----|------|-----|------|-----|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  |
| SFC  | .      | .    | 28  | 25  | 0   | 0.0 | 11  | 19.3 | 10  | 67.4 | 8   | 11.9 | 5   | 0.9 | 8   | 0.3  | 0   | 0.0  | 0   | 0.0  |
| 1000 | 273    | -91  | 27  | 23  | 8   | 1.4 | 12  | 25.6 | 12  | 61.9 | 9   | 8.3  | 7   | 1.1 | 7   | 0.3  | 2   | 0.1  | 2   | 0.4  |
| 850  | 4927   | 147  | 20  | 10  | 6   | 5.4 | 10  | 21.9 | 12  | 43.5 | 10  | 16.4 | 8   | 6.2 | 6   | 2.9  | 6   | 1.4  | 6   | 1.4  |
| 700  | 10321  | 439  | 10  | -1  | 9   | 9.0 | 10  | 21.2 | 9   | 25.9 | 8   | 17.5 | 8   | 8.5 | 6   | 4.6  | 5   | 4.0  | 7   | 8.2  |
| 500  | 19237  | 948  | -5  | -16 | 9   | 6.6 | 13  | 25.6 | 15  | 40.9 | 11  | 12.0 | 7   | 4.6 | 6   | 2.2  | 7   | 3.7  | 6   | 3.2  |
| 400  | 24870  | 1296 | -16 | -28 | 9   | 7.4 | 14  | 16.9 | 18  | 50.3 | 11  | 9.0  | 9   | 2.5 | 10  | 4.1  | 11  | 5.1  | 8   | 4.1  |
| 300  | 31785  | 1720 | -31 | -44 | 11  | 7.2 | 15  | 13.7 | 18  | 40.8 | 13  | 12.7 | 12  | 4.3 | 12  | 5.8  | 16  | 7.2  | 16  | 7.5  |
| 250  | 35930  | 1931 | -41 | .   | 11  | 7.5 | 16  | 15.4 | 20  | 29.1 | 17  | 12.5 | 13  | 7.5 | 15  | 6.7  | 19  | 11.4 | 19  | 9.0  |
| 200  | 40787  | 2125 | -53 | .   | 12  | 8.0 | 20  | 11.2 | 23  | 21.6 | 19  | 12.9 | 12  | 6.1 | 13  | 7.7  | 20  | 17.7 | 20  | 13.5 |
| 150  | 46685  | 2038 | -68 | .   | 15  | 7.5 | 17  | 7.9  | 27  | 19.5 | 23  | 11.9 | 11  | 8.2 | 13  | 9.3  | 18  | 21.9 | 18  | 14.5 |
| 100  | 54440  | 1357 | -77 | .   | 13  | 9.0 | 15  | 12.0 | 17  | 19.1 | 12  | 9.3  | 9   | 6.2 | 10  | 11.9 | 13  | 18.0 | 12  | 13.7 |
| 70   | 61104  | 600  | -76 | .   | 8   | 4.6 | 11  | 10.5 | 16  | 23.4 | 12  | 16.8 | 9   | 4.8 | 13  | 8.7  | 17  | 18.9 | 15  | 11.1 |
| 50   | 67572  | 65   | -67 | .   | 12  | 4.5 | 14  | 12.0 | 19  | 21.4 | 12  | 8.3  | 7   | 5.4 | 15  | 9.0  | 23  | 25.8 | 22  | 13.0 |
| 30   | 77890  | -354 | -59 | .   | 16  | 5.1 | 24  | 13.3 | 33  | 28.3 | 15  | 10.4 | 14  | 5.4 | 22  | 7.9  | 25  | 19.0 | 37  | 10.1 |
| 20   | 86505  | -376 | -52 | .   | 23  | 0.4 | 22  | 2.8  | 20  | 19.6 | 11  | 2.8  | 16  | 2.5 | 15  | 5.9  | 22  | 9.0  | 39  | 6.4  |
| 10   | 101401 | -484 | -40 | .   | 45  | 0.9 | 43  | 5.8  | 40  | 39.3 | 22  | 5.8  | 31  | 5.1 | 30  | 11.9 | 44  | 18.0 | 78  | 12.9 |

MAR Latitude= 2.50 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 17         | 0                 | 0.0             | 0                  | 0.0              | 7                 | 15.1            | 7                  | 79.0             | 7                 | 5.8             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 268         | -96          | 30         | 20         | 0                 | 0.0             | 5                  | 0.8              | 9                 | 19.6            | 10                 | 68.2             | 8                 | 8.3             | 5                  | 1.2              | 4                 | 0.4             | 3                  | 0.8              |
| 850         | 4922        | 142          | 21         | 15         | 2                 | 0.1             | 8                  | 1.4              | 13                | 42.5            | 13                 | 50.3             | 10                | 4.1             | 4                  | 0.3              | 5                 | 0.1             | 3                  | 0.6              |
| 700         | 10329       | 447          | 10         | 4          | 8                 | 2.9             | 14                 | 40.8             | 12                | 39.5            | 10                 | 11.7             | 6                 | 2.2             | 4                  | 0.6              | 4                 | 0.8             | 5                  | 0.8              |
| 500         | 19247       | 958          | -6         | -17        | 7                 | 5.8             | 12                 | 22.9             | 16                | 50.0            | 10                 | 12.9             | 7                 | 2.5             | 7                  | 0.8              | 7                 | 1.2             | 8                  | 3.5              |
| 400         | 24871       | 1297         | -16        | -28        | 11                | 5.3             | 14                 | 22.4             | 18                | 48.5            | 13                 | 9.0              | 9                 | 3.2             | 10                 | 2.0              | 11                | 4.3             | 10                 | 4.9              |
| 300         | 31777       | 1712         | -31        | -45        | 12                | 7.9             | 15                 | 17.4             | 18                | 38.8            | 14                 | 12.2             | 9                 | 4.8             | 11                 | 3.2              | 18                | 7.2             | 17                 | 8.2              |
| 250         | 35929       | 1930         | -41        | .          | 13                | 11.7            | 13                 | 15.8             | 18                | 27.2            | 17                 | 11.2             | 11                | 6.6             | 13                 | 4.6              | 19                | 9.6             | 16                 | 12.5             |
| 200         | 40790       | 2128         | -53        | .          | 13                | 10.6            | 14                 | 9.9              | 20                | 17.2            | 17                 | 14.8             | 12                | 6.6             | 11                 | 5.9              | 20                | 18.0            | 18                 | 16.2             |
| 150         | 46693       | 2046         | -68        | .          | 13                | 9.3             | 13                 | 9.0              | 21                | 17.2            | 21                 | 12.9             | 10                | 6.6             | 11                 | 6.4              | 21                | 19.5            | 17                 | 18.8             |
| 100         | 54437       | 1354         | -77        | .          | 10                | 10.4            | 11                 | 12.0             | 15                | 19.6            | 12                 | 9.6              | 8                 | 6.4             | 10                 | 9.1              | 15                | 18.3            | 12                 | 13.7             |
| 70          | 61096       | 592          | -76        | .          | 9                 | 5.0             | 12                 | 6.0              | 15                | 21.8            | 14                 | 15.5             | 10                | 8.0             | 13                 | 9.3              | 19                | 21.6            | 14                 | 11.6             |
| 50          | 67570       | 63           | -66        | .          | 15                | 5.3             | 12                 | 9.0              | 17                | 20.4            | 14                 | 8.7              | 12                | 6.9             | 12                 | 8.0              | 22                | 26.6            | 17                 | 14.8             |
| 30          | 77912       | -332         | -59        | .          | 13                | 4.9             | 20                 | 11.4             | 30                | 27.7            | 17                 | 9.8              | 18                | 6.7             | 20                 | 8.5              | 29                | 22.0            | 22                 | 8.2              |
| 20          | 86535       | -346         | -52        | .          | 16                | 1.4             | 16                 | 3.1              | 18                | 17.5            | 10                 | 4.1              | 15                | 2.2             | 16                 | 4.7              | 26                | 11.8            | 17                 | 4.5              |
| 10          | 101412      | -473         | -40        | .          | 32                | 2.9             | 33                 | 6.4              | 36                | 35.1            | 20                 | 8.3              | 30                | 4.5             | 32                 | 9.6              | 52                | 23.8            | 35                 | 9.0              |

MAR Latitude= 2.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 31         | 18         | 0                 | 0.0             | 7                  | 0.9              | 8                 | 38.0            | 7                  | 53.5             | 6                 | 7.4             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 260         | -104         | 30         | 20         | 3                 | 0.1             | 6                  | 2.9              | 10                | 44.1            | 10                 | 43.5             | 7                 | 7.0             | 4                  | 1.1              | 3                 | 0.6             | 4                  | 0.1              |
| 850         | 4928        | 148          | 20         | 13         | 4                 | 0.1             | 13                 | 11.6             | 12                | 57.2            | 10                 | 23.7             | 9                 | 5.4             | 6                  | 0.8              | 0                 | 0.0             | 4                  | 0.6              |
| 700         | 10329       | 447          | 10         | 2          | 9                 | 7.5             | 13                 | 41.6             | 11                | 29.3            | 10                 | 13.2             | 6                 | 4.1             | 7                  | 1.4              | 4                 | 0.4             | 6                  | 1.6              |
| 500         | 19241       | 952          | -6         | -17        | 7                 | 6.7             | 13                 | 23.2             | 16                | 48.0            | 11                 | 13.3             | 8                 | 2.2             | 5                  | 0.6              | 7                 | 1.9             | 9                  | 2.9              |
| 400         | 24869       | 1295         | -16        | -29        | 12                | 5.6             | 15                 | 22.2             | 19                | 47.5            | 13                 | 10.4             | 10                | 1.7             | 12                 | 2.5              | 11                | 5.1             | 10                 | 4.3              |
| 300         | 31780       | 1715         | -31        | -45        | 12                | 7.7             | 14                 | 17.4             | 17                | 37.7            | 15                 | 11.4             | 10                | 3.8             | 11                 | 3.7              | 19                | 7.7             | 15                 | 9.9              |
| 250         | 35929       | 1930         | -41        | .          | 13                | 10.8            | 14                 | 17.0             | 19                | 22.9            | 16                 | 12.4             | 11                | 6.2             | 12                 | 6.4              | 20                | 11.2            | 17                 | 12.4             |
| 200         | 40787       | 2125         | -53        | .          | 13                | 9.1             | 16                 | 11.2             | 21                | 16.4            | 17                 | 13.5             | 11                | 5.9             | 12                 | 6.7              | 20                | 19.3            | 20                 | 17.4             |
| 150         | 46688       | 2041         | -68        | .          | 15                | 10.3            | 14                 | 8.0              | 23                | 17.2            | 21                 | 11.1             | 12                | 7.2             | 13                 | 8.0              | 20                | 19.5            | 18                 | 18.0             |
| 100         | 54439       | 1356         | -77        | .          | 10                | 11.2            | 13                 | 12.2             | 14                | 17.7            | 12                 | 9.8              | 9                 | 6.6             | 11                 | 10.3             | 14                | 20.1            | 14                 | 11.6             |
| 70          | 61100       | 596          | -76        | .          | 11                | 7.1             | 12                 | 8.4              | 15                | 20.7            | 13                 | 16.3             | 10                | 6.6             | 12                 | 11.4             | 19                | 18.8            | 17                 | 10.0             |
| 50          | 67569       | 62           | -66        | .          | 15                | 5.8             | 15                 | 9.0              | 18                | 21.2            | 13                 | 9.3              | 12                | 6.1             | 13                 | 8.3              | 21                | 24.0            | 19                 | 15.4             |
| 30          | 77902       | -342         | -59        | .          | 16                | 4.8             | 24                 | 12.9             | 31                | 25.4            | 16                 | 11.4             | 17                | 7.9             | 20                 | 9.0              | 28                | 17.9            | 27                 | 10.3             |
| 20          | 86518       | -363         | -52        | .          | 17                | 1.0             | 15                 | 3.3              | 18                | 16.7            | 10                 | 4.7              | 15                | 3.5             | 13                 | 5.1              | 25                | 8.0             | 24                 | 6.8              |
| 10          | 101410      | -475         | -40        | .          | 35                | 2.2             | 30                 | 6.7              | 37                | 33.5            | 20                 | 9.6              | 30                | 7.0             | 26                 | 10.3             | 50                | 16.1            | 48                 | 13.8             |

MAR Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 20         | 0                 | 0.0             | 10                 | 4.1              | 10                | 68.7            | 9                  | 25.4             | 8                 | 1.6             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 267         | -97          | 28         | 20         | 5                 | 0.8             | 10                 | 9.3              | 12                | 67.4            | 10                 | 19.3             | 8                 | 1.7             | 4                  | 0.4              | 2                 | 0.4             | 2                  | 0.3              |
| 850         | 4927        | 147          | 20         | 11         | 7                 | 0.6             | 14                 | 26.4             | 13                | 54.3            | 10                 | 10.8             | 8                 | 4.9             | 6                  | 1.7              | 4                 | 0.1             | 2                  | 0.4              |
| 700         | 10323       | 441          | 10         | -0         | 10                | 10.8            | 12                 | 31.2             | 10                | 26.1            | 9                  | 15.3             | 7                 | 6.9             | 5                  | 2.5              | 5                 | 2.2             | 6                  | 4.1              |
| 500         | 19238       | 949          | -6         | -17        | 9                 | 7.0             | 14                 | 24.8             | 16                | 43.8            | 10                 | 12.7             | 7                 | 2.7             | 6                  | 1.7              | 7                 | 2.4             | 8                  | 3.8              |
| 400         | 24868       | 1294         | -16        | -29        | 10                | 8.2             | 14                 | 17.7             | 19                | 49.1            | 13                 | 9.3              | 9                 | 2.2             | 11                 | 4.9              | 13                | 4.0             | 10                 | 3.8              |
| 300         | 31781       | 1716         | -31        | -45        | 13                | 8.8             | 14                 | 15.8             | 18                | 35.3            | 15                 | 12.2             | 10                | 5.8             | 13                 | 5.1              | 16                | 9.6             | 18                 | 6.6              |
| 250         | 35928       | 1929         | -41        | .          | 12                | 8.8             | 15                 | 14.8             | 19                | 24.1            | 16                 | 11.9             | 14                | 8.8             | 14                 | 8.0              | 20                | 12.0            | 20                 | 10.6             |
| 200         | 40785       | 2123         | -53        | .          | 13                | 9.6             | 18                 | 9.9              | 22                | 16.6            | 18                 | 13.7             | 12                | 6.7             | 15                 | 8.5              | 22                | 18.8            | 20                 | 15.6             |
| 150         | 46684       | 2037         | -68        | .          | 14                | 8.7             | 16                 | 8.2              | 25                | 16.1            | 21                 | 11.7             | 13                | 8.2             | 16                 | 9.9              | 20                | 20.1            | 19                 | 16.4             |
| 100         | 54437       | 1354         | -77        | .          | 12                | 11.2            | 13                 | 10.9             | 15                | 19.1            | 13                 | 7.9              | 10                | 7.2             | 11                 | 12.0             | 14                | 17.9            | 13                 | 12.2             |
| 70          | 61101       | 597          | -76        | .          | 9                 | 7.5             | 12                 | 10.2             | 15                | 21.8            | 13                 | 16.3             | 9                 | 6.8             | 13                 | 10.5             | 18                | 17.5            | 17                 | 8.7              |
| 50          | 67569       | 62           | -67        | .          | 14                | 6.9             | 16                 | 9.3              | 18                | 21.6            | 13                 | 9.9              | 10                | 5.6             | 14                 | 9.0              | 21                | 22.2            | 19                 | 14.9             |
| 30          | 77896       | -348         | -59        | .          | 19                | 5.3             | 24                 | 14.5             | 30                | 26.6            | 16                 | 10.1             | 17                | 7.9             | 19                 | 9.1              | 25                | 15.9            | 33                 | 10.3             |
| 20          | 86515       | -366         | -52        | .          | 17                | 0.7             | 20                 | 3.6              | 17                | 17.2            | 10                 | 4.9              | 16                | 4.1             | 12                 | 4.9              | 22                | 6.2             | 30                 | 7.6              |
| 10          | 101407      | -478         | -40        | .          | 34                | 1.6             | 40                 | 7.4              | 35                | 34.5            | 20                 | 9.9              | 32                | 8.3             | 25                 | 9.9              | 45                | 12.5            | 60                 | 15.4             |

MAR Latitude= 5.00 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 23         | 13         | 0                 | 0.0             | 4                  | 2.5              | 5                 | 34.1            | 6                  | 60.6             | 4                 | 2.5             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 329         | -35          | 29         | 20         | 0                 | 0.0             | 7                  | 3.2              | 8                 | 26.6            | 10                 | 57.0             | 7                 | 9.6             | 5                  | 2.9              | 6                 | 0.4             | 0                  | 0.0              |
| 850         | 4920        | 140          | 22         | 14         | 0                 | 0.0             | 6                  | 0.4              | 10                | 29.5            | 11                 | 57.2             | 9                 | 11.2            | 7                  | 0.9              | 7                 | 0.3             | 0                  | 0.0              |
| 700         | 10336       | 454          | 10         | 5          | 5                 | 1.9             | 12                 | 24.6             | 12                | 45.4            | 10                 | 17.4             | 6                 | 6.1             | 6                  | 1.9              | 6                 | 0.9             | 6                  | 1.2              |
| 500         | 19251       | 962          | -6         | -18        | 9                 | 6.6             | 14                 | 28.7             | 16                | 45.3            | 11                 | 10.4             | 9                 | 2.5             | 3                  | 1.2              | 6                 | 1.1             | 7                  | 3.2              |
| 400         | 24883       | 1309         | -17        | -28        | 9                 | 7.5             | 14                 | 20.6             | 17                | 44.1            | 12                 | 11.4             | 9                 | 3.8             | 9                  | 2.5              | 10                | 5.6             | 10                 | 4.0              |
| 300         | 31771       | 1706         | -31        | -44        | 15                | 11.1            | 14                 | 14.5             | 18                | 32.4            | 14                 | 14.9             | 10                | 5.1             | 11                 | 4.1              | 17                | 8.2             | 17                 | 8.7              |
| 250         | 35929       | 1930         | -42        | .          | 14                | 12.9            | 14                 | 15.3             | 17                | 22.5            | 16                 | 10.4             | 13                | 5.6             | 10                 | 6.1              | 17                | 12.2            | 18                 | 14.3             |
| 200         | 40788       | 2126         | -53        | .          | 16                | 13.3            | 14                 | 12.9             | 19                | 13.7            | 16                 | 10.3             | 14                | 6.9             | 13                 | 5.6              | 20                | 17.5            | 19                 | 19.0             |
| 150         | 46690       | 2043         | -68        | .          | 14                | 13.5            | 14                 | 9.6              | 17                | 10.6            | 21                 | 11.7             | 11                | 6.4             | 12                 | 7.2              | 19                | 20.8            | 19                 | 19.5             |
| 100         | 54425       | 1342         | -77        | .          | 12                | 10.6            | 12                 | 11.6             | 14                | 13.5            | 12                 | 13.0             | 9                 | 5.8             | 11                 | 9.8              | 16                | 19.1            | 13                 | 15.6             |
| 70          | 61078       | 574          | -76        | .          | 11                | 6.8             | 10                 | 11.4             | 15                | 20.0            | 15                 | 14.1             | 11                | 8.4             | 13                 | 10.3             | 21                | 16.4            | 12                 | 11.6             |
| 50          | 67566       | 59           | -66        | .          | 14                | 7.0             | 12                 | 9.9              | 18                | 18.5            | 15                 | 12.0             | 14                | 6.2             | 15                 | 9.1              | 20                | 21.4            | 17                 | 14.8             |
| 30          | 77919       | -325         | -59        | .          | 16                | 7.0             | 17                 | 11.7             | 28                | 24.5            | 17                 | 11.4             | 19                | 7.9             | 18                 | 9.6              | 25                | 18.5            | 18                 | 8.7              |
| 20          | 86549       | -332         | -52        | .          | 16                | 1.4             | 15                 | 3.3              | 14                | 16.2            | 13                 | 5.4              | 13                | 4.5             | 15                 | 5.1              | 23                | 10.1            | 19                 | 3.5              |
| 10          | 101416      | -469         | -40        | .          | 31                | 2.9             | 29                 | 6.7              | 28                | 32.5            | 26                 | 10.9             | 25                | 9.0             | 29                 | 10.3             | 46                | 20.3            | 38                 | 7.0              |

MAR Latitude= 5.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 15         | 0                 | 0.0             | 6                  | 1.6              | 7                 | 34.1            | 7                  | 57.0             | 6                 | 7.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 275         | -89          | 30         | 18         | 0                 | 0.0             | 7                  | 1.7              | 10                | 30.9            | 9                  | 53.5             | 8                 | 9.8             | 8                  | 2.4              | 4                 | 0.9             | 0                  | 0.0              |
| 850         | 4929        | 149          | 21         | 13         | 0                 | 0.0             | 9                  | 3.0              | 12                | 44.6            | 10                 | 38.7             | 10                | 11.2            | 10                 | 1.6              | 4                 | 0.4             | 2                  | 0.1              |
| 700         | 10334       | 452          | 10         | 3          | 7                 | 11.4            | 12                 | 41.9             | 12                | 22.4            | 11                 | 11.6             | 6                 | 4.1             | 5                  | 4.0              | 4                 | 1.4             | 6                  | 2.5              |
| 500         | 19249       | 960          | -6         | -19        | 9                 | 8.0             | 13                 | 25.9             | 17                | 45.9            | 11                 | 10.6             | 8                 | 3.7             | 4                  | 1.1              | 8                 | 1.4             | 7                  | 2.9              |
| 400         | 24875       | 1301         | -16        | -29        | 11                | 7.5             | 15                 | 21.1             | 18                | 43.2            | 14                 | 10.4             | 10                | 3.8             | 10                 | 3.0              | 11                | 4.9             | 9                  | 5.4              |
| 300         | 31778       | 1713         | -31        | -45        | 13                | 11.6            | 15                 | 16.4             | 17                | 31.6            | 14                 | 12.5             | 11                | 4.3             | 10                 | 5.3              | 18                | 8.7             | 17                 | 9.0              |
| 250         | 35927       | 1928         | -42        | .          | 15                | 13.0            | 14                 | 15.6             | 19                | 16.2            | 15                 | 10.9             | 12                | 7.0             | 11                 | 5.8              | 18                | 13.3            | 18                 | 17.4             |
| 200         | 40784       | 2122         | -53        | .          | 14                | 13.0            | 15                 | 9.6              | 20                | 13.5            | 14                 | 12.2             | 14                | 5.8             | 13                 | 6.7              | 21                | 17.9            | 19                 | 20.9             |
| 150         | 46686       | 2039         | -68        | .          | 14                | 13.0            | 15                 | 7.2              | 17                | 11.6            | 21                 | 12.5             | 13                | 5.9             | 14                 | 7.0              | 20                | 22.4            | 19                 | 19.8             |
| 100         | 54430       | 1347         | -77        | .          | 12                | 10.9            | 11                 | 11.6             | 13                | 15.1            | 12                 | 11.1             | 10                | 6.6             | 14                 | 10.1             | 16                | 18.7            | 12                 | 15.4             |
| 70          | 61094       | 590          | -76        | .          | 11                | 7.7             | 11                 | 9.8              | 15                | 18.9            | 14                 | 16.8             | 12                | 8.9             | 13                 | 9.4              | 19                | 16.6            | 14                 | 10.9             |
| 50          | 67570       | 63           | -66        | .          | 13                | 8.0             | 14                 | 8.3              | 18                | 19.8            | 14                 | 12.9             | 14                | 6.1             | 15                 | 8.7              | 19                | 20.6            | 17                 | 15.1             |
| 30          | 77921       | -323         | -59        | .          | 17                | 5.4             | 20                 | 13.2             | 28                | 24.3            | 19                 | 11.7             | 18                | 8.7             | 17                 | 10.9             | 23                | 14.0            | 24                 | 11.4             |
| 20          | 86545       | -336         | -52        | .          | 17                | 1.8             | 14                 | 3.3              | 14                | 16.4            | 14                 | 5.2              | 12                | 4.9             | 12                 | 4.5              | 20                | 7.3             | 25                 | 5.9              |
| 10          | 101418      | -467         | -40        | .          | 34                | 3.8             | 28                 | 6.7              | 29                | 32.9            | 29                 | 10.6             | 24                | 9.9             | 25                 | 9.0              | 40                | 14.8            | 50                 | 11.9             |

MAR Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 30         | 17         | 0                 | 0.0             | 7                  | 0.6              | 10                | 66.4            | 8                  | 30.3             | 8                 | 2.2             | 2                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 281         | -83          | 29         | 19         | 0                 | 0.0             | 8                  | 2.7              | 12                | 59.0            | 9                  | 31.9             | 7                 | 3.7             | 5                  | 1.9              | 3                 | 0.3             | 2                  | 0.3              |
| 850         | 4930        | 150          | 20         | 12         | 3                 | 0.1             | 12                 | 7.9              | 13                | 60.9            | 10                 | 21.1             | 9                 | 6.9             | 6                  | 2.4              | 7                 | 0.1             | 2                  | 0.3              |
| 700         | 10329       | 447          | 10         | 1          | 8                 | 11.9            | 13                 | 40.3             | 13                | 21.9            | 10                 | 11.2             | 6                 | 4.6             | 7                  | 3.5              | 5                 | 2.2             | 5                  | 3.3              |
| 500         | 19245       | 956          | -6         | -19        | 10                | 8.5             | 14                 | 23.0             | 16                | 47.9            | 11                 | 9.5              | 7                 | 3.8             | 7                  | 1.4              | 6                 | 1.1             | 9                  | 3.7              |
| 400         | 24873       | 1299         | -16        | -30        | 12                | 9.3             | 14                 | 21.2             | 19                | 42.0            | 14                 | 10.1             | 10                | 3.7             | 13                 | 4.5              | 12                | 4.0             | 8                  | 4.6              |
| 300         | 31780       | 1715         | -31        | -45        | 14                | 9.5             | 15                 | 17.7             | 17                | 28.7            | 14                 | 12.0             | 11                | 6.1             | 11                 | 7.4              | 19                | 9.0             | 16                 | 8.7              |
| 250         | 35926       | 1927         | -41        | .          | 16                | 11.6            | 15                 | 13.0             | 17                | 18.2            | 16                 | 11.4             | 13                | 6.7             | 13                 | 10.8             | 20                | 12.9            | 21                 | 14.6             |
| 200         | 40782       | 2120         | -53        | .          | 16                | 9.5             | 15                 | 9.3              | 19                | 13.3            | 16                 | 12.4             | 13                | 6.6             | 14                 | 11.2             | 22                | 17.7            | 19                 | 19.5             |
| 150         | 46683       | 2036         | -68        | .          | 14                | 11.1            | 15                 | 5.8              | 20                | 14.0            | 22                 | 10.1             | 13                | 8.3             | 15                 | 9.6              | 21                | 23.3            | 20                 | 17.2             |
| 100         | 54430       | 1347         | -77        | .          | 13                | 12.0            | 12                 | 10.8             | 14                | 14.0            | 13                 | 11.6             | 9                 | 7.9             | 15                 | 10.4             | 15                | 18.3            | 13                 | 14.1             |
| 70          | 61097       | 593          | -76        | .          | 12                | 6.4             | 12                 | 10.0             | 15                | 20.4            | 13                 | 17.9             | 10                | 9.3             | 14                 | 10.9             | 19                | 14.5            | 15                 | 9.8              |
| 50          | 67570       | 63           | -66        | .          | 14                | 7.4             | 15                 | 9.1              | 19                | 22.2            | 14                 | 9.9              | 13                | 6.9             | 16                 | 11.1             | 16                | 18.8            | 17                 | 13.8             |
| 30          | 77915       | -329         | -59        | .          | 18                | 4.8             | 21                 | 14.8             | 29                | 25.0            | 18                 | 10.3             | 17                | 8.8             | 18                 | 10.3             | 21                | 12.7            | 26                 | 12.7             |
| 20          | 86538       | -343         | -52        | .          | 18                | 2.0             | 14                 | 3.3              | 16                | 14.7            | 12                 | 7.2              | 11                | 5.4             | 13                 | 3.5              | 18                | 5.2             | 26                 | 8.0              |
| 10          | 101418      | -467         | -40        | .          | 36                | 4.1             | 27                 | 6.7              | 32                | 29.6            | 24                 | 14.5             | 22                | 10.9            | 26                 | 7.0              | 36                | 10.6            | 52                 | 16.1             |

APR Latitude=-2.50 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 22         | 0                 | 0.0             | 3                  | 0.6              | 8                 | 6.3             | 8                  | 34.6             | 7                 | 50.6            | 6                  | 6.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 279         | -85          | 28         | 24         | 3                 | 0.1             | 3                  | 0.3              | 7                 | 7.9             | 10                 | 37.5             | 10                | 45.6            | 8                  | 6.6              | 3                 | 0.3             | 0                  | 0.0              |
| 850         | 4916        | 136          | 19         | 15         | 5                 | 1.1             | 8                  | 5.6              | 8                 | 13.3            | 10                 | 36.8             | 13                | 40.1            | 6                  | 0.8              | 3                 | 0.1             | 3                  | 0.4              |
| 700         | 10279       | 397          | 10         | 2          | 7                 | 8.6             | 8                  | 21.1             | 8                 | 31.1            | 8                  | 17.1             | 5                 | 5.4             | 6                  | 6.1              | 5                 | 3.8             | 4                  | 4.3              |
| 500         | 19158       | 869          | -5         | -14        | 8                 | 6.4             | 10                 | 23.9             | 12                | 40.1            | 9                  | 11.4             | 6                 | 5.8             | 6                  | 4.3              | 5                 | 3.4             | 7                  | 3.4              |
| 400         | 24768       | 1194         | -16        | -25        | 8                 | 6.9             | 10                 | 18.1             | 14                | 46.1            | 9                  | 12.6             | 7                 | 4.4             | 9                  | 3.4              | 9                 | 3.1             | 8                  | 3.8              |
| 300         | 31662       | 1597         | -31        | -41        | 8                 | 7.3             | 11                 | 10.6             | 16                | 33.6            | 13                 | 15.3             | 10                | 8.3             | 11                 | 7.4              | 13                | 8.1             | 11                 | 7.9              |
| 250         | 35799       | 1800         | -41        | .          | 11                | 7.3             | 11                 | 8.4              | 15                | 22.8            | 13                 | 14.9             | 13                | 8.9             | 14                 | 13.9             | 16                | 13.8            | 11                 | 8.9              |
| 200         | 40648       | 1986         | -53        | .          | 10                | 6.1             | 11                 | 8.8              | 17                | 14.8            | 14                 | 15.3             | 12                | 6.3             | 16                 | 11.8             | 17                | 24.3            | 13                 | 11.1             |
| 150         | 46530       | 1883         | -68        | .          | 13                | 4.9             | 15                 | 8.8              | 17                | 17.8            | 17                 | 9.1              | 11                | 8.3             | 17                 | 11.1             | 20                | 24.3            | 16                 | 14.6             |
| 100         | 54235       | 1152         | -77        | .          | 10                | 7.6             | 12                 | 9.4              | 14                | 15.9            | 10                 | 11.3             | 10                | 6.8             | 13                 | 10.9             | 17                | 21.9            | 12                 | 14.6             |
| 70          | 60868       | 364          | -75        | .          | 10                | 5.5             | 12                 | 10.1             | 13                | 17.3            | 11                 | 11.5             | 9                 | 11.3            | 11                 | 11.7             | 16                | 20.4            | 13                 | 10.4             |
| 50          | 67341       | -166         | -64        | .          | 10                | 5.5             | 13                 | 7.4              | 22                | 28.8            | 12                 | 8.3              | 10                | 4.4             | 14                 | 9.0              | 19                | 24.6            | 13                 | 11.1             |
| 30          | 77658       | -586         | -58        | .          | 13                | 6.6             | 16                 | 9.2              | 42                | 37.9            | 17                 | 4.9              | 11                | 2.9             | 15                 | 8.1              | 21                | 18.1            | 15                 | 11.2             |
| 20          | 86332       | -549         | -50        | .          | 23                | 0.7             | 18                 | 4.1              | 17                | 22.8            | 13                 | 2.6              | 34                | 2.2             | 23                 | 3.9              | 22                | 8.6             | 22                 | 3.6              |
| 10          | 100745      | -1140        | -38        | .          | 47                | 1.6             | 36                 | 8.3              | 35                | 45.8            | 25                 | 5.4              | 68                | 4.5             | 47                 | 7.9              | 44                | 17.4            | 44                 | 7.4              |

APR Latitude=-2.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 26         | 0                 | 0.0             | 8                  | 0.6              | 7                 | 14.6            | 8                  | 27.3             | 10                | 51.3            | 9                  | 3.6              | 2                 | 0.9             | 0                  | 0.0              |
| 1000        | 272         | -92          | 28         | 25         | 4                 | 0.3             | 7                  | 1.8              | 8                 | 16.6            | 9                  | 31.6             | 11                | 42.8            | 8                  | 4.6              | 4                 | 0.8             | 1                  | 0.3              |
| 850         | 4915        | 135          | 19         | 14         | 5                 | 1.8             | 6                  | 5.4              | 8                 | 10.8            | 10                 | 35.6             | 10                | 34.3            | 6                  | 7.4              | 4                 | 2.1             | 4                  | 0.6              |
| 700         | 10277       | 395          | 10         | 1          | 8                 | 11.9            | 7                  | 14.9             | 8                 | 21.6            | 8                  | 18.3             | 6                 | 8.4             | 5                  | 6.4              | 6                 | 9.3             | 6                  | 6.3              |
| 500         | 19157       | 868          | -5         | -14        | 8                 | 8.3             | 11                 | 24.8             | 12                | 38.9            | 8                  | 11.4             | 6                 | 4.9             | 5                  | 2.6              | 7                 | 3.6             | 7                  | 3.6              |
| 400         | 24768       | 1194         | -16        | -25        | 9                 | 5.8             | 10                 | 19.3             | 14                | 47.9            | 9                  | 10.9             | 6                 | 4.3             | 7                  | 3.9              | 8                 | 2.3             | 8                  | 4.6              |
| 300         | 31664       | 1599         | -31        | -41        | 9                 | 7.6             | 12                 | 11.3             | 17                | 30.3            | 12                 | 15.8             | 9                 | 9.6             | 9                  | 4.8              | 11                | 8.8             | 11                 | 10.3             |
| 250         | 35799       | 1800         | -41        | .          | 10                | 6.4             | 12                 | 9.4              | 17                | 21.1            | 14                 | 12.3             | 12                | 10.4            | 14                 | 12.8             | 15                | 15.1            | 13                 | 10.9             |
| 200         | 40646       | 1984         | -53        | .          | 10                | 7.4             | 11                 | 7.6              | 17                | 13.1            | 16                 | 12.8             | 13                | 6.6             | 15                 | 13.9             | 19                | 26.6            | 15                 | 10.6             |
| 150         | 46528       | 1881         | -68        | .          | 13                | 5.9             | 14                 | 8.6              | 19                | 15.9            | 15                 | 9.3              | 14                | 7.6             | 16                 | 13.3             | 20                | 26.8            | 18                 | 11.4             |
| 100         | 54240       | 1157         | -77        | .          | 10                | 7.4             | 11                 | 10.1             | 16                | 12.5            | 11                 | 10.4             | 11                | 9.3             | 13                 | 12.1             | 16                | 21.4            | 14                 | 15.4             |
| 70          | 60870       | 366          | -76        | .          | 10                | 4.8             | 12                 | 11.0             | 13                | 14.5            | 12                 | 12.5             | 10                | 10.3            | 11                 | 14.6             | 16                | 18.8            | 15                 | 12.0             |
| 50          | 67337       | -170         | -65        | .          | 11                | 4.6             | 16                 | 8.8              | 21                | 26.2            | 12                 | 7.7              | 8                 | 3.3             | 14                 | 12.5             | 19                | 23.8            | 16                 | 11.6             |
| 30          | 77643       | -601         | -58        | .          | 16                | 8.7             | 19                 | 11.2             | 40                | 35.5            | 17                 | 4.0              | 11                | 4.8             | 15                 | 7.2              | 20                | 16.8            | 15                 | 10.3             |
| 20          | 86317       | -564         | -50        | .          | 22                | 1.1             | 17                 | 3.9              | 17                | 22.6            | 13                 | 2.4              | 27                | 2.6             | 23                 | 4.5              | 20                | 9.1             | 24                 | 2.4              |
| 10          | 100745      | -1140        | -39        | .          | 43                | 2.4             | 33                 | 7.9              | 35                | 45.4            | 27                 | 4.9              | 54                | 5.4             | 45                 | 9.1              | 41                | 18.3            | 49                 | 4.9              |

APR Latitude=-2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 25         | 4                 | 0.9             | 6                  | 8.6              | 6                 | 23.3            | 8                  | 32.6             | 9                 | 29.3            | 6                  | 1.9              | 2                 | 0.9             | 3                  | 0.3              |
| 1000        | 273         | -91          | 28         | 25         | 4                 | 1.1             | 7                  | 7.6              | 8                 | 29.4            | 9                  | 37.5             | 9                 | 19.4            | 6                  | 1.9              | 4                 | 0.8             | 4                  | 0.6              |
| 850         | 4915        | 135          | 19         | 13         | 4                 | 2.1             | 6                  | 4.1              | 9                 | 12.6            | 9                  | 32.8             | 8                 | 26.1            | 6                  | 12.1             | 5                 | 5.6             | 5                  | 1.6              |
| 700         | 10276       | 394          | 10         | -0         | 8                 | 10.6            | 8                  | 10.9             | 8                 | 16.6            | 8                  | 14.8             | 7                 | 12.3            | 6                  | 11.3             | 7                 | 9.8             | 7                  | 11.3             |
| 500         | 19156       | 867          | -5         | -14        | 9                 | 8.4             | 10                 | 22.8             | 12                | 37.9            | 8                  | 10.8             | 6                 | 5.3             | 5                  | 3.4              | 6                 | 4.8             | 8                  | 5.1              |
| 400         | 24766       | 1192         | -16        | -26        | 9                 | 6.6             | 11                 | 20.3             | 15                | 42.8            | 9                  | 12.5             | 7                 | 5.8             | 7                  | 4.9              | 8                 | 2.1             | 9                  | 3.8              |
| 300         | 31662       | 1597         | -31        | -42        | 9                 | 7.6             | 11                 | 11.9             | 17                | 28.1            | 13                 | 14.9             | 9                 | 10.4            | 8                  | 6.6              | 11                | 9.1             | 12                 | 10.3             |
| 250         | 35798       | 1799         | -41        | .          | 12                | 6.9             | 14                 | 9.9              | 17                | 19.3            | 15                 | 13.3             | 12                | 10.3            | 13                 | 14.1             | 15                | 13.8            | 15                 | 10.9             |
| 200         | 40644       | 1982         | -53        | .          | 13                | 7.9             | 13                 | 7.4              | 17                | 13.9            | 17                 | 10.6             | 12                | 9.1             | 17                 | 14.3             | 20                | 21.1            | 16                 | 14.6             |
| 150         | 46524       | 1877         | -67        | .          | 12                | 6.6             | 13                 | 7.4              | 23                | 13.6            | 15                 | 10.8             | 13                | 7.9             | 16                 | 12.9             | 21                | 25.0            | 17                 | 14.4             |
| 100         | 54240       | 1157         | -77        | .          | 10                | 9.3             | 12                 | 10.3             | 15                | 13.9            | 12                 | 8.6              | 10                | 8.3             | 13                 | 11.8             | 17                | 22.4            | 15                 | 13.9             |
| 70          | 60870       | 366          | -76        | .          | 11                | 6.2             | 12                 | 8.3              | 13                | 16.2            | 12                 | 12.9             | 8                 | 10.8            | 12                 | 12.9             | 16                | 18.5            | 16                 | 12.4             |
| 50          | 67332       | -175         | -65        | .          | 11                | 4.9             | 15                 | 9.6              | 20                | 25.9            | 10                 | 6.8              | 8                 | 4.4             | 15                 | 13.1             | 19                | 24.0            | 15                 | 10.3             |
| 30          | 77635       | -609         | -57        | .          | 16                | 8.5             | 22                 | 14.0             | 39                | 32.4            | 15                 | 5.9              | 13                | 3.1             | 14                 | 9.0              | 18                | 15.1            | 14                 | 10.5             |
| 20          | 86309       | -572         | -50        | .          | 23                | 1.6             | 15                 | 3.5              | 17                | 23.6            | 13                 | 2.0              | 26                | 3.0             | 18                 | 5.1              | 20                | 8.0             | 31                 | 1.8              |
| 10          | 100741      | -1144        | -39        | .          | 45                | 3.3             | 31                 | 7.0              | 34                | 47.4            | 26                 | 4.1              | 52                | 6.2             | 37                 | 10.4             | 40                | 16.2            | 61                 | 3.7              |

APR Latitude= 0.00 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 21         | 0                 | 0.0             | 1                  | 0.3              | 5                 | 5.3             | 7                  | 44.3             | 7                 | 45.9            | 7                  | 2.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 264         | -100         | 29         | 23         | 3                 | 0.3             | 5                  | 0.3              | 6                 | 6.8             | 9                  | 49.4             | 9                 | 35.8            | 7                  | 4.9              | 4                 | 0.8             | 0                  | 0.0              |
| 850         | 4912        | 132          | 19         | 16         | 3                 | 0.1             | 8                  | 1.1              | 10                | 16.9            | 11                 | 44.3             | 14                | 35.6            | 7                  | 1.1              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10280       | 398          | 10         | 3          | 5                 | 4.6             | 10                 | 25.6             | 9                 | 34.6            | 8                  | 16.8             | 6                 | 5.8             | 5                  | 4.1              | 6                 | 4.1             | 4                  | 2.3              |
| 500         | 19159       | 870          | -5         | -15        | 8                 | 4.8             | 10                 | 26.6             | 13                | 43.8            | 8                  | 10.3             | 6                 | 4.6             | 6                  | 2.1              | 6                 | 2.4             | 6                  | 3.4              |
| 400         | 24764       | 1190         | -16        | -26        | 8                 | 6.9             | 12                 | 19.3             | 14                | 45.8            | 10                 | 11.4             | 9                 | 5.9             | 9                  | 3.8              | 9                 | 2.9             | 9                  | 2.4              |
| 300         | 31660       | 1595         | -31        | -41        | 11                | 5.8             | 11                 | 15.4             | 16                | 32.6            | 12                 | 12.6             | 11                | 8.8             | 12                 | 6.3              | 11                | 8.8             | 12                 | 7.9              |
| 250         | 35799       | 1800         | -40        | .          | 12                | 8.8             | 10                 | 11.8             | 16                | 20.4            | 13                 | 12.6             | 14                | 9.3             | 16                 | 13.3             | 16                | 13.8            | 12                 | 8.3              |
| 200         | 40649       | 1987         | -53        | .          | 11                | 6.3             | 10                 | 7.6              | 15                | 17.1            | 15                 | 12.5             | 12                | 4.9             | 17                 | 16.9             | 16                | 22.9            | 14                 | 10.6             |
| 150         | 46532       | 1885         | -68        | .          | 13                | 8.8             | 13                 | 8.8              | 18                | 15.3            | 17                 | 8.3              | 13                | 5.9             | 14                 | 14.3             | 19                | 23.4            | 16                 | 13.8             |
| 100         | 54240       | 1157         | -77        | .          | 9                 | 7.1             | 11                 | 12.6             | 15                | 15.3            | 9                  | 7.9              | 10                | 5.6             | 11                 | 10.3             | 18                | 23.6            | 15                 | 15.4             |
| 70          | 60870       | 366          | -76        | .          | 9                 | 5.5             | 13                 | 8.9              | 12                | 12.7            | 10                 | 9.0              | 12                | 9.7             | 14                 | 15.9             | 19                | 27.6            | 16                 | 9.2              |
| 50          | 67340       | -167         | -65        | .          | 12                | 4.4             | 18                 | 7.9              | 21                | 24.2            | 12                 | 7.4              | 11                | 3.8             | 16                 | 12.2             | 20                | 27.4            | 14                 | 11.2             |
| 30          | 77658       | -586         | -58        | .          | 15                | 7.0             | 20                 | 8.7              | 40                | 34.2            | 15                 | 5.3              | 10                | 3.8             | 26                 | 8.1              | 20                | 20.7            | 17                 | 11.2             |
| 20          | 86332       | -549         | -50        | .          | 20                | 1.0             | 17                 | 3.9              | 18                | 23.5            | 14                 | 2.6              | 30                | 2.4             | 26                 | 3.2              | 22                | 9.3             | 21                 | 2.8              |
| 10          | 100741      | -1144        | -38        | .          | 41                | 2.0             | 35                 | 7.9              | 37                | 47.0            | 28                 | 5.4              | 59                | 4.9             | 53                 | 6.6              | 44                | 18.7            | 43                 | 5.8              |

APR Latitude= 0.00 Longitude= 42.50

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N            |            | NE           |            | E            |            | SE           |            | S            |            | SW           |            | W            |            | NW           |            |
|------|-------------|--------------|------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
|      |             |              |            |            | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) |
| SFC  | .           | .            | 30         | 23         | 0            | 0.0        | 0            | 0.0        | 8            | 10.9       | 8            | 36.9       | 8            | 47.3       | 7            | 3.6        | 0            | 0.0        | 0            | 0.0        |
| 1000 | 261         | -103         | 28         | 24         | 0            | 0.0        | 6            | 0.6        | 10           | 15.6       | 10           | 39.6       | 11           | 36.6       | 8            | 5.3        | 4            | 0.8        | 3            | 0.3        |
| 850  | 4914        | 134          | 19         | 14         | 5            | 1.1        | 9            | 6.9        | 9            | 18.6       | 10           | 29.1       | 11           | 32.4       | 10           | 9.6        | 6            | 0.3        | 2            | 0.6        |
| 700  | 10278       | 396          | 10         | 1          | 8            | 8.8        | 10           | 23.9       | 8            | 24.6       | 8            | 15.9       | 6            | 9.1        | 5            | 4.3        | 8            | 6.1        | 5            | 5.9        |
| 500  | 19157       | 868          | -5         | -15        | 7            | 7.3        | 12           | 25.8       | 13           | 40.9       | 9            | 10.9       | 6            | 2.9        | 6            | 2.6        | 5            | 2.3        | 7            | 5.8        |
| 400  | 24765       | 1191         | -16        | -26        | 9            | 5.9        | 12           | 20.8       | 15           | 47.9       | 10           | 10.6       | 7            | 4.9        | 10           | 3.3        | 9            | 2.8        | 9            | 2.4        |
| 300  | 31661       | 1596         | -31        | -42        | 8            | 7.6        | 12           | 16.3       | 17           | 29.4       | 12           | 12.9       | 10           | 8.8        | 10           | 6.6        | 13           | 9.1        | 12           | 8.1        |
| 250  | 35798       | 1799         | -41        | .          | 10           | 7.9        | 13           | 10.3       | 17           | 18.4       | 14           | 13.8       | 12           | 7.3        | 16           | 15.4       | 17           | 12.5       | 13           | 12.5       |
| 200  | 40644       | 1982         | -5         | .          | 11           | 6.8        | 12           | 8.4        | 17           | 13.4       | 16           | 9.8        | 13           | 7.9        | 18           | 15.9       | 19           | 23.3       | 16           | 13.1       |
| 150  | 46526       | 1879         | -67        | .          | 13           | 6.8        | 14           | 9.8        | 19           | 15.3       | 17           | 8.6        | 12           | 7.8        | 15           | 14.1       | 21           | 23.9       | 17           | 12.6       |
| 100  | 54243       | 1160         | -77        | .          | 9            | 9.4        | 11           | 10.8       | 16           | 13.6       | 10           | 7.3        | 11           | 8.6        | 14           | 11.4       | 18           | 22.1       | 15           | 14.9       |
| 70   | 60871       | 367          | -76        | .          | 11           | 6.6        | 13           | 9.4        | 13           | 9.9        | 12           | 12.5       | 12           | 9.0        | 15           | 16.2       | 20           | 24.6       | 19           | 10.3       |
| 50   | 67332       | -175         | -66        | .          | 12           | 6.1        | 20           | 8.1        | 20           | 22.7       | 12           | 7.0        | 9            | 3.8        | 17           | 11.8       | 20           | 27.0       | 16           | 12.4       |
| 30   | 77636       | -608         | -58        | .          | 14           | 8.8        | 27           | 12.0       | 38           | 31.2       | 16           | 4.0        | 11           | 3.5        | 16           | 10.9       | 20           | 16.6       | 17           | 12.0       |
| 20   | 86310       | -571         | -50        | .          | 20           | 1.0        | 16           | 3.9        | 18           | 23.5       | 15           | 2.8        | 35           | 1.8        | 23           | 4.3        | 21           | 8.6        | 21           | 2.8        |
| 10   | 100738      | -1147        | -38        | .          | 40           | 2.0        | 32           | 7.9        | 36           | 47.0       | 31           | 5.8        | 71           | 3.7        | 46           | 8.7        | 43           | 17.4       | 42           | 5.8        |

APR Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |      |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |      |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |      |
| SFC  | .      | .     | 29  | 26  | 0     | 0.0  | 8     | 2.6  | 8     | 22.9 | 8     | 8.3  | 0     | 0.0  |
| 1000 | 271    | -93   | 28  | 25  | 3     | 0.1  | 8     | 4.9  | 10    | 25.1 | 8     | 6.3  | 5     | 0.8  |
| 850  | 4913   | 133   | 19  | 12  | 4     | 3.4  | 7     | 9.6  | 9     | 21.4 | 7     | 16.4 | 7     | 6.3  |
| 700  | 10276  | 394   | 10  | 0   | 8     | 13.3 | 8     | 20.9 | 8     | 15.4 | 7     | 7.4  | 8     | 7.6  |
| 500  | 19154  | 865   | -5  | -15 | 7     | 8.8  | 12    | 26.4 | 9     | 9.3  | 7     | 1.9  | 8     | 3.6  |
| 400  | 24766  | 1192  | -16 | -27 | 10    | 7.1  | 12    | 19.1 | 10    | 11.9 | 8     | 4.3  | 7     | 2.4  |
| 300  | 31661  | 1596  | -31 | -43 | 10    | 8.9  | 12    | 12.8 | 12    | 15.9 | 11    | 6.9  | 12    | 10.1 |
| 250  | 35797  | 1798  | -41 | .   | 12    | 8.3  | 15    | 9.8  | 16    | 13.8 | 16    | 11.9 | 15    | 16.3 |
| 200  | 40644  | 1982  | -53 | .   | 12    | 8.3  | 12    | 8.9  | 16    | 10.9 | 19    | 14.9 | 19    | 24.3 |
| 150  | 46525  | 1878  | -67 | .   | 14    | 7.1  | 15    | 6.8  | 17    | 9.3  | 15    | 15.8 | 20    | 26.6 |
| 100  | 54246  | 1163  | -77 | .   | 10    | 9.1  | 11    | 11.3 | 10    | 8.4  | 14    | 12.8 | 16    | 13.3 |
| 70   | 60872  | 368   | -76 | .   | 12    | 6.8  | 13    | 8.5  | 12    | 12.7 | 14    | 14.1 | 20    | 27.9 |
| 50   | 67331  | -176  | -66 | .   | 12    | 6.8  | 20    | 9.9  | 11    | 6.4  | 17    | 11.2 | 17    | 11.1 |
| 30   | 77631  | -613  | -58 | .   | 17    | 8.1  | 26    | 14.9 | 14    | 5.1  | 17    | 13.1 | 19    | 15.1 |
| 20   | 86305  | -576  | -50 | .   | 23    | 1.0  | 16    | 2.8  | 14    | 3.2  | 22    | 5.7  | 23    | 8.2  |
| 10   | 100739 | -1146 | -38 | .   | 46    | 2.0  | 31    | 5.8  | 28    | 6.6  | 44    | 11.6 | 46    | 16.6 |

APR Latitude= 2.50 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 20         | 0                 | 0.0             | 3                  | 0.3              | 5                 | 6.6             | 6                  | 52.9             | 7                 | 38.3            | 5                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 290         | -74          | 28         | 24         | 4                 | 0.1             | 4                  | 0.4              | 7                 | 8.4             | 8                  | 48.1             | 8                 | 38.1            | 6                  | 3.4              | 3                 | 0.3             | 0                  | 0.0              |
| 850         | 4910        | 130          | 20         | 17         | 0                 | 0.0             | 12                 | 0.3              | 11                | 15.8            | 12                 | 51.6             | 13                | 30.6            | 8                  | 0.9              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10282       | 400          | 10         | 4          | 6                 | 4.1             | 11                 | 30.9             | 11                | 37.6            | 8                  | 15.8             | 6                 | 3.8             | 4                  | 1.3              | 7                 | 3.4             | 5                  | 1.9              |
| 500         | 19164       | 875          | -6         | -15        | 7                 | 6.3             | 11                 | 25.6             | 14                | 44.9            | 10                 | 9.6              | 8                 | 2.8             | 6                  | 2.8              | 7                 | 3.3             | 7                  | 3.1              |
| 400         | 24765       | 1191         | -16        | -26        | 7                 | 4.8             | 13                 | 17.9             | 16                | 40.4            | 11                 | 13.6             | 9                 | 7.9             | 10                 | 5.6              | 8                 | 5.1             | 9                  | 3.1              |
| 300         | 31652       | 1587         | -31        | -42        | 11                | 6.8             | 14                 | 13.4             | 17                | 26.9            | 12                 | 13.8             | 11                | 7.6             | 14                 | 10.6             | 13                | 9.8             | 11                 | 9.3              |
| 250         | 35796       | 1797         | -41        | .          | 14                | 7.6             | 13                 | 11.1             | 16                | 17.9            | 14                 | 12.6             | 12                | 7.1             | 16                 | 15.1             | 16                | 13.1            | 12                 | 13.8             |
| 200         | 40646       | 1984         | -53        | .          | 13                | 7.4             | 13                 | 9.3              | 15                | 12.9            | 14                 | 11.1             | 14                | 7.9             | 18                 | 14.9             | 18                | 19.8            | 15                 | 14.8             |
| 150         | 54238       | 1880         | -67        | .          | 12                | 11.1            | 14                 | 10.3             | 17                | 13.4            | 14                 | 8.8              | 13                | 5.1             | 15                 | 14.1             | 18                | 19.4            | 15                 | 16.3             |
| 100         | 60864       | 360          | -76        | .          | 10                | 9.9             | 12                 | 12.5             | 15                | 15.8            | 11                 | 7.8              | 8                 | 6.6             | 10                 | 11.9             | 18                | 20.6            | 16                 | 13.4             |
| 70          | 67331       | -176         | -66        | .          | 9                 | 4.5             | 13                 | 9.6              | 11                | 13.1            | 11                 | 8.0              | 13                | 8.9             | 16                 | 15.3             | 23                | 26.5            | 17                 | 12.5             |
| 50          | 77653       | -591         | -57        | .          | 14                | 5.1             | 19                 | 9.9              | 21                | 20.9            | 12                 | 7.4              | 10                | 4.8             | 18                 | 13.8             | 21                | 24.8            | 16                 | 12.2             |
| 30          | 86334       | -547         | -50        | .          | 17                | 6.2             | 22                 | 12.4             | 37                | 31.6            | 16                 | 5.1              | 11                | 3.8             | 16                 | 10.3             | 19                | 16.8            | 19                 | 12.5             |
| 20          | 100745      | -1140        | -38        | .          | 16                | 1.1             | 17                 | 3.9              | 16                | 23.6            | 12                 | 2.4              | 33                | 1.8             | 21                 | 4.5              | 20                | 8.2             | 15                 | 3.0              |
| 10          |             |              |            |            | 32                | 2.4             | 35                 | 7.9              | 33                | 47.4            | 24                 | 4.9              | 67                | 3.7             | 43                 | 9.1              | 41                | 16.6            | 30                 | 6.2              |

APR Latitude= 2.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 21         | 0                 | 0.0             | 1                  | 0.3              | 6                 | 9.6             | 6                  | 34.3             | 7                 | 45.6            | 7                  | 8.9              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 272         | -92          | 29         | 23         | 0                 | 0.0             | 4                  | 0.9              | 8                 | 12.3            | 8                  | 35.6             | 9                 | 36.3            | 8                  | 13.4             | 6                 | 0.1             | 0                  | 0.0              |
| 850         | 4914        | 134          | 19         | 16         | 5                 | 0.1             | 13                 | 1.1              | 10                | 22.4            | 10                 | 30.3             | 11                | 30.9            | 11                 | 13.9             | 4                 | 0.1             | 0                  | 0.0              |
| 700         | 10283       | 401          | 10         | 3          | 6                 | 8.1             | 11                 | 30.3             | 9                 | 25.4            | 8                  | 14.8             | 7                 | 7.1             | 5                  | 4.4              | 7                 | 4.3             | 6                  | 3.3              |
| 500         | 19158       | 869          | -5         | -15        | 7                 | 7.4             | 12                 | 23.9             | 14                | 45.4            | 10                 | 8.6              | 7                 | 3.1             | 7                  | 1.4              | 8                 | 2.6             | 7                  | 5.9              |
| 400         | 24764       | 1190         | -16        | -27        | 10                | 5.8             | 14                 | 18.4             | 17                | 43.9            | 10                 | 12.8             | 9                 | 5.1             | 11                 | 5.6              | 8                 | 3.1             | 8                  | 3.9              |
| 300         | 31654       | 1589         | -31        | -42        | 11                | 8.6             | 14                 | 12.9             | 17                | 25.6            | 12                 | 16.8             | 11                | 7.3             | 13                 | 9.8              | 13                | 10.3            | 11                 | 7.8              |
| 250         | 35795       | 1796         | -41        | .          | 12                | 8.3             | 16                 | 9.9              | 17                | 15.9            | 14                 | 14.3             | 11                | 8.9             | 16                 | 14.9             | 18                | 13.1            | 13                 | 12.9             |
| 200         | 40643       | 1981         | -53        | .          | 12                | 8.3             | 13                 | 10.9             | 16                | 10.6            | 16                 | 12.1             | 14                | 7.6             | 18                 | 14.8             | 20                | 20.9            | 15                 | 13.8             |
| 150         | 46524       | 1877         | -67        | .          | 14                | 10.4            | 14                 | 8.4              | 17                | 14.6            | 18                 | 8.3              | 13                | 6.4             | 14                 | 14.6             | 20                | 21.9            | 15                 | 13.8             |
| 100         | 54241       | 1158         | -77        | .          | 11                | 8.4             | 12                 | 13.3             | 16                | 14.8            | 11                 | 6.6              | 11                | 6.9             | 12                 | 12.8             | 19                | 21.4            | 16                 | 14.3             |
| 70          | 60866       | 362          | -76        | .          | 11                | 5.7             | 14                 | 10.1             | 13                | 11.1            | 11                 | 11.7             | 14                | 9.9             | 16                 | 13.1             | 24                | 25.0            | 19                 | 12.2             |
| 50          | 67325       | -182         | -66        | .          | 15                | 4.9             | 20                 | 12.9             | 20                | 18.5            | 12                 | 6.4              | 11                | 5.7             | 18                 | 11.2             | 21                | 25.0            | 17                 | 14.4             |
| 30          | 77639       | -605         | -57        | .          | 19                | 7.7             | 26                 | 15.9             | 36                | 28.7            | 14                 | 5.9              | 11                | 3.8             | 16                 | 10.1             | 18                | 16.2            | 20                 | 10.5             |
| 20          | 86317       | -564         | -50        | .          | 14                | 1.4             | 17                 | 3.5              | 17                | 23.2            | 12                 | 3.0              | 30                | 2.2             | 21                 | 4.9              | 20                | 7.2             | 16                 | 3.2              |
| 10          | 100743      | -1142        | -38        | .          | 27                | 2.9             | 33                 | 7.0              | 34                | 46.6            | 25                 | 6.2              | 60                | 4.5             | 42                 | 9.9              | 41                | 14.5            | 32                 | 6.6              |

APR Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .     | 30  | 22  | 0     | 0.0  | 6     | 0.9  | 8     | 33.3 | 9     | 10.3 |
| 1000 | 266    | -98   | 29  | 23  | 2     | 0.1  | 7     | 1.6  | 10    | 27.1 | 10    | 10.6 |
| 850  | 4912   | 132   | 19  | 14  | 3     | 0.4  | 10    | 8.9  | 9     | 18.6 | 2     | 0.1  |
| 700  | 10279  | 397   | 10  | 1   | 7     | 12.5 | 10    | 33.1 | 7     | 6.8  | 9     | 3.9  |
| 500  | 19155  | 866   | -5  | -16 | 9     | 8.9  | 12    | 25.0 | 7     | 2.3  | 6     | 5.1  |
| 400  | 24764  | 1190  | -16 | -28 | 10    | 7.1  | 13    | 18.6 | 10    | 7.9  | 6     | 2.1  |
| 300  | 31656  | 1591  | -31 | -43 | 11    | 8.3  | 14    | 12.8 | 11    | 11.1 | 9     | 3.8  |
| 250  | 35794  | 1795  | -41 | .   | 14    | 8.8  | 16    | 9.1  | 11    | 10.1 | 12    | 10.1 |
| 200  | 40642  | 1980  | -53 | .   | 12    | 7.6  | 15    | 8.9  | 13    | 10.1 | 17    | 13.4 |
| 150  | 46522  | 1875  | -67 | .   | 14    | 8.4  | 17    | 12.9 | 14    | 9.4  | 22    | 21.3 |
| 100  | 54243  | 1160  | -77 | .   | 10    | 10.3 | 12    | 12.6 | 13    | 6.8  | 20    | 25.9 |
| 70   | 60866  | 362   | -76 | .   | 11    | 5.7  | 13    | 11.8 | 11    | 7.3  | 16    | 14.1 |
| 50   | 67322  | -185  | -66 | .   | 13    | 6.4  | 21    | 13.1 | 12    | 5.9  | 15    | 11.9 |
| 30   | 77630  | -614  | -57 | .   | 19    | 9.2  | 29    | 16.4 | 10    | 4.0  | 18    | 21.8 |
| 20   | 86308  | -573  | -50 | .   | 18    | 1.6  | 14    | 3.6  | 17    | 13.1 | 21    | 28.3 |
| 10   | 100742 | -1143 | -38 | .   | 36    | 3.3  | 28    | 7.4  | 24    | 2.0  | 23    | 7.4  |

APR Latitude= 5.00 Longitude= 40.00

| LVL  | HGT    | DVAL  | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|-------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft)  | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |       |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .     | 22  | 17  | 0     | 0.0  | 4     | 0.9  | 5     | 31.3 | 4     | 3.6  |
| 1000 | 352    | -12   | 28  | 25  | 5     | 0.1  | 6     | 0.6  | 7     | 28.1 | 6     | 5.4  |
| 850  | 4908   | 128   | 21  | 17  | 0     | 0.0  | 8     | 0.8  | 9     | 32.8 | 8     | 3.8  |
| 700  | 10288  | 406   | 10  | 6   | 5     | 6.1  | 9     | 26.1 | 7     | 5.9  | 6     | 1.4  |
| 500  | 19168  | 879   | -6  | -15 | 9     | 8.3  | 12    | 29.1 | 8     | 3.3  | 7     | 3.3  |
| 400  | 24775  | 1201  | -16 | -26 | 8     | 3.4  | 17    | 37.5 | 9     | 7.6  | 10    | 6.4  |
| 300  | 31643  | 1578  | -31 | -42 | 11    | 7.3  | 19    | 22.3 | 12    | 8.8  | 17    | 12.8 |
| 250  | 35792  | 1793  | -41 | .   | 14    | 7.6  | 15    | 15.9 | 12    | 9.6  | 19    | 12.8 |
| 200  | 40642  | 1980  | -53 | .   | 15    | 11.1 | 14    | 11.6 | 14    | 8.9  | 18    | 12.6 |
| 150  | 46524  | 1877  | -67 | .   | 14    | 14.9 | 14    | 9.4  | 15    | 6.8  | 20    | 19.1 |
| 100  | 54221  | 1138  | -78 | .   | 12    | 12.3 | 14    | 12.1 | 12    | 7.6  | 17    | 17.4 |
| 70   | 60838  | 334   | -76 | .   | 11    | 8.2  | 13    | 10.4 | 10    | 6.6  | 16    | 11.0 |
| 50   | 67325  | -182  | -65 | .   | 16    | 9.6  | 17    | 14.4 | 12    | 4.8  | 15    | 12.0 |
| 30   | 77670  | -574  | -57 | .   | 17    | 8.8  | 22    | 15.1 | 10    | 6.6  | 19    | 19.4 |
| 20   | 86363  | -518  | -50 | .   | 13    | 1.1  | 14    | 19.1 | 10    | 5.5  | 16    | 6.2  |
| 10   | 100757 | -1128 | -38 | .   | 26    | 2.4  | 28    | 10.4 | 58    | 3.7  | 31    | 12.9 |

APR Latitude= 5.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 28         | 19         | 0                 | 0.0             | 0                  | 0.0              | 6                 | 8.3             | 6                  | 32.6             | 7                 | 48.6            | 6                  | 8.6              | 3                 | 0.3             | 0                  | 0.0              |
| 1000        | 283         | -81          | 29         | 22         | 3                 | 0.8             | 4                  | 1.8              | 8                 | 7.4             | 8                  | 34.1             | 9                 | 40.3            | 8                  | 12.6             | 4                 | 1.3             | 4                  | 0.4              |
| 850         | 4911        | 131          | 20         | 16         | 0                 | 0.0             | 14                 | 0.6              | 10                | 13.9            | 10                 | 31.9             | 11                | 40.3            | 12                 | 12.3             | 5                 | 0.1             | 0                  | 0.0              |
| 700         | 10287       | 405          | 10         | 3          | 7                 | 10.6            | 9                  | 31.9             | 10                | 23.6            | 7                  | 9.3              | 6                 | 6.8             | 6                  | 5.4              | 7                 | 2.8             | 6                  | 7.1              |
| 500         | 19166       | 877          | -5         | -17        | 9                 | 8.9             | 12                 | 23.6             | 15                | 44.3            | 10                 | 9.4              | 7                 | 3.8             | 6                  | 1.8              | 8                 | 3.1             | 7                  | 3.6              |
| 400         | 24768       | 1194         | -16        | -28        | 10                | 5.9             | 14                 | 17.4             | 17                | 37.6            | 12                 | 14.6             | 10                | 4.9             | 12                 | 8.1              | 10                | 6.3             | 8                  | 3.9              |
| 300         | 31651       | 1586         | -31        | -44        | 12                | 8.3             | 15                 | 15.1             | 19                | 18.6            | 14                 | 16.6             | 12                | 10.3            | 18                 | 11.9             | 15                | 10.8            | 12                 | 7.3              |
| 250         | 35791       | 1792         | -41        |            | 14                | 9.4             | 15                 | 12.3             | 17                | 11.9            | 15                 | 12.6             | 12                | 12.1            | 19                 | 15.6             | 19                | 13.8            | 15                 | 11.1             |
| 200         | 40638       | 1976         | -53        |            | 13                | 13.6            | 14                 | 8.6              | 14                | 10.8            | 15                 | 9.9              | 14                | 9.1             | 18                 | 14.3             | 22                | 17.4            | 16                 | 14.9             |
| 150         | 46520       | 1873         | -67        |            | 15                | 11.9            | 13                 | 9.4              | 14                | 9.1             | 17                 | 10.1             | 13                | 7.9             | 15                 | 13.3             | 21                | 19.1            | 16                 | 17.6             |
| 100         | 54232       | 1149         | -77        |            | 12                | 9.9             | 13                 | 10.8             | 17                | 13.9            | 12                 | 8.1              | 11                | 9.3             | 13                 | 12.1             | 15                | 19.8            | 15                 | 15.1             |
| 70          | 60858       | 354          | -76        |            | 13                | 6.8             | 13                 | 10.6             | 12                | 15.0            | 12                 | 11.0             | 14                | 9.2             | 16                 | 11.5             | 24                | 20.2            | 17                 | 14.1             |
| 50          | 67323       | -184         | -66        |            | 16                | 8.3             | 18                 | 14.9             | 21                | 19.9            | 11                 | 6.6              | 12                | 5.7             | 16                 | 12.7             | 19                | 18.7            | 16                 | 12.2             |
| 30          | 77650       | -594         | -57        |            | 18                | 9.2             | 27                 | 16.6             | 32                | 29.2            | 17                 | 4.9              | 13                | 4.9             | 14                 | 12.5             | 17                | 12.0            | 19                 | 9.6              |
| 20          | 86335       | -546         | -50        |            | 12                | 1.8             | 15                 | 3.6              | 14                | 20.7            | 10                 | 4.9              | 29                | 1.8             | 18                 | 5.1              | 16                | 7.0             | 10                 | 3.6              |
| 10          | 100759      | -1126        | -38        |            | 24                | 3.7             | 30                 | 7.4              | 29                | 41.6            | 20                 | 9.9              | 57                | 3.7             | 36                 | 10.4             | 32                | 14.1            | 20                 | 7.4              |

APR Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 29         | 20         | 0                 | 0.0             | 0                  | 0.0              | 9                 | 23.6            | 8                  | 34.6             | 7                 | 31.6            | 8                  | 8.9              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 277         | -87          | 29         | 22         | 0                 | 0.0             | 6                  | 1.1              | 10                | 19.8            | 9                  | 37.6             | 9                 | 27.1            | 9                  | 12.9             | 5                 | 0.4             | 0                  | 0.0              |
| 850         | 4911        | 131          | 20         | 15         | 4                 | 0.1             | 12                 | 1.6              | 11                | 26.3            | 9                  | 23.8             | 10                | 24.4            | 11                 | 21.3             | 9                 | 1.3             | 3                  | 0.3              |
| 700         | 10285       | 403          | 10         | 3          | 6                 | 10.8            | 10                 | 37.5             | 10                | 17.6            | 7                  | 7.4              | 7                 | 5.1             | 7                  | 6.4              | 5                 | 6.9             | 5                  | 6.4              |
| 500         | 19161       | 872          | -5         | -17        | 9                 | 8.8             | 12                 | 23.1             | 15                | 42.8            | 10                 | 9.9              | 7                 | 2.9             | 6                  | 1.8              | 7                 | 2.6             | 8                  | 6.9              |
| 400         | 24767       | 1193         | -16        | -29        | 11                | 8.1             | 13                 | 18.4             | 18                | 37.1            | 13                 | 14.1             | 12                | 4.8             | 10                 | 5.3              | 9                 | 7.1             | 10                 | 3.8              |
| 300         | 31654       | 1589         | -31        | -44        | 14                | 9.4             | 17                 | 11.3             | 17                | 23.1            | 15                 | 14.8             | 12                | 9.8             | 15                 | 14.4             | 15                | 8.8             | 13                 | 7.3              |
| 250         | 35791       | 1792         | -41        |            | 17                | 10.4            | 18                 | 8.6              | 16                | 14.6            | 16                 | 13.4             | 14                | 12.1            | 19                 | 16.9             | 19                | 11.4            | 17                 | 10.6             |
| 200         | 40637       | 1975         | -53        |            | 14                | 11.6            | 14                 | 8.1              | 15                | 11.4            | 16                 | 9.8              | 14                | 11.4            | 20                 | 14.9             | 23                | 16.1            | 17                 | 15.3             |
| 150         | 46518       | 1871         | -67        |            | 15                | 10.4            | 12                 | 8.8              | 16                | 11.8            | 18                 | 7.9              | 13                | 8.3             | 16                 | 15.1             | 21                | 21.8            | 16                 | 14.9             |
| 100         | 54236       | 1153         | -77        |            | 12                | 9.3             | 13                 | 10.9             | 17                | 13.8            | 13                 | 7.8              | 11                | 8.3             | 13                 | 16.6             | 16                | 18.9            | 15                 | 13.1             |
| 70          | 60859       | 355          | -76        |            | 13                | 6.9             | 13                 | 10.1             | 13                | 16.2            | 13                 | 11.5             | 12                | 10.3            | 16                 | 11.3             | 23                | 19.4            | 17                 | 13.2             |
| 50          | 67318       | -189         | -66        |            | 16                | 7.7             | 20                 | 16.4             | 20                | 19.2            | 12                 | 6.8              | 12                | 4.6             | 17                 | 11.2             | 20                | 20.5            | 14                 | 12.4             |
| 30          | 77641       | -603         | -57        |            | 19                | 9.8             | 28                 | 17.4             | 33                | 29.8            | 16                 | 5.1              | 14                | 4.6             | 16                 | 10.5             | 19                | 12.4            | 17                 | 9.6              |
| 20          | 86326       | -555         | -50        |            | 12                | 2.4             | 13                 | 3.5              | 15                | 21.4            | 10                 | 4.7              | 22                | 1.8             | 19                 | 3.9              | 19                | 7.6             | 12                 | 3.5              |
| 10          | 100759      | -1126        | -38        |            | 25                | 4.9             | 26                 | 7.0              | 30                | 42.9            | 20                 | 9.5              | 45                | 3.7             | 38                 | 7.9              | 38                | 15.4            | 25                 | 7.0              |

MAY Latitude=-2.50 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 26         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 11                 | 8.3              | 9                 | 72.9            | 7                  | 18.7             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 338         | -26          | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 7                 | 0.1             | 11                 | 10.1             | 12                | 79.3            | 11                 | 10.3             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4972        | 192          | 18         | 13         | 0                 | 0.0             | 0                  | 0.0              | 11                | 0.8             | 14                 | 29.8             | 18                | 69.0            | 12                 | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10347       | 465          | 10         | 5          | 1.9               | 6               | 6.1                | 9                | 20.1              | 9               | 11                 | 36.7             | 10                | 24.8            | 7                  | 4.9              | 8                 | 2.5             | 6                  | 1.7              |
| 500         | 19269       | 980          | -5         | -14        | 6                 | 7.7             | 9                  | 13.7             | 10                | 30.6            | 9                  | 16.2             | 7                 | 7.2             | 8                  | 7.4              | 8                 | 8.8             | 8                  | 6.6              |
| 400         | 24908       | 1334         | -16        | -26        | 8                 | 8.0             | 10                 | 16.6             | 13                | 29.3            | 10                 | 17.2             | 9                 | 9.6             | 7                  | 5.3              | 10                | 6.1             | 9                  | 6.4              |
| 300         | 31840       | 1775         | -31        | -41        | 8                 | 8.3             | 10                 | 14.9             | 13                | 24.6            | 12                 | 13.8             | 9                 | 9.6             | 9                  | 7.5              | 11                | 10.3            | 12                 | 9.5              |
| 250         | 35997       | 1998         | -41        |            | 10                | 10.1            | 11                 | 13.0             | 13                | 20.6            | 13                 | 15.8             | 11                | 7.4             | 10                 | 8.0              | 13                | 12.0            | 13                 | 11.7             |
| 200         | 40868       | 2206         | -53        |            | 10                | 8.3             | 11                 | 13.2             | 16                | 20.4            | 13                 | 14.0             | 12                | 6.1             | 12                 | 9.1              | 15                | 15.1            | 15                 | 12.9             |
| 150         | 46779       | 2132         | -67        |            | 11                | 8.0             | 14                 | 14.5             | 17                | 23.8            | 14                 | 12.0             | 14                | 4.9             | 15                 | 9.0              | 20                | 14.5            | 19                 | 12.7             |
| 100         | 54537       | 1454         | -77        |            | 10                | 7.2             | 11                 | 12.4             | 15                | 23.5            | 12                 | 10.8             | 9                 | 6.7             | 14                 | 11.6             | 17                | 18.2            | 14                 | 9.0              |
| 70          | 61275       | 771          | -73        |            | 10                | 7.2             | 10                 | 6.4              | 17                | 23.7            | 13                 | 11.2             | 9                 | 5.8             | 12                 | 10.4             | 15                | 23.0            | 12                 | 11.4             |
| 50          | 67799       | 292          | -64        |            | 8                 | 5.2             | 14                 | 5.0              | 30                | 31.5            | 16                 | 7.2              | 10                | 3.1             | 11                 | 6.3              | 21                | 31.0            | 12                 | 9.8              |
| 30          | 78225       | -19          | -55        |            | 9                 | 4.6             | 19                 | 8.0              | 38                | 51.1            | 16                 | 4.1              | 11                | 2.8             | 15                 | 5.8              | 27                | 15.4            | 12                 | 7.3              |
| 20          | 86961       | 80           | -49        |            | 7                 | 0.8             | 14                 | 6.0              | 17                | 26.3            | 16                 | 3.6              | 13                | 1.5             | 16                 | 1.5              | 24                | 9.5             | 4                  | 0.1              |
| 10          | 102095      | 210          | -38        |            | 13                | 1.7             | 27                 | 12.2             | 33                | 52.7            | 31                 | 7.3              | 26                | 3.1             | 31                 | 3.1              | 48                | 19.2            | 8                  | 0.3              |

MAY Latitude=-2.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 28         | 25         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 4.1              | 11                | 81.9            | 12                 | 13.2             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 320         | -44          | 27         | 24         | 1                 | 0.1             | 0                  | 0.0              | 5                 | 0.6             | 12                 | 14.3             | 13                | 73.8            | 13                 | 10.4             | 1                 | 0.1             | 0                  | 0.0              |
| 850         | 4966        | 186          | 18         | 13         | 0                 | 0.0             | 5                  | 0.3              | 10                | 3.3             | 15                 | 42.7             | 16                | 51.9            | 11                 | 1.2              | 3                 | 0.1             | 0                  | 0.0              |
| 700         | 10341       | 459          | 10         | -0         | 4                 | 2.0             | 6                  | 4.9              | 9                 | 17.5            | 10                 | 34.6             | 11                | 25.3            | 9                  | 10.1             | 10                | 3.0             | 5                  | 1.7              |
| 500         | 19266       | 977          | -5         | -14        | 6                 | 8.5             | 8                  | 15.8             | 11                | 26.1            | 10                 | 14.5             | 7                 | 6.9             | 9                  | 9.5              | 9                 | 9.1             | 8                  | 8.3              |
| 400         | 24907       | 1333         | -16        | -25        | 8                 | 7.5             | 10                 | 19.6             | 14                | 27.9            | 11                 | 15.3             | 10                | 9.0             | 10                 | 7.4              | 10                | 5.3             | 10                 | 6.7              |
| 300         | 31841       | 1776         | -31        | -40        | 8                 | 8.7             | 11                 | 14.8             | 14                | 23.0            | 12                 | 15.9             | 10                | 12.0            | 10                 | 6.4              | 12                | 7.5             | 11                 | 11.1             |
| 250         | 35997       | 1998         | -41        |            | 10                | 9.3             | 13                 | 12.4             | 14                | 18.3            | 15                 | 16.2             | 11                | 11.6            | 11                 | 8.2              | 15                | 11.1            | 13                 | 12.2             |
| 200         | 40867       | 2205         | -53        |            | 13                | 8.7             | 12                 | 9.3              | 15                | 19.9            | 14                 | 15.9             | 13                | 9.0             | 15                 | 11.1             | 18                | 17.2            | 14                 | 8.3              |
| 150         | 46778       | 2131         | -67        |            | 13                | 6.9             | 14                 | 15.6             | 18                | 24.0            | 15                 | 10.8             | 13                | 6.2             | 17                 | 9.9              | 20                | 15.1            | 17                 | 10.8             |
| 100         | 54543       | 1460         | -77        |            | 11                | 8.0             | 13                 | 9.5              | 15                | 21.9            | 13                 | 14.3             | 11                | 6.6             | 13                 | 11.6             | 16                | 17.7            | 14                 | 9.6              |
| 70          | 61277       | 773          | -74        |            | 12                | 7.2             | 11                 | 6.1              | 18                | 20.9            | 14                 | 12.0             | 9                 | 6.7             | 12                 | 11.1             | 14                | 24.6            | 13                 | 10.6             |
| 50          | 67794       | 287          | -64        |            | 8                 | 4.3             | 13                 | 6.0              | 31                | 28.5            | 15                 | 6.7              | 8                 | 2.8             | 14                 | 10.5             | 21                | 30.0            | 15                 | 10.5             |
| 30          | 78207       | -37          | -55        |            | 11                | 5.5             | 22                 | 11.0             | 38                | 47.6            | 14                 | 4.5              | 12                | 3.3             | 14                 | 5.7              | 28                | 16.1            | 14                 | 6.0              |
| 20          | 86943       | 62           | -49        |            | 5                 | 0.6             | 13                 | 6.0              | 17                | 26.1            | 14                 | 4.3              | 11                | 1.0             | 17                 | 1.3              | 27                | 9.9             | 2                  | 0.1              |
| 10          | 102086      | 201          | -38        |            | 11                | 1.3             | 26                 | 12.2             | 33                | 52.4            | 29                 | 8.7              | 22                | 2.0             | 35                 | 2.7              | 54                | 19.9            | 5                  | 0.3              |

MAY Latitude=-2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N   | NE    | E    | SE    | S    | SW    | W     | NW    |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|-------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ   | SPD   |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (kts) | (kts) |
| SEC  | .      | .    | 28  | 25  | 5     | 0.3 | 5     | 1.9  | 9     | 25.8 | 10    | 5.8   | 0     |
| 1000 | 311    | -53  | 27  | 24  | 6     | 0.1 | 6     | 0.8  | 11    | 41.1 | 10    | 4.6   | 0     |
| 850  | 4959   | 179  | 18  | 13  | 3     | 0.3 | 5     | 0.8  | 15    | 50.4 | 8     | 4.0   | 0     |
| 700  | 10338  | 456  | 10  | -1  | 5     | 2.9 | 6     | 6.2  | 10    | 27.0 | 11    | 12.5  | 6     |
| 500  | 19263  | 974  | -5  | -15 | 7     | 8.8 | 9     | 15.4 | 10    | 12.2 | 9     | 11.4  | 8     |
| 400  | 24905  | 1331 | -16 | -25 | 9     | 8.2 | 10    | 18.5 | 12    | 12.4 | 10    | 10.1  | 10    |
| 300  | 31839  | 1774 | -31 | -41 | 10    | 9.8 | 13    | 14.0 | 12    | 15.1 | 11    | 6.2   | 12    |
| 250  | 35995  | 1996 | -40 | .   | 11    | 9.0 | 14    | 13.0 | 14    | 17.5 | 13    | 7.0   | 12    |
| 200  | 40865  | 2203 | -53 | .   | 12    | 8.3 | 14    | 13.2 | 13    | 16.1 | 14    | 11.6  | 14    |
| 150  | 46775  | 2128 | -67 | .   | 13    | 8.7 | 16    | 15.8 | 14    | 11.1 | 15    | 9.9   | 17    |
| 100  | 54544  | 1461 | -77 | .   | 11    | 7.7 | 13    | 11.1 | 13    | 13.8 | 11    | 6.9   | 12    |
| 70   | 61276  | 772  | -74 | .   | 12    | 6.4 | 11    | 5.3  | 14    | 10.4 | 11    | 13.7  | 12    |
| 50   | 67791  | 284  | -64 | .   | 11    | 4.5 | 17    | 6.5  | 15    | 5.3  | 16    | 11.0  | 13    |
| 30   | 78200  | -44  | -55 | .   | 13    | 3.0 | 25    | 12.7 | 13    | 6.0  | 13    | 7.8   | 12    |
| 20   | 86936  | 55   | -49 | .   | 8     | 0.5 | 14    | 6.0  | 12    | 4.3  | 17    | 1.0   | 1     |
| 10   | 102078 | 193  | -38 | .   | 17    | 1.0 | 28    | 12.2 | 25    | 8.7  | 34    | 2.0   | 2     |

MAY Latitude= 0.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N   | NE    | E    | SE    | S    | SW    | W     | NW    |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|-------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ   | SPD   |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (kts) | (kts) |
| SEC  | .      | .    | 28  | 19  | 0     | 0.0 | 0     | 0.0  | 9     | 11.6 | 7     | 4.1   | 0     |
| 1000 | 315    | -49  | 27  | 22  | 0     | 0.0 | 0     | 0.0  | 11    | 26.6 | 9     | 4.8   | 0     |
| 850  | 4963   | 183  | 18  | 14  | 0     | 0.0 | 0     | 0.0  | 16    | 22.9 | 14    | 0.1   | 0     |
| 700  | 10347  | 465  | 10  | 2   | 5     | 2.5 | 6     | 6.9  | 10    | 34.3 | 6     | 8.0   | 5     |
| 500  | 19269  | 980  | -5  | -15 | 7     | 9.9 | 9     | 20.9 | 9     | 14.1 | 7     | 4.6   | 7     |
| 400  | 24905  | 1331 | -16 | -26 | 8     | 6.6 | 10    | 20.6 | 11    | 16.4 | 6     | 3.8   | 8     |
| 300  | 31839  | 1774 | -31 | -42 | 9     | 9.1 | 10    | 15.1 | 10    | 18.5 | 10    | 3.5   | 10    |
| 250  | 35997  | 1998 | -41 | .   | 10    | 9.0 | 11    | 15.9 | 13    | 19.3 | 11    | 7.2   | 12    |
| 200  | 40869  | 2207 | -53 | .   | 11    | 7.7 | 12    | 11.9 | 13    | 15.9 | 13    | 11.1  | 15    |
| 150  | 46781  | 2134 | -67 | .   | 11    | 7.9 | 13    | 14.1 | 13    | 13.5 | 12    | 8.0   | 13    |
| 100  | 54543  | 1460 | -77 | .   | 10    | 7.7 | 12    | 12.0 | 13    | 11.9 | 13    | 8.7   | 14    |
| 70   | 61277  | 773  | -74 | .   | 10    | 6.2 | 12    | 9.1  | 17    | 19.6 | 14    | 11.4  | 11    |
| 50   | 67799  | 292  | -64 | .   | 10    | 4.6 | 17    | 7.0  | 15    | 5.8  | 15    | 6.3   | 14    |
| 30   | 78226  | -18  | -55 | .   | 10    | 2.8 | 20    | 10.2 | 15    | 5.5  | 22    | 17.9  | 12    |
| 20   | 86962  | 81   | -49 | .   | 7     | 0.6 | 13    | 5.1  | 16    | 3.4  | 21    | 9.9   | 14    |
| 10   | 102092 | 207  | -38 | .   | 14    | 1.3 | 26    | 10.4 | 31    | 6.9  | 42    | 19.9  | 28    |

MAY Latitude= 0.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 3.5              | 9                 | 78.7            | 8                  | 17.7             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 308         | -56          | 27         | 24         | 0                 | 0.0             | 0                  | 0.0              | 5                 | 0.1             | 11                 | 10.4             | 12                | 76.1            | 11                 | 13.2             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4962        | 182          | 18         | 14         | 3                 | 0.3             | 3                  | 0.9              | 8                 | 1.2             | 15                 | 19.8             | 16                | 71.4            | 12                 | 5.8              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10343       | 461          | 10         | 1          | 6                 | 2.9             | 5                  | 4.9              | 8                 | 11.4            | 9                  | 27.0             | 9                 | 23.3            | 10                 | 18.8             | 7                 | 6.9             | 5                  | 3.5              |
| 500         | 19266       | 977          | -5         | -14        | 7                 | 10.9            | 9                  | 21.2             | 11                | 24.1            | 9                  | 13.8             | 7                 | 6.6             | 9                  | 6.7              | 8                 | 6.6             | 8                  | 8.7              |
| 400         | 24905       | 1331         | -16        | -25        | 8                 | 7.9             | 11                 | 20.9             | 14                | 31.1            | 12                 | 14.5             | 9                 | 8.8             | 8                  | 4.5              | 9                 | 4.9             | 9                  | 6.4              |
| 300         | 31839       | 1774         | -31        | -40        | 10                | 10.4            | 11                 | 14.6             | 14                | 27.9            | 11                 | 18.7             | 10                | 10.6            | 10                 | 4.1              | 10                | 4.6             | 10                 | 8.0              |
| 250         | 35996       | 1997         | -41        | .          | 10                | 9.6             | 13                 | 14.5             | 13                | 19.9            | 14                 | 19.8             | 12                | 9.8             | 11                 | 6.2              | 12                | 8.7             | 12                 | 10.6             |
| 200         | 40866       | 2204         | -53        | .          | 13                | 6.1             | 13                 | 9.5              | 15                | 21.1            | 14                 | 17.9             | 12                | 10.8            | 14                 | 12.0             | 17                | 12.7            | 14                 | 9.3              |
| 150         | 46776       | 2129         | -67        | .          | 12                | 8.8             | 15                 | 13.8             | 17                | 28.2            | 15                 | 12.4             | 12                | 8.5             | 15                 | 8.3              | 20                | 11.4            | 13                 | 8.0              |
| 100         | 54546       | 1463         | -77        | .          | 11                | 7.2             | 13                 | 12.5             | 16                | 24.3            | 14                 | 14.5             | 11                | 7.7             | 13                 | 9.5              | 16                | 15.9            | 12                 | 7.2              |
| 70          | 61277       | 773          | -74        | .          | 11                | 7.5             | 12                 | 8.7              | 18                | 17.9            | 13                 | 10.6             | 10                | 8.2             | 14                 | 11.9             | 17                | 23.5            | 12                 | 10.8             |
| 50          | 67792       | 285          | -64        | .          | 13                | 4.3             | 18                 | 6.7              | 27                | 27.8            | 14                 | 5.8              | 10                | 2.1             | 15                 | 7.8              | 21                | 35.5            | 14                 | 9.5              |
| 30          | 78204       | -40          | -55        | .          | 9                 | 5.2             | 23                 | 13.4             | 37                | 43.4            | 12                 | 5.3              | 11                | 2.6             | 13                 | 4.5              | 24                | 17.9            | 14                 | 7.0              |
| 20          | 86937       | 56           | -49        | .          | 8                 | 0.6             | 14                 | 4.6              | 17                | 28.7            | 15                 | 3.2              | 12                | 0.6             | 9                  | 0.5              | 25                | 10.6            | 6                  | 0.5              |
| 10          | 102083      | 198          | -39        | .          | 15                | 1.3             | 28                 | 9.4              | 35                | 57.6            | 29                 | 6.6              | 24                | 1.3             | 18                 | 1.0              | 50                | 21.3            | 12                 | 1.0              |

MAY Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 25         | 0                 | 0.0             | 0                  | 0.0              | 4                 | 3.8             | 8                  | 7.4              | 10                | 49.0            | 11                 | 39.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 307         | -57          | 27         | 25         | 0                 | 0.0             | 2                  | 0.1              | 8                 | 3.0             | 10                 | 19.6             | 11                | 47.9            | 12                 | 28.3             | 8                 | 0.6             | 0                  | 0.0              |
| 850         | 4957        | 177          | 18         | 13         | 4                 | 1.2             | 4                  | 0.6              | 9                 | 4.1             | 13                 | 23.8             | 14                | 48.3            | 12                 | 17.0             | 7                 | 2.5             | 5                  | 1.6              |
| 700         | 10339       | 457          | 10         | -1         | 5                 | 4.3             | 6                  | 8.5              | 7                 | 12.2            | 8                  | 18.0             | 8                 | 13.8            | 10                 | 24.5             | 9                 | 9.9             | 6                  | 6.7              |
| 500         | 19263       | 974          | -5         | -15        | 7                 | 13.8            | 10                 | 19.9             | 11                | 20.8            | 9                  | 10.1             | 8                 | 6.7             | 9                  | 7.5              | 10                | 9.3             | 8                  | 10.1             |
| 400         | 24904       | 1330         | -16        | -26        | 9                 | 10.1            | 11                 | 20.6             | 15                | 29.6            | 12                 | 10.8             | 9                 | 9.9             | 10                 | 3.8              | 9                 | 7.5             | 9                  | 6.2              |
| 300         | 31838       | 1773         | -31        | -41        | 10                | 11.1            | 12                 | 16.9             | 14                | 25.6            | 11                 | 14.9             | 9                 | 11.1            | 11                 | 6.9              | 9                 | 6.1             | 12                 | 7.0              |
| 250         | 35996       | 1997         | -40        | .          | 11                | 8.7             | 13                 | 13.5             | 13                | 20.3            | 14                 | 15.9             | 12                | 13.0            | 13                 | 8.0              | 13                | 8.3             | 13                 | 11.1             |
| 200         | 40866       | 2204         | -53        | .          | 11                | 7.7             | 13                 | 12.7             | 15                | 20.6            | 14                 | 15.1             | 14                | 11.4            | 15                 | 13.5             | 18                | 11.4            | 16                 | 7.2              |
| 150         | 46775       | 2128         | -67        | .          | 12                | 9.6             | 16                 | 14.5             | 19                | 24.0            | 14                 | 14.3             | 11                | 8.0             | 17                 | 11.1             | 20                | 11.2            | 13                 | 6.4              |
| 100         | 54548       | 1465         | -77        | .          | 12                | 6.6             | 14                 | 11.9             | 16                | 25.0            | 14                 | 13.5             | 11                | 7.9             | 14                 | 11.4             | 18                | 14.5            | 10                 | 7.9              |
| 70          | 61279       | 775          | -74        | .          | 12                | 5.9             | 13                 | 9.1              | 16                | 17.4            | 12                 | 11.6             | 10                | 8.3             | 14                 | 11.9             | 16                | 22.9            | 11                 | 12.2             |
| 50          | 67791       | 284          | -64        | .          | 11                | 4.0             | 20                 | 8.2              | 27                | 26.6            | 13                 | 5.5              | 10                | 2.6             | 15                 | 10.0             | 21                | 34.0            | 15                 | 8.5              |
| 30          | 78198       | -46          | -55        | .          | 10                | 5.0             | 24                 | 13.0             | 37                | 43.1            | 14                 | 4.1              | 8                 | 3.5             | 11                 | 6.2              | 28                | 16.4            | 11                 | 8.0              |
| 20          | 86931       | 50           | -49        | .          | 9                 | 1.1             | 16                 | 4.1              | 17                | 28.6            | 15                 | 3.4              | 9                 | 0.8             | 3                  | 0.1              | 28                | 11.0            | 4                  | 0.2              |
| 10          | 102081      | 196          | -39        | .          | 19                | 2.4             | 32                 | 8.3              | 35                | 57.3            | 31                 | 6.9              | 18                | 1.7             | 5                  | 0.3              | 56                | 22.0            | 9                  | 0.6              |

MAY Latitude= 2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 18  | 0     | 0.0  | 0     | 0.0  | 4     | 0.6  | 7     | 16.  | 8     | 82.2 | 3     | 0.3  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 336    | -28  | 27  | 23  | 0     | 0.0  | 0     | 0.0  | 6     | 0.8  | 9     | 23   | 10    | 70.4 | 7     | 4.3  | 5     | 0.4  | 2     | 0.4  |
| 850  | 4961   | 181  | 19  | 15  | 0     | 0.0  | 0     | 0.0  | 7     | 0.6  | 15    | 19.5 | 16    | 79.5 | 11    | 0.3  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10347  | 465  | 10  | 3   | 5     | 6.1  | 6     | 12.9 | 8     | 17.9 | 10    | 22.2 | 8     | 19.8 | 7     | 11.1 | 4     | 3.8  | 4     | 4.3  |
| 500  | 19274  | 985  | -5  | -15 | 8     | 10.4 | 10    | 28.5 | 12    | 35.8 | 8     | 10.6 | 6     | 3.7  | 6     | 2.2  | 5     | 2.7  | 7     | 4.8  |
| 400  | 24906  | 1332 | -16 | -26 | 8     | 5.9  | 11    | 19.3 | 14    | 39.0 | 10    | 15.6 | 8     | 8.5  | 6     | 3.8  | 9     | 3.0  | 8     | 4.0  |
| 300  | 31834  | 1769 | -31 | -42 | 11    | 5.4  | 11    | 17.5 | 13    | 34.3 | 11    | 19.8 | 9     | 6.7  | 9     | 4.9  | 9     | 4.0  | 9     | 6.1  |
| 250  | 35996  | 1997 | -41 | .   | 10    | 9.6  | 13    | 16.6 | 14    | 23.7 | 12    | 21.1 | 11    | 9.5  | 11    | 5.9  | 10    | 6.4  | 11    | 6.4  |
| 200  | 40868  | 2206 | -53 | .   | 12    | 8.7  | 13    | 15.4 | 15    | 22.2 | 14    | 16.6 | 13    | 10.4 | 13    | 8.8  | 14    | 8.7  | 16    | 8.8  |
| 150  | 46780  | 2133 | -67 | .   | 13    | 9.3  | 14    | 12.4 | 18    | 32.0 | 14    | 11.1 | 11    | 9.5  | 13    | 8.7  | 13    | 9.5  | 16    | 6.9  |
| 100  | 54544  | 1461 | -77 | .   | 10    | 7.9  | 13    | 15.9 | 16    | 31.2 | 15    | 10.6 | 10    | 8.0  | 13    | 9.3  | 18    | 9.0  | 13    | 7.0  |
| 70   | 61274  | 770  | -74 | .   | 8     | 7.9  | 12    | 15.1 | 17    | 22.0 | 11    | 11.1 | 11    | 8.0  | 14    | 9.1  | 20    | 19.3 | 13    | 6.4  |
| 50   | 67793  | 286  | -64 | .   | 10    | 6.7  | 18    | 10.4 | 27    | 27.8 | 14    | 4.6  | 11    | 3.1  | 11    | 8.0  | 19    | 27.5 | 12    | 11.5 |
| 30   | 78223  | -21  | -55 | .   | 9     | 4.6  | 24    | 12.9 | 37    | 43.9 | 12    | 5.8  | 10    | 2.8  | 13    | 5.5  | 19    | 10.2 | 14    | 13.4 |
| 20   | 86959  | 78   | -49 | .   | 4     | 0.8  | 13    | 4.6  | 18    | 27.2 | 13    | 4.3  | 14    | 0.5  | 0     | 0.0  | 16    | 5.1  | 14    | 6.9  |
| 10   | 102095 | 210  | -39 | .   | 9     | 1.7  | 26    | 9.4  | 37    | 54.5 | 26    | 8.7  | 28    | 1.0  | 0     | 0.0  | 33    | 10.4 | 27    | 13.9 |

MAY Latitude= 2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 20  | 0     | 0.0  | 0     | 0.0  | 7     | 0.3  | 5     | 4.1  | 8     | 66.7 | 8     | 28.7 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 314    | -50  | 27  | 23  | 0     | 0.0  | 0     | 0.0  | 9     | 0.1  | 8     | 4.8  | 11    | 59.5 | 11    | 35.1 | 5     | 0.3  | 0     | 0.0  |
| 850  | 4960   | 180  | 19  | 15  | 0     | 0.0  | 0     | 0.0  | 5     | 1.2  | 11    | 6.9  | 16    | 53.8 | 16    | 37.4 | 0     | 0.0  | 3     | 0.1  |
| 700  | 10347  | 465  | 10  | 3   | 5     | 5.9  | 6     | 6.9  | 8     | 9.3  | 10    | 13.3 | 8     | 19.1 | 9     | 23.7 | 6     | 14.0 | 5     | 6.2  |
| 500  | 19267  | 978  | -5  | -15 | 8     | 12.0 | 10    | 26.2 | 12    | 30.8 | 8     | 9.1  | 6     | 4.3  | 7     | 4.5  | 7     | 5.3  | 7     | 7.0  |
| 400  | 24904  | 1330 | -16 | -26 | 8     | 7.0  | 11    | 23.3 | 15    | 34.8 | 12    | 13.3 | 8     | 6.1  | 8     | 4.6  | 8     | 4.3  | 8     | 5.3  |
| 300  | 31834  | 1769 | -31 | -41 | 10    | 8.0  | 13    | 18.3 | 14    | 31.6 | 11    | 17.4 | 9     | 7.7  | 9     | 6.1  | 8     | 5.6  | 10    | 4.5  |
| 250  | 35995  | 1996 | -41 | .   | 11    | 8.5  | 14    | 16.4 | 14    | 21.1 | 13    | 19.8 | 11    | 11.6 | 11    | 5.9  | 10    | 5.8  | 11    | 10.1 |
| 200  | 40866  | 2204 | -53 | .   | 13    | 9.1  | 13    | 11.6 | 16    | 21.2 | 15    | 16.6 | 12    | 12.9 | 14    | 8.5  | 15    | 9.1  | 14    | 9.9  |
| 150  | 46777  | 2130 | -67 | .   | 13    | 8.5  | 14    | 12.2 | 18    | 30.3 | 14    | 12.4 | 12    | 9.8  | 15    | 9.3  | 15    | 10.3 | 14    | 6.6  |
| 100  | 54547  | 1464 | -77 | .   | 11    | 7.7  | 14    | 13.7 | 17    | 28.7 | 14    | 13.8 | 12    | 7.7  | 12    | 11.1 | 20    | 10.3 | 13    | 6.6  |
| 70   | 61277  | 773  | -74 | .   | 10    | 8.8  | 13    | 15.4 | 17    | 20.8 | 11    | 11.7 | 10    | 8.2  | 17    | 10.3 | 22    | 15.9 | 12    | 8.0  |
| 50   | 67789  | 282  | -64 | .   | 12    | 6.7  | 19    | 11.9 | 27    | 26.5 | 15    | 4.6  | 10    | 3.3  | 12    | 8.3  | 18    | 27.1 | 13    | 11.0 |
| 30   | 78208  | -36  | -55 | .   | 11    | 5.2  | 24    | 15.6 | 36    | 42.9 | 13    | 5.2  | 10    | 3.6  | 12    | 5.0  | 20    | 12.5 | 16    | 9.5  |
| 20   | 86944  | 63   | -49 | .   | 7     | 1.1  | 14    | 4.5  | 18    | 27.7 | 12    | 4.3  | 12    | 0.5  | 4     | 0.1  | 19    | 7.5  | 16    | 3.7  |
| 10   | 102092 | 207  | -39 | .   | 14    | 2.4  | 27    | 9.0  | 36    | 55.5 | 25    | 8.7  | 25    | 1.0  | 9     | 0.3  | 38    | 15.0 | 32    | 7.6  |

MAY Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 22  | 0     | 0.0  | 0     | 0.0  | 5     | 2.2  | 10    | 35.8 | 11    | 57.4 |
| 1000 | 296    | -68  | 28  | 23  | 0     | 0.0  | 0     | 0.0  | 7     | 1.7  | 12    | 46.7 | 13    | 40.9 |
| 850  | 4952   | 172  | 19  | 14  | 7     | 0.1  | 4     | 2.2  | 7     | 2.0  | 14    | 29.9 | 8     | 2.5  |
| 700  | 10342  | 460  | 10  | 2   | 5     | 8.3  | 7     | 7.9  | 8     | 7.9  | 7     | 9.5  | 9     | 24.5 |
| 500  | 19264  | 975  | -5  | -15 | 9     | 14.0 | 10    | 27.9 | 11    | 24.8 | 7     | 4.0  | 9     | 5.1  |
| 400  | 24903  | 1329 | -16 | -27 | 10    | 10.3 | 12    | 20.8 | 16    | 33.3 | 9     | 5.4  | 8     | 6.2  |
| 300  | 31835  | 1770 | -31 | -42 | 12    | 9.6  | 13    | 19.5 | 15    | 28.8 | 10    | 8.2  | 10    | 6.2  |
| 250  | 35994  | 1995 | -40 | .   | 12    | 9.3  | 14    | 15.4 | 15    | 19.1 | 11    | 11.4 | 12    | 8.0  |
| 200  | 40864  | 2202 | -53 | .   | 11    | 9.3  | 14    | 11.7 | 16    | 20.4 | 14    | 10.9 | 13    | 13.3 |
| 150  | 46773  | 2126 | -67 | .   | 12    | 9.3  | 14    | 14.5 | 20    | 25.9 | 15    | 9.6  | 16    | 10.3 |
| 100  | 54548  | 1465 | -77 | .   | 10    | 5.9  | 14    | 14.9 | 17    | 27.4 | 12    | 7.4  | 14    | 9.8  |
| 70   | 61277  | 773  | -74 | .   | 10    | 8.0  | 13    | 16.7 | 12    | 11.9 | 10    | 8.8  | 14    | 12.0 |
| 50   | 67786  | 279  | -64 | .   | 11    | 6.0  | 21    | 11.2 | 25    | 27.5 | 15    | 4.6  | 12    | 11.2 |
| 30   | 78198  | -46  | -55 | .   | 13    | 7.0  | 25    | 14.2 | 36    | 42.4 | 13    | 6.5  | 14    | 4.1  |
| 20   | 86934  | 53   | -49 | .   | 10    | 1.0  | 15    | 4.1  | 17    | 27.9 | 14    | 4.3  | 21    | 9.9  |
| 10   | 102088 | 203  | -39 | .   | 20    | 2.0  | 29    | 8.3  | 35    | 55.9 | 27    | 8.7  | 41    | 19.9 |

MAY Latitude= 5.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 21  | 15  | 0     | 0.0  | 2     | 0.6  | 4     | 1.6  | 6     | 60.3 | 3     | 0.3  |
| 1000 | 381    | 17   | 27  | 24  | 0     | 0.0  | 4     | 0.6  | 6     | 3.0  | 9     | 51.4 | 6     | 2.9  |
| 850  | 4951   | 171  | 20  | 17  | 0     | 0.0  | 3     | 0.4  | 7     | 1.2  | 10    | 64.0 | 7     | 0.6  |
| 700  | 10350  | 468  | 10  | 6   | 5     | 11.7 | 7     | 15.1 | 8     | 13.7 | 9     | 14.9 | 6     | 11.1 |
| 500  | 19278  | 989  | -5  | -15 | 9     | 10.6 | 12    | 39.5 | 13    | 34.5 | 5     | 1.6  | 5     | 0.9  |
| 400  | 24920  | 1346 | -16 | -26 | 7     | 4.8  | 12    | 20.9 | 14    | 44.1 | 7     | 5.8  | 5     | 2.2  |
| 300  | 31828  | 1763 | -30 | -42 | 9     | 6.4  | 13    | 15.4 | 14    | 37.0 | 9     | 9.1  | 6     | 3.0  |
| 250  | 36000  | 2001 | -41 | .   | 11    | 7.9  | 13    | 17.2 | 13    | 31.6 | 11    | 9.6  | 10    | 3.8  |
| 200  | 40873  | 2211 | -53 | .   | 14    | 11.1 | 14    | 20.4 | 16    | 20.3 | 12    | 7.2  | 14    | 6.4  |
| 150  | 46783  | 2136 | -67 | .   | 14    | 10.1 | 14    | 15.8 | 18    | 29.5 | 12    | 7.7  | 13    | 8.7  |
| 100  | 54534  | 1451 | -77 | .   | 13    | 8.8  | 14    | 16.4 | 18    | 30.8 | 10    | 7.7  | 17    | 7.5  |
| 70   | 61258  | 754  | -74 | .   | 9     | 6.2  | 13    | 17.2 | 17    | 34.6 | 10    | 5.9  | 23    | 10.1 |
| 50   | 67792  | 285  | -64 | .   | 10    | 9.3  | 17    | 15.1 | 24    | 36.0 | 10    | 4.5  | 16    | 12.9 |
| 30   | 78239  | -5   | -54 | .   | 15    | 5.5  | 24    | 13.9 | 32    | 50.0 | 13    | 3.8  | 13    | 6.2  |
| 20   | 86987  | 106  | -49 | .   | 8     | 2.5  | 11    | 5.0  | 18    | 26.3 | 12    | 3.7  | 9     | 2.7  |
| 10   | 102107 | 222  | -39 | .   | 17    | 5.2  | 22    | 10.1 | 36    | 52.7 | 24    | 7.6  | 18    | 5.5  |

MAY Latitude= 5.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 19  | 0     | 0.0  | 5     | 0.3  | 9     | 56.4 | 4     | 0.9  |
| 1000 | 306    | -58  | 28  | 22  | 2     | 0.1  | 4     | 0.9  | 11    | 53.0 | 4     | 0.9  |
| 850  | 4948   | 168  | 20  | 15  | 0     | 0.0  | 6     | 0.8  | 14    | 36.9 | 8     | 0.1  |
| 700  | 10348  | 466  | 10  | 3   | 7     | 14.0 | 8     | 8.5  | 12    | 18.8 | 8     | 20.8 |
| 500  | 19276  | 987  | -5  | -17 | 9     | 11.6 | 12    | 36.9 | 6     | 2.4  | 7     | 2.4  |
| 400  | 24910  | 1336 | -16 | -28 | 10    | 6.9  | 16    | 40.9 | 8     | 4.1  | 6     | 3.5  |
| 300  | 31836  | 1771 | -31 | -43 | 10    | 7.0  | 14    | 36.4 | 9     | 7.2  | 7     | 3.2  |
| 250  | 35997  | 1998 | -41 | .   | 11    | 8.8  | 14    | 24.8 | 11    | 10.6 | 10    | 5.3  |
| 200  | 40867  | 2205 | -53 | .   | 16    | 9.3  | 13    | 16.9 | 12    | 8.5  | 14    | 7.4  |
| 150  | 46778  | 2131 | -67 | .   | 15    | 9.1  | 15    | 12.4 | 12    | 8.2  | 15    | 12.0 |
| 100  | 54546  | 1463 | -77 | .   | 11    | 7.5  | 15    | 16.4 | 12    | 9.5  | 13    | 10.4 |
| 70   | 61275  | 771  | -74 | .   | 10    | 8.0  | 14    | 17.9 | 10    | 6.1  | 14    | 9.3  |
| 50   | 67789  | 282  | -64 | .   | 11    | 9.2  | 18    | 15.6 | 9     | 5.7  | 10    | 4.3  |
| 30   | 78216  | -28  | -55 | .   | 16    | 5.8  | 25    | 14.4 | 10    | 4.1  | 12    | 2.8  |
| 20   | 86956  | 75   | -49 | .   | 10    | 2.9  | 11    | 4.1  | 6     | 1.1  | 3     | 0.5  |
| 10   | 102107 | 222  | -39 | .   | 20    | 5.9  | 22    | 8.3  | 13    | 2.4  | 7     | 1.0  |

MAY Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 20  | 0     | 0.0  | 6     | 1.2  | 9     | 27.4 | 8     | 2.2  |
| 1000 | 295    | -69  | 29  | 23  | 1     | 0.1  | 6     | 1.7  | 11    | 34.6 | 8     | 2.2  |
| 850  | 4946   | 166  | 19  | 15  | 3     | 0.1  | 7     | 2.0  | 12    | 18.3 | 13    | 2.4  |
| 700  | 10345  | 463  | 10  | 4   | 6     | 7.9  | 9     | 6.1  | 7     | 7.7  | 10    | 31.4 |
| 500  | 19271  | 982  | -5  | -16 | 9     | 13.5 | 12    | 31.4 | 4     | 2.4  | 8     | 3.2  |
| 400  | 24908  | 1334 | -16 | -28 | 10    | 10.9 | 17    | 38.0 | 7     | 3.0  | 9     | 4.0  |
| 300  | 31836  | 1771 | -31 | -43 | 10    | 10.1 | 15    | 33.2 | 10    | 7.7  | 10    | 7.0  |
| 250  | 35996  | 1997 | -41 | .   | 12    | 10.3 | 15    | 23.7 | 11    | 11.4 | 10    | 7.2  |
| 200  | 40866  | 2204 | -53 | .   | 12    | 9.3  | 15    | 13.8 | 12    | 10.8 | 13    | 12.5 |
| 150  | 46776  | 2129 | -67 | .   | 14    | 8.0  | 20    | 27.9 | 11    | 7.4  | 15    | 12.5 |
| 100  | 54549  | 1466 | -77 | .   | 11    | 7.9  | 18    | 29.9 | 11    | 7.9  | 18    | 10.8 |
| 70   | 61276  | 772  | -74 | .   | 10    | 6.1  | 17    | 31.9 | 10    | 6.9  | 22    | 10.6 |
| 50   | 67787  | 280  | -64 | .   | 11    | 6.5  | 24    | 35.4 | 10    | 6.2  | 15    | 5.7  |
| 30   | 78211  | -33  | -55 | .   | 16    | 4.3  | 34    | 49.6 | 14    | 4.5  | 13    | 2.1  |
| 20   | 86951  | 70   | -49 | .   | 8     | 1.1  | 18    | 27.2 | 8     | 1.3  | 5     | 1.1  |
| 10   | 102108 | 223  | -39 | .   | 16    | 2.4  | 36    | 54.5 | 16    | 2.7  | 11    | 2.4  |

JUN Latitude=-2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 18  | 0     | 0.0  | 0     | 0.0  | 10    | 78.8 | 8     | 11.7 |
| 1000 | 404    | 40   | 25  | 21  | 0     | 0.0  | 0     | 0.0  | 14    | 85.8 | 13    | 5.3  |
| 850  | 5014   | 234  | 16  | 10  | 0     | 0.0  | 0     | 0.0  | 20    | 85.4 | 18    | 1.1  |
| 700  | 10364  | 482  | 9   | -1  | 0     | 0.0  | 8     | 4.6  | 12    | 35.4 | 10    | 21.4 |
| 500  | 19270  | 981  | -5  | -18 | 6     | 3.8  | 11    | 11.9 | 9     | 15.6 | 9     | 16.3 |
| 400  | 24901  | 1327 | -16 | -30 | 5     | 4.1  | 14    | 19.8 | 8     | 14.4 | 9     | 11.4 |
| 300  | 31814  | 1749 | -32 | -45 | 10    | 8.8  | 14    | 25.4 | 10    | 9.4  | 11    | 5.8  |
| 250  | 35955  | 1956 | -41 | .   | 11    | 11.8 | 18    | 31.6 | 10    | 6.6  | 12    | 6.6  |
| 200  | 40806  | 2144 | -54 | .   | 13    | 8.3  | 18    | 17.9 | 15    | 12.5 | 13    | 4.1  |
| 150  | 46700  | 2053 | -67 | .   | 13    | 6.6  | 21    | 23.3 | 16    | 2.8  | 20    | 8.1  |
| 100  | 54522  | 1439 | -74 | .   | 10    | 6.9  | 20    | 36.9 | 14    | 2.8  | 16    | 10.8 |
| 70   | 61336  | 832  | -72 | .   | 9     | 6.9  | 22    | 25.9 | 9     | 3.6  | 11    | 5.9  |
| 50   | 67915  | 408  | -64 | .   | 10    | 5.4  | 31    | 36.8 | 5     | 2.1  | 15    | 4.6  |
| 30   | 78396  | 152  | -55 | .   | 11    | 2.3  | 37    | 59.9 | 9     | 0.8  | 10    | 1.6  |
| 20   | 87129  | 248  | -49 | .   | 10    | 1.4  | 22    | 24.2 | 11    | 0.6  | 7     | 2.1  |
| 10   | 102191 | 306  | -39 | .   | 19    | 2.9  | 43    | 48.6 | 22    | 1.3  | 14    | 4.3  |

JUN Latitude=-2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0 | 0     | 0.0  | 14    | 84.8 | 15    | 14.4 |
| 1000 | 391    | 27   | 25  | 22  | 0     | 0.0 | 0     | 0.0  | 16    | 82.9 | 17    | 11.1 |
| 850  | 5005   | 225  | 16  | 10  | 0     | 0.0 | 0     | 0.0  | 20    | 75.8 | 21    | 1.9  |
| 700  | 10358  | 476  | 9   | -3  | 1     | 0.1 | 11    | 2.1  | 13    | 41.4 | 14    | 25.0 |
| 500  | 19268  | 979  | -5  | -18 | 7     | 2.8 | 11    | 11.4 | 10    | 18.3 | 11    | 20.6 |
| 400  | 24902  | 1328 | -16 | -29 | 5     | 2.9 | 14    | 19.8 | 10    | 16.3 | 10    | 12.5 |
| 300  | 31818  | 1753 | -32 | -43 | 9     | 7.3 | 15    | 25.6 | 10    | 10.4 | 9     | 6.1  |
| 250  | 35958  | 1959 | -41 | .   | 13    | 7.4 | 19    | 30.6 | 11    | 7.4  | 10    | 5.1  |
| 200  | 40807  | 2145 | -54 | .   | 14    | 8.1 | 25    | 38.6 | 12    | 4.9  | 8     | 2.6  |
| 150  | 46697  | 2050 | -67 | .   | 14    | 6.1 | 34    | 46.4 | 13    | 2.8  | 13    | 1.8  |
| 100  | 54526  | 1443 | -74 | .   | 11    | 8.9 | 21    | 37.8 | 9     | 2.9  | 10    | 3.3  |
| 70   | 61339  | 835  | -72 | .   | 11    | 8.4 | 23    | 23.9 | 10    | 2.9  | 15    | 6.8  |
| 50   | 67917  | 410  | -64 | .   | 11    | 6.1 | 33    | 31.3 | 7     | 1.8  | 14    | 5.3  |
| 30   | 78390  | 146  | -55 | .   | 9     | 2.1 | 37    | 55.8 | 7     | 1.4  | 8     | 1.1  |
| 20   | 87122  | 241  | -49 | .   | 8     | 2.4 | 22    | 23.6 | 15    | 0.2  | 6     | 1.7  |
| 10   | 102182 | 297  | -39 | .   | 15    | 4.9 | 44    | 47.3 | 31    | 0.6  | 13    | 3.6  |

JUN Latitude=-2.50 Longitude= 45.00

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(") | N            |            | NE           |            | E            |            | SE           |            | S            |            | SW           |            | W            |            | NW           |            |
|------|-------------|--------------|------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
|      |             |              |            |            | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) |
| SFC  | .           | .            | 26         | 23         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 11           | 6.0        | 13           | 82.2       | 13           | 11.7       | 0            | 0.0        | 0            | 0.0        |
| 1000 | 380         | 16           | 25         | 22         | 0            | 0.0        | 0            | 0.0        | 7            | 0.1        | 13           | 19.8       | 14           | 73.8       | 14           | 5.9        | 8            | 0.1        | 0            | 0.0        |
| 850  | 4995        | 215          | 17         | 10         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 19           | 36.8       | 19           | 59.6       | 17           | 3.4        | 0            | 0.0        | 0            | 0.0        |
| 700  | 10351       | 469          | 10         | -4         | 0            | 0.0        | 6            | 0.3        | 12           | 2.6        | 12           | 27.3       | 14           | 43.9       | 15           | 23.3       | 16           | 2.3        | 0            | 0.0        |
| 500  | 19265       | 976          | -5         | -18        | 7            | 2.4        | 8            | 4.9        | 10           | 9.1        | 11           | 19.1       | 10           | 15.8       | 11           | 22.3       | 12           | 21.3       | 6            | 3.9        |
| 400  | 24900       | 1326         | -16        | -29        | 5            | 4.6        | 10           | 6.1        | 15           | 19.1       | 11           | 17.3       | 10           | 17.4       | 10           | 12.3       | 10           | 12.9       | 9            | 8.8        |
| 300  | 31817       | 1752         | -32        | -43        | 9            | 5.3        | 12           | 14.4       | 17           | 25.3       | 13           | 18.1       | 10           | 11.1       | 10           | 6.9        | 12           | 7.8        | 12           | 10.1       |
| 250  | 35957       | 1958         | -41        | .          | 11           | 7.6        | 15           | 16.4       | 21           | 29.4       | 15           | 17.3       | 10           | 6.4        | 12           | 5.6        | 14           | 8.3        | 14           | 8.4        |
| 200  | 40806       | 2144         | -54        | .          | 13           | 8.4        | 23           | 22.3       | 27           | 38.9       | 17           | 10.1       | 11           | 4.4        | 16           | 2.1        | 17           | 6.6        | 16           | 6.6        |
| 150  | 46695       | 2048         | -67        | .          | 13           | 5.8        | 28           | 25.1       | 36           | 48.8       | 21           | 4.9        | 11           | 2.3        | 13           | 2.3        | 18           | 6.6        | 16           | 3.8        |
| 100  | 54524       | 1441         | -74        | .          | 11           | 8.4        | 16           | 24.1       | 22           | 39.9       | 15           | 7.3        | 10           | 3.8        | 8            | 3.8        | 15           | 6.3        | 14           | 5.8        |
| 70   | 61339       | 835          | -72        | .          | 11           | 9.3        | 16           | 11.9       | 23           | 24.1       | 14           | 5.8        | 9            | 3.8        | 13           | 8.9        | 17           | 24.4       | 14           | 11.1       |
| 50   | 67919       | 412          | -63        | .          | 12           | 5.8        | 24           | 12.8       | 33           | 30.6       | 15           | 2.8        | 7            | 2.1        | 13           | 4.9        | 23           | 30.4       | 16           | 9.9        |
| 30   | 78393       | 149          | -55        | .          | 11           | 0.9        | 32           | 20.4       | 37           | 52.4       | 14           | 4.8        | 7            | 1.6        | 11           | 1.9        | 33           | 14.4       | 13           | 2.9        |
| 20   | 87125       | 244          | -49        | .          | 9            | 1.6        | 10           | 5.1        | 21           | 24.1       | 18           | 1.1        | 13           | 0.2        | 6            | 0.9        | 23           | 14.1       | 9            | 2.2        |
| 10   | 102176      | 291          | -39        | .          | 18           | 3.3        | 21           | 10.3       | 43           | 48.3       | 36           | 2.3        | 25           | 0.6        | 12           | 1.9        | 47           | 28.3       | 17           | 4.6        |

JUN Latitude= 0.00 Longitude= 40.00

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N            |            | NE           |            | E            |            | SE           |            | S            |            | SW           |            | W            |            | NW           |            |
|------|-------------|--------------|------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
|      |             |              |            |            | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) |
| SFC  | .           | .            | 28         | 18         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 10           | 5.3        | 10           | 93.6       | 7            | 1.0        | 0            | 0.0        | 0            | 0.0        |
| 1000 | 378         | 14           | 26         | 19         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 12           | 25.1       | 12           | 73.1       | 10           | 1.6        | 0            | 0.0        | 0            | 0.0        |
| 850  | 5003        | 223          | 17         | 11         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 19           | 11.6       | 21           | 86.8       | 16           | 1.4        | 0            | 0.0        | 0            | 0.0        |
| 700  | 10364       | 482          | 9          | 0          | 4            | 1.4        | 3            | 1.1        | 6            | 3.1        | 11           | 17.4       | 11           | 35.4       | 10           | 26.1       | 9            | 10.4       | 6            | 3.9        |
| 500  | 19269       | 980          | -6         | -17        | 7            | 7.8        | 8            | 8.9        | 8            | 12.6       | 10           | 16.3       | 8            | 12.9       | 8            | 11.9       | 8            | 16.9       | 9            | 11.3       |
| 400  | 24899       | 1325         | -16        | -29        | 6            | 6.9        | 8            | 7.6        | 12           | 18.1       | 11           | 19.3       | 8            | 12.5       | 8            | 12.1       | 9            | 14.9       | 9            | 7.3        |
| 300  | 31814       | 1749         | -32        | -44        | 10           | 8.4        | 11           | 12.8       | 14           | 25.6       | 12           | 18.6       | 10           | 9.9        | 9            | 7.3        | 11           | 8.4        | 11           | 7.4        |
| 250  | 35956       | 1957         | -41        | .          | 14           | 6.8        | 13           | 15.4       | 18           | 29.1       | 14           | 17.4       | 12           | 9.1        | 10           | 6.8        | 12           | 7.3        | 12           | 6.9        |
| 200  | 40807       | 2145         | -54        | .          | 14           | 7.9        | 18           | 15.3       | 25           | 36.6       | 17           | 15.9       | 14           | 5.8        | 13           | 5.3        | 15           | 8.1        | 17           | 4.6        |
| 150  | 46701       | 2054         | -67        | .          | 14           | 6.3        | 18           | 16.4       | 34           | 53.6       | 19           | 9.3        | 15           | 2.4        | 13           | 1.6        | 17           | 5.1        | 17           | 4.8        |
| 100  | 54526       | 1443         | -74        | .          | 12           | 5.1        | 14           | 16.4       | 21           | 50.0       | 16           | 8.3        | 11           | 4.1        | 13           | 3.6        | 16           | 5.8        | 16           | 5.9        |
| 70   | 61340       | 836          | -72        | .          | 8            | 5.6        | 14           | 10.6       | 24           | 30.1       | 14           | 6.3        | 8            | 3.1        | 11           | 7.4        | 15           | 24.6       | 13           | 11.6       |
| 50   | 67920       | 413          | -63        | .          | 10           | 3.9        | 14           | 9.6        | 32           | 38.1       | 12           | 3.9        | 6            | 1.9        | 13           | 3.3        | 24           | 26.8       | 15           | 11.4       |
| 30   | 78402       | 158          | -55        | .          | 11           | 2.8        | 24           | 12.8       | 38           | 58.8       | 18           | 4.9        | 4            | 1.3        | 9            | 0.9        | 27           | 12.1       | 20           | 5.9        |
| 20   | 87135       | 254          | -49        | .          | 9            | 1.6        | 10           | 3.1        | 23           | 26.7       | 13           | 1.9        | 5            | 1.1        | 4            | 1.1        | 21           | 9.4        | 17           | 4.2        |
| 10   | 102186      | 301          | -39        | .          | 17           | 3.3        | 20           | 6.3        | 46           | 53.6       | 25           | 3.9        | 11           | 2.3        | 9            | 2.3        | 43           | 18.9       | 33           | 8.6        |

JUN Latitude= 0.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 28  | 20  | 0     | 0.0 | 0     | 0.0  | 10    | 86.9 | 0     | 0.0  |
| 1000 | 376    | 12   | 26  | 22  | 0     | 0.0 | 0     | 0.0  | 15    | 82.8 | 0     | 0.0  |
| 850  | 4999   | 219  | 17  | 11  | 0     | 0.0 | 0     | 0.0  | 21    | 84.6 | 0     | 0.0  |
| 700  | 10358  | 476  | 9   | -2  | 0     | 0.0 | 7     | 0.4  | 12    | 11.3 | 15    | 8.3  |
| 500  | 19267  | 978  | -5  | -17 | 8     | 5.4 | 9     | 7.4  | 11    | 14.6 | 10    | 20.9 |
| 400  | 24900  | 1326 | -16 | -28 | 7     | 5.4 | 13    | 14.8 | 9     | 14.8 | 10    | 13.9 |
| 300  | 31816  | 1751 | -32 | -43 | 9     | 7.9 | 14    | 25.1 | 10    | 11.8 | 11    | 8.6  |
| 250  | 35956  | 1957 | -41 |     | 11    | 7.8 | 18    | 30.8 | 11    | 7.4  | 11    | 6.4  |
| 200  | 40804  | 2142 | -54 |     | 14    | 7.6 | 26    | 42.8 | 12    | 5.1  | 14    | 6.8  |
| 150  | 46696  | 2049 | -67 |     | 12    | 5.3 | 36    | 56.3 | 13    | 2.9  | 16    | 4.1  |
| 100  | 54526  | 1443 | -74 |     | 10    | 6.1 | 23    | 48.4 | 8     | 3.4  | 14    | 5.8  |
| 70   | 61340  | 836  | -72 |     | 10    | 5.8 | 25    | 27.9 | 12    | 1.6  | 16    | 19.6 |
| 50   | 67919  | 412  | -63 |     | 11    | 5.6 | 33    | 35.6 | 7     | 1.6  | 24    | 26.8 |
| 30   | 78392  | 148  | -55 |     | 12    | 2.1 | 38    | 55.1 | 7     | 1.1  | 28    | 9.9  |
| 20   | 87124  | 243  | -49 |     | 6     | 1.7 | 23    | 27.1 | 3     | 1.4  | 23    | 9.4  |
| 10   | 102175 | 290  | -39 |     | 13    | 3.6 | 45    | 54.3 | 7     | 2.9  | 47    | 18.9 |

JUN Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 26  | 24  | 0     | 0.0 | 0     | 0.0  | 13    | 41.2 | 8     | 0.3  |
| 1000 | 373    | 9    | 25  | 23  | 0     | 0.0 | 0     | 0.0  | 14    | 57.6 | 9     | 0.1  |
| 850  | 4989   | 209  | 17  | 10  | 0     | 0.0 | 0     | 0.0  | 20    | 73.6 | 0     | 0.0  |
| 700  | 10350  | 468  | 10  | -3  | 0     | 0.0 | 11    | 1.9  | 13    | 34.4 | 18    | 7.8  |
| 500  | 19265  | 976  | -5  | -17 | 7     | 4.8 | 9     | 5.1  | 10    | 12.3 | 12    | 25.3 |
| 400  | 24900  | 1326 | -16 | -28 | 8     | 6.4 | 14    | 12.5 | 10    | 14.8 | 11    | 17.3 |
| 300  | 31817  | 1752 | -32 | -43 | 9     | 6.8 | 15    | 22.1 | 10    | 10.8 | 11    | 9.4  |
| 250  | 35957  | 1958 | -41 |     | 10    | 8.6 | 19    | 32.1 | 11    | 6.4  | 11    | 7.6  |
| 200  | 40805  | 2143 | -54 |     | 12    | 7.8 | 28    | 46.1 | 11    | 4.4  | 14    | 3.9  |
| 150  | 46696  | 2049 | -67 |     | 12    | 3.8 | 38    | 59.6 | 17    | 1.8  | 13    | 3.6  |
| 100  | 54526  | 1443 | -74 |     | 11    | 5.9 | 24    | 50.1 | 8     | 3.1  | 14    | 4.4  |
| 70   | 61341  | 837  | -72 |     | 11    | 6.1 | 24    | 29.8 | 8     | 1.9  | 15    | 20.4 |
| 50   | 67921  | 414  | -63 |     | 11    | 5.8 | 33    | 34.4 | 8     | 1.3  | 24    | 28.4 |
| 30   | 78394  | 150  | -55 |     | 11    | 2.1 | 38    | 55.4 | 7     | 1.4  | 33    | 9.8  |
| 20   | 87126  | 245  | -49 |     | 6     | 1.7 | 23    | 26.7 | 4     | 0.9  | 24    | 10.9 |
| 10   | 102174 | 289  | -39 |     | 12    | 3.6 | 46    | 53.6 | 8     | 1.9  | 47    | 21.9 |

JUN Latitude= 2.50 Longitude= 40.00

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N            |            | NE           |            | E            |            | SE           |            | S            |            | SW           |            | W            |            | NW           |            |
|------|-------------|--------------|------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
|      |             |              |            |            | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) |
| SFC  | .           | .            | 26         | 16         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 7            | 4.6        | 9            | 95.3       | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        |
| 1000 | 393         | 29           | 26         | 20         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 10           | 18.4       | 11           | 78.3       | 9            | 3.1        | 0            | 0.0        | 0            | 0.0        |
| 850  | 4999        | 219          | 17         | 13         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 19           | 10.1       | 18           | 87.9       | 15           | 1.8        | 0            | 0.0        | 0            | 0.0        |
| 700  | 10362       | 480          | 9          | 2          | 6            | 3.8        | 6            | 4.1        | 7            | 5.8        | 10           | 13.3       | 10           | 24.1       | 10           | 23.4       | 10           | 17.9       | 7            | 6.8        |
| 500  | 19272       | 983          | -6         | -16        | 7            | 12.9       | 9            | 19.1       | 10           | 18.4       | 8            | 11.4       | 7            | 7.8        | 6            | 7.8        | 8            | 10.4       | 9            | 10.3       |
| 400  | 24897       | 1323         | -16        | -28        | 8            | 8.9        | 9            | 11.8       | 12           | 21.6       | 11           | 16.9       | 7            | 10.3       | 8            | 8.1        | 9            | 11.8       | 9            | 9.1        |
| 300  | 31809       | 1744         | -31        | -44        | 10           | 7.9        | 13           | 14.6       | 15           | 28.4       | 13           | 17.9       | 10           | 8.4        | 8            | 7.9        | 9            | 6.3        | 10           | 7.4        |
| 250  | 35956       | 1957         | -42        | .          | 11           | 9.9        | 16           | 16.3       | 18           | 34.3       | 16           | 17.8       | 12           | 5.9        | 11           | 5.9        | 9            | 3.9        | 9            | 4.9        |
| 200  | 40809       | 2147         | -54        | .          | 14           | 6.3        | 19           | 15.9       | 26           | 44.1       | 20           | 16.3       | 14           | 5.3        | 11           | 3.3        | 11           | 2.6        | 12           | 5.4        |
| 150  | 46705       | 2058         | -67        | .          | 13           | 6.4        | 20           | 12.5       | 36           | 60.8       | 24           | 10.6       | 12           | 2.1        | 9            | 1.1        | 10           | 2.9        | 10           | 2.9        |
| 100  | 54527       | 1444         | -74        | .          | 10           | 2.4        | 15           | 15.6       | 26           | 57.9       | 18           | 9.6        | 12           | 4.3        | 12           | 3.3        | 16           | 4.3        | 18           | 2.3        |
| 70   | 61340       | 836          | -72        | .          | 7            | 5.9        | 15           | 13.6       | 26           | 40.6       | 14           | 7.9        | 9            | 4.6        | 13           | 6.1        | 12           | 13.1       | 10           | 7.4        |
| 50   | 67921       | 414          | -63        | .          | 11           | 4.1        | 17           | 9.9        | 34           | 45.4       | 16           | 5.3        | 9            | 1.6        | 13           | 4.1        | 18           | 16.9       | 14           | 11.9       |
| 30   | 78406       | 162          | -55        | .          | 13           | 2.8        | 26           | 12.3       | 39           | 60.6       | 17           | 8.4        | 8            | 1.9        | 9            | 0.8        | 19           | 4.6        | 21           | 7.9        |
| 20   | 87142       | 261          | -49        | .          | 13           | 1.2        | 9            | 3.7        | 23           | 28.1       | 8            | 2.2        | 2            | 0.6        | 4            | 0.7        | 15           | 4.6        | 15           | 8.1        |
| 10   | 102189      | 304          | -39        | .          | 25           | 2.6        | 18           | 7.6        | 46           | 56.3       | 16           | 4.6        | 4            | 1.3        | 9            | 1.6        | 31           | 9.3        | 31           | 16.3       |

JUN Latitude= 2.50 Longitude= 42.50

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N            |            | NE           |            | E            |            | SE           |            | S            |            | SW           |            | W            |            | NW           |            |
|------|-------------|--------------|------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
|      |             |              |            |            | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) | SPD<br>(kts) | FRQ<br>(%) |
| SFC  | .           | .            | 27         | 18         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 10           | 69.7       | 10           | 30.2       | 0            | 0.0        | 0            | 0.0        |
| 1000 | 371         | 7            | 27         | 21         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 12           | 0.8        | 13           | 64.4       | 14           | 34.6       | 0            | 0.0        | 0            | 0.0        |
| 850  | 4993        | 213          | 17         | 13         | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 0            | 0.0        | 22           | 54.1       | 21           | 45.8       | 0            | 0.0        | 0            | 0.0        |
| 700  | 10359       | 477          | 9          | 1          | 4            | 0.6        | 3            | 0.6        | 6            | 0.6        | 10           | 6.4        | 12           | 21.6       | 14           | 48.4       | 14           | 18.1       | 8            | 2.4        |
| 500  | 19266       | 977          | -6         | -16        | 8            | 11.3       | 10           | 11.4       | 10           | 11.9       | 9            | 6.8        | 8            | 10.6       | 8            | 16.8       | 9            | 17.4       | 9            | 12.6       |
| 400  | 24897       | 1323         | -16        | -28        | 8            | 8.4        | 9            | 10.4       | 13           | 16.1       | 11           | 14.6       | 9            | 12.5       | 8            | 9.4        | 10           | 16.9       | 8            | 10.6       |
| 300  | 31811       | 1746         | -31        | -43        | 11           | 7.8        | 11           | 12.3       | 15           | 26.8       | 12           | 18.8       | 10           | 10.1       | 9            | 7.8        | 8            | 6.9        | 10           | 8.9        |
| 250  | 35955       | 1956         | -41        | .          | 10           | 8.4        | 15           | 13.9       | 19           | 34.4       | 16           | 19.8       | 13           | 5.4        | 12           | 6.4        | 9            | 3.8        | 10           | 6.8        |
| 200  | 40807       | 2145         | -54        | .          | 14           | 7.1        | 18           | 14.9       | 27           | 47.9       | 21           | 14.3       | 13           | 4.8        | 11           | 3.9        | 8            | 2.8        | 13           | 3.8        |
| 150  | 46702       | 2055         | -67        | .          | 15           | 4.6        | 19           | 13.4       | 39           | 60.6       | 23           | 11.6       | 13           | 2.1        | 14           | 1.9        | 12           | 2.3        | 10           | 2.6        |
| 100  | 54528       | 1445         | -74        | .          | 10           | 2.6        | 18           | 15.1       | 27           | 59.9       | 17           | 8.1        | 10           | 2.1        | 13           | 3.3        | 13           | 4.4        | 14           | 3.9        |
| 70   | 61342       | 838          | -72        | .          | 9            | 6.3        | 15           | 16.6       | 26           | 40.1       | 15           | 7.8        | 8            | 4.1        | 14           | 4.9        | 11           | 10.4       | 11           | 9.1        |
| 50   | 67922       | 415          | -63        | .          | 12           | 5.4        | 20           | 11.3       | 34           | 45.8       | 15           | 4.6        | 7            | 2.1        | 12           | 2.9        | 19           | 16.8       | 14           | 10.3       |
| 30   | 78402       | 158          | -55        | .          | 16           | 2.4        | 29           | 15.3       | 39           | 59.9       | 16           | 8.1        | 9            | 2.0        | 7            | 1.1        | 23           | 4.1        | 23           | 6.3        |
| 20   | 87135       | 254          | -49        | .          | 11           | 1.4        | 9            | 3.4        | 23           | 28.6       | 8            | 2.1        | 2            | 0.4        | 3            | 1.4        | 17           | 4.4        | 15           | 7.4        |
| 10   | 102186      | 301          | -39        | .          | 23           | 2.9        | 18           | 6.9        | 46           | 57.3       | 16           | 4.3        | 5            | 0.9        | 7            | 2.9        | 34           | 8.9        | 31           | 14.9       |

JUN Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W     | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|-------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ   | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (kts) | (kts) |
| SFC  | .      | .    | 27  | 20  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 14    | 23.4  | 0     |
| 1000 | 353    | -11  | 26  | 21  | 0     | 0.0  | 0     | 0.0  | 8     | 0.3  | 15    | 40.9  | 0     |
| 850  | 4981   | 201  | 17  | 11  | 0     | 0.0  | 0     | 0.0  | 12    | 0.6  | 22    | 35.4  | 0     |
| 700  | 10350  | 468  | 10  | -0  | 2     | 0.1  | 4     | 0.3  | 7     | 3.3  | 11    | 14.6  | 0     |
| 500  | 19263  | 974  | -5  | -16 | 8     | 10.8 | 11    | 7.6  | 9     | 7.3  | 10    | 8.4   | 17    |
| 400  | 24897  | 1323 | -16 | -28 | 9     | 10.3 | 11    | 7.9  | 12    | 10.8 | 11    | 20.4  | 24.1  |
| 300  | 31812  | 1747 | -31 | -43 | 9     | 7.9  | 11    | 10.9 | 12    | 17.1 | 10    | 13.8  | 20.3  |
| 250  | 35955  | 1956 | -41 | .   | 10    | 8.9  | 13    | 13.1 | 17    | 19.9 | 11    | 6.1   | 9     |
| 200  | 40805  | 2143 | -54 | .   | 11    | 6.1  | 17    | 14.1 | 22    | 12.8 | 13    | 3.3   | 7.1   |
| 150  | 46699  | 2052 | -67 | .   | 15    | 3.8  | 20    | 12.9 | 24    | 8.8  | 14    | 1.6   | 10    |
| 100  | 54526  | 1443 | -74 | .   | 12    | 3.1  | 17    | 15.1 | 18    | 5.8  | 15    | 3.1   | 9     |
| 70   | 61340  | 836  | -72 | .   | 10    | 6.1  | 16    | 15.8 | 14    | 8.4  | 11    | 6.8   | 11    |
| 50   | 67920  | 413  | -63 | .   | 10    | 4.6  | 21    | 14.1 | 13    | 4.6  | 13    | 2.8   | 20    |
| 30   | 78399  | 155  | -55 | .   | 12    | 1.9  | 28    | 18.3 | 14    | 6.1  | 7     | 0.9   | 14    |
| 20   | 87131  | 250  | -49 | .   | 6     | 1.1  | 11    | 3.4  | 7     | 2.2  | 4     | 1.4   | 16    |
| 10   | 102183 | 298  | -39 | .   | 12    | 2.3  | 22    | 6.9  | 14    | 4.6  | 9     | 2.9   | 31    |

JUN Latitude= 5.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W     | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|-------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ   | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (kts) | (kts) |
| SFC  | .      | .    | 21  | 14  | 0     | 0.0  | 0     | 0.0  | 5     | 1.0  | 8     | 54.3  | 0     |
| 1000 | 417    | 53   | 27  | 22  | 0     | 0.0  | 0     | 0.0  | 8     | 10.9 | 10    | 57.1  | 0     |
| 850  | 4979   | 199  | 19  | 15  | 0     | 0.0  | 0     | 0.0  | 11    | 5.6  | 12    | 62.6  | 0     |
| 700  | 10360  | 478  | 9   | 4   | 6     | 5.1  | 6     | 5.1  | 8     | 7.4  | 9     | 11.1  | 0     |
| 500  | 19272  | 983  | -6  | -16 | 9     | 15.1 | 12    | 37.1 | 6     | 5.6  | 6     | 1.6   | 10    |
| 400  | 24907  | 1333 | -16 | -28 | 7     | 8.9  | 10    | 16.4 | 11    | 15.1 | 7     | 8.1   | 8     |
| 300  | 31805  | 1740 | -31 | -44 | 10    | 8.4  | 13    | 16.6 | 14    | 17.9 | 10    | 6.9   | 10    |
| 250  | 35967  | 1968 | -42 | .   | 12    | 6.8  | 17    | 20.4 | 18    | 16.6 | 8     | 3.1   | 8     |
| 200  | 40825  | 2163 | -54 | .   | 15    | 5.9  | 20    | 18.6 | 20    | 14.3 | 13    | 0.6   | 6     |
| 150  | 46720  | 2073 | -67 | .   | 11    | 4.4  | 22    | 14.1 | 25    | 12.5 | 9     | 0.3   | 9     |
| 100  | 54528  | 1445 | -75 | .   | 7     | 1.3  | 18    | 14.9 | 21    | 11.8 | 10    | 1.6   | 14    |
| 70   | 61334  | 830  | -72 | .   | 8     | 2.9  | 15    | 14.6 | 17    | 10.3 | 11    | 2.6   | 11    |
| 50   | 67926  | 419  | -63 | .   | 9     | 7.4  | 17    | 12.3 | 19    | 7.9  | 11    | 2.4   | 14    |
| 30   | 78417  | 173  | -54 | .   | 14    | 3.9  | 26    | 9.3  | 22    | 9.1  | 8     | 0.4   | 5     |
| 20   | 87156  | 275  | -49 | .   | 9     | 2.1  | 9     | 3.7  | 8     | 1.6  | 3     | 0.6   | 6     |
| 10   | 102203 | 318  | -39 | .   | 17    | 4.3  | 18    | 7.6  | 15    | 3.3  | 9     | 0.3   | 13    |

JUN Latitude= 5.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  |        |      | 28  | 16  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 11    | 46.3 | 0     |
| 1000 | 343    | -21  | 28  | 20  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 14    | 50.4 | 0     |
| 850  | 4970   | 190  | 19  | 13  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 23    | 79.8 | 0     |
| 700  | 10356  | 474  | 10  | 3   | 7     | 3.8  | 5     | 2.3  | 7     | 1.4  | 12    | 28.4 | 12    |
| 500  | 19271  | 982  | -6  | -17 | 9     | 13.9 | 10    | 28.4 | 7     | 7.1  | 7     | 8.9  | 8     |
| 400  | 24899  | 1325 | -16 | -30 | 8     | 10.4 | 10    | 19.9 | 11    | 13.6 | 8     | 6.3  | 10    |
| 300  | 31812  | 1747 | -31 | -45 | 10    | 8.6  | 13    | 17.8 | 14    | 16.3 | 8     | 3.3  | 7     |
| 250  | 35961  | 1962 | -41 | .   | 12    | 6.1  | 16    | 18.1 | 18    | 18.9 | 10    | 1.8  | 10    |
| 200  | 40817  | 2155 | -54 | .   | 16    | 5.1  | 19    | 13.8 | 22    | 15.1 | 12    | 0.9  | 11    |
| 150  | 46717  | 2070 | -67 | .   | 18    | 2.6  | 20    | 13.6 | 27    | 11.4 | 11    | 0.6  | 12    |
| 100  | 54535  | 1452 | -75 | .   | 9     | 1.9  | 21    | 11.6 | 32    | 10.4 | 10    | 1.8  | 13    |
| 70   | 61347  | 843  | -72 | .   | 9     | 4.3  | 17    | 16.4 | 28    | 61.1 | 7     | 1.3  | 17    |
| 50   | 67929  | 422  | -64 | .   | 10    | 6.3  | 17    | 14.3 | 34    | 60.8 | 9     | 2.3  | 12    |
| 30   | 78416  | 172  | -55 | .   | 14    | 4.4  | 28    | 11.9 | 40    | 69.9 | 4     | 0.4  | 8     |
| 20   | 87152  | 271  | -49 | .   | 9     | 3.4  | 8     | 4.2  | 21    | 31.7 | 3     | 0.2  | 6     |
| 10   | 102205 | 320  | -39 | .   | 18    | 6.9  | 17    | 8.6  | 42    | 63.6 | 7     | 0.6  | 13    |

JUN Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  |        |      | 28  | 17  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 14    | 86.9 | 0     |
| 1000 | 331    | -33  | 28  | 20  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 17    | 78.9 | 0     |
| 850  | 4964   | 184  | 18  | 13  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 25    | 92.9 | 0     |
| 700  | 10351  | 469  | 10  | 2   | 5     | 0.4  | 2     | 0.3  | 5     | 0.1  | 15    | 33.9 | 15    |
| 500  | 19266  | 977  | -5  | -16 | 9     | 18.8 | 12    | 19.3 | 7     | 4.6  | 9     | 11.8 | 9     |
| 400  | 24898  | 1324 | -16 | -29 | 9     | 11.6 | 11    | 16.4 | 11    | 9.9  | 10    | 9.4  | 11    |
| 300  | 31812  | 1747 | -31 | -44 | 9     | 9.4  | 13    | 17.3 | 14    | 15.6 | 9     | 3.9  | 10    |
| 250  | 35959  | 1960 | -41 | .   | 12    | 5.1  | 15    | 18.3 | 18    | 17.4 | 9     | 2.3  | 11    |
| 200  | 40815  | 2153 | -54 | .   | 14    | 3.6  | 19    | 13.6 | 23    | 11.1 | 7     | 2.8  | 9     |
| 150  | 46715  | 2068 | -67 | .   | 16    | 2.6  | 21    | 11.1 | 26    | 9.8  | 16    | 1.8  | 11    |
| 100  | 54533  | 1450 | -75 | .   | 11    | 1.6  | 21    | 11.4 | 34    | 73.1 | 13    | 1.4  | 11    |
| 70   | 61346  | 842  | -72 | .   | 10    | 3.4  | 17    | 18.1 | 15    | 7.8  | 8     | 1.3  | 11    |
| 50   | 67929  | 422  | -63 | .   | 10    | 4.1  | 19    | 17.3 | 35    | 60.3 | 13    | 1.4  | 10    |
| 30   | 78418  | 174  | -55 | .   | 16    | 2.8  | 27    | 16.3 | 40    | 71.3 | 4     | 0.3  | 6     |
| 20   | 87154  | 273  | -49 | .   | 9     | 3.2  | 8     | 4.1  | 21    | 32.1 | 4     | 0.7  | 6     |
| 10   | 102213 | 328  | -39 | .   | 18    | 6.6  | 16    | 8.3  | 43    | 64.3 | 9     | 1.6  | 12    |

JUL Latitude=-2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  |        |      | 26  | 18  | 0     | 0.0  | 0     | 0.0  | 12    | 21.9 | 8     | 3.2  | 0     |
| 1000 | 418    | 54   | 25  | 20  | 0     | 0.0  | 0     | 0.0  | 13    | 12.6 | 10    | 1.9  | 0     |
| 850  | 5018   | 238  | 15  | 9   | 0     | 0.0  | 0     | 0.0  | 17    | 15.9 | 27    | 0.1  | 0     |
| 700  | 10351  | 469  | 8   | -2  | 2     | 0.1  | 4     | 0.6  | 13    | 23.9 | 12    | 29.8 | 8     |
| 500  | 19237  | 948  | -6  | -19 | 7     | 7.4  | 8     | 5.6  | 10    | 15.8 | 9     | 15.9 | 10    |
| 400  | 24856  | 1282 | -17 | -31 | 8     | 6.6  | 7     | 7.2  | 14    | 21.6 | 10    | 12.1 | 10    |
| 300  | 31747  | 1682 | -33 | -46 | 10    | 9.7  | 12    | 14.4 | 12    | 15.3 | 10    | 9.0  | 10    |
| 250  | 35871  | 1872 | -42 |     | 13    | 10.1 | 16    | 17.9 | 14    | 13.4 | 11    | 6.6  | 12    |
| 200  | 40702  | 2040 | -55 |     | 14    | 8.5  | 20    | 19.2 | 15    | 15.2 | 12    | 3.7  | 14    |
| 150  | 46581  | 1934 | -67 |     | 15    | 7.6  | 23    | 19.9 | 15    | 8.5  | 11    | 3.0  | 13    |
| 100  | 54417  | 1334 | -73 |     | 11    | 5.3  | 15    | 18.1 | 13    | 10.6 | 12    | 4.3  | 18    |
| 70   | 61305  | 801  | -69 |     | 11    | 2.5  | 14    | 6.1  | 12    | 3.3  | 9     | 4.2  | 16    |
| 50   | 67951  | 444  | -62 |     | 10    | 3.1  | 17    | 12.4 | 15    | 4.3  | 10    | 2.6  | 22    |
| 30   | 78500  | 256  | -55 |     | 10    | 2.0  | 19    | 6.5  | 16    | 4.6  | 26    | 7.7  | 22    |
| 20   | 87225  | 344  | -49 |     | 4     | 0.6  | 10    | 3.2  | 7     | 3.7  | 18    | 8.1  | 13    |
| 10   | 102229 | 344  | -40 |     | 9     | 1.3  | 19    | 6.5  | 14    | 7.6  | 36    | 16.3 | 25    |

JUL Latitude=-2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  |        |      | 26  | 23  | 0     | 0.0  | 0     | 0.0  | 12    | 1.9  | 15    | 11.6 | 0     |
| 1000 | 407    | 43   | 24  | 22  | 0     | 0.0  | 0     | 0.0  | 13    | 5.6  | 17    | 8.0  | 0     |
| 850  | 5007   | 227  | 16  | 8   | 0     | 0.0  | 0     | 0.0  | 21    | 27.7 | 17    | 0.3  | 0     |
| 700  | 10345  | 463  | 9   | -4  | 0     | 0.0  | 0     | 0.0  | 14    | 26.4 | 14    | 27.3 | 15    |
| 500  | 19236  | 947  | -6  | -18 | 7     | 4.8  | 9     | 6.3  | 11    | 12.9 | 10    | 18.4 | 12    |
| 400  | 24858  | 1284 | -17 | -29 | 9     | 6.1  | 8     | 6.7  | 13    | 17.6 | 10    | 12.2 | 11    |
| 300  | 31751  | 1686 | -33 | -44 | 10    | 9.2  | 11    | 13.5 | 13    | 15.8 | 9     | 7.6  | 11    |
| 250  | 35872  | 1873 | -42 |     | 13    | 10.5 | 15    | 20.3 | 15    | 13.2 | 11    | 5.6  | 12    |
| 200  | 40704  | 2042 | -55 |     | 15    | 9.2  | 21    | 29.4 | 17    | 12.4 | 14    | 2.2  | 13    |
| 150  | 46581  | 1934 | -67 |     | 15    | 6.6  | 25    | 23.4 | 14    | 7.2  | 8     | 2.5  | 10    |
| 100  | 54418  | 1335 | -73 |     | 12    | 8.5  | 15    | 18.9 | 14    | 7.7  | 14    | 4.2  | 13    |
| 70   | 61307  | 803  | -69 |     | 11    | 5.0  | 14    | 6.7  | 11    | 3.0  | 10    | 3.2  | 17    |
| 50   | 67959  | 452  | -62 |     | 13    | 5.7  | 20    | 15.4 | 13    | 2.3  | 18    | 9.2  | 22    |
| 30   | 78504  | 260  | -55 |     | 13    | 2.8  | 29    | 11.2 | 16    | 5.0  | 26    | 6.3  | 24    |
| 20   | 87228  | 347  | -49 |     | 6     | 1.1  | 9     | 2.9  | 6     | 3.4  | 18    | 6.2  | 17    |
| 10   | 102227 | 342  | -40 |     | 12    | 2.4  | 18    | 5.9  | 12    | 6.9  | 36    | 12.5 | 33    |

JUL Latitude=-2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 22  | 0     | 0.0  | 0     | 0.0  | 14    | 87.7 | 0     | 0.0  |
| 1000 | 393    | 29   | 24  | 22  | 0     | 0.0  | 0     | 0.0  | 16    | 78.0 | 0     | 0.0  |
| 850  | 4995   | 215  | 16  | 8   | 0     | 0.0  | 24    | 0.1  | 21    | 59.2 | 0     | 0.0  |
| 700  | 10336  | 454  | 9   | -5  | 0     | 0.0  | 14    | 4.0  | 14    | 43.6 | 15    | 0.8  |
| 500  | 19233  | 944  | -6  | -18 | 7     | 5.1  | 11    | 12.6 | 11    | 17.6 | 12    | 16.8 |
| 400  | 24856  | 1282 | -17 | -29 | 9     | 6.1  | 14    | 20.6 | 12    | 11.6 | 11    | 15.5 |
| 300  | 31750  | 1685 | -33 | -44 | 10    | 9.5  | 17    | 25.4 | 10    | 9.5  | 9     | 10.8 |
| 250  | 35872  | 1873 | -42 | .   | 13    | 10.9 | 22    | 28.7 | 13    | 5.6  | 13    | 8.0  |
| 200  | 40704  | 2042 | -55 | .   | 14    | 7.6  | 23    | 24.9 | 10    | 3.0  | 14    | 4.6  |
| 150  | 46579  | 1932 | -67 | .   | 13    | 7.6  | 27    | 27.1 | 17    | 1.7  | 13    | 2.7  |
| 100  | 54417  | 1334 | -73 | .   | 14    | 11.0 | 21    | 34.9 | 11    | 4.2  | 13    | 8.2  |
| 70   | 61308  | 804  | -69 | .   | 14    | 7.1  | 25    | 23.7 | 11    | 3.3  | 16    | 17.4 |
| 50   | 67961  | 454  | -62 | .   | 12    | 6.0  | 29    | 32.3 | 9     | 3.0  | 17    | 25.7 |
| 30   | 78507  | 263  | -55 | .   | 14    | 2.6  | 36    | 52.8 | 9     | 1.8  | 22    | 25.1 |
| 20   | 87232  | 351  | -49 | .   | 4     | 1.3  | 23    | 23.2 | 4     | 0.6  | 27    | 12.7 |
| 10   | 102220 | 335  | -40 | .   | 8     | 2.7  | 47    | 46.5 | 9     | 1.3  | 20    | 9.0  |
|      |        |      |     |     |       |      |       |      |       |      | 41    | 18.0 |
|      |        |      |     |     |       |      |       |      |       |      | 25    | 6.2  |

JUL Latitude= 0.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 17  | 0     | 0.0 | 0     | 0.0  | 10    | 89.9 | 0     | 0.0  |
| 1000 | 389    | 25   | 26  | 19  | 0     | 0.0 | 0     | 0.0  | 13    | 72.6 | 0     | 0.0  |
| 850  | 5006   | 226  | 16  | 10  | 0     | 0.0 | 0     | 0.0  | 22    | 89.1 | 0     | 0.0  |
| 700  | 10350  | 468  | 8   | -0  | 3     | 0.4 | 10    | 1.6  | 10    | 29.4 | 11    | 1.2  |
| 500  | 19237  | 948  | -6  | -18 | 8     | 8.5 | 10    | 16.9 | 8     | 14.0 | 8     | 8.7  |
| 400  | 24853  | 1279 | -17 | -30 | 9     | 9.0 | 12    | 22.1 | 9     | 8.0  | 9     | 9.2  |
| 300  | 31747  | 1682 | -32 | -45 | 11    | 7.6 | 15    | 27.9 | 10    | 7.1  | 10    | 9.2  |
| 250  | 35872  | 1873 | -42 | .   | 13    | 6.7 | 20    | 32.4 | 12    | 6.3  | 10    | 5.9  |
| 200  | 40705  | 2043 | -55 | .   | 11    | 3.5 | 25    | 46.1 | 12    | 4.5  | 11    | 5.1  |
| 150  | 46583  | 1936 | -67 | .   | 16    | 3.5 | 32    | 60.0 | 14    | 1.7  | 11    | 2.1  |
| 100  | 54420  | 1337 | -73 | .   | 9     | 5.8 | 22    | 45.9 | 9     | 2.7  | 7     | 0.9  |
| 70   | 61310  | 806  | -69 | .   | 8     | 4.6 | 27    | 30.4 | 7     | 5.3  | 15    | 3.0  |
| 50   | 67961  | 454  | -62 | .   | 9     | 3.1 | 28    | 43.1 | 8     | 4.6  | 16    | 7.1  |
| 30   | 78512  | 268  | -55 | .   | 7     | 1.1 | 36    | 63.0 | 10    | 6.7  | 16    | 14.8 |
| 20   | 87233  | 352  | -49 | .   | 6     | 2.5 | 23    | 27.9 | 10    | 2.6  | 21    | 19.7 |
| 10   | 102231 | 346  | -40 | .   | 12    | 5.2 | 46    | 55.9 | 21    | 0.6  | 12    | 2.8  |
|      |        |      |     |     |       |     |       |      |       |      | 8     | 1.8  |
|      |        |      |     |     |       |     |       |      |       |      | 24    | 9.3  |
|      |        |      |     |     |       |     |       |      |       |      | 16    | 3.8  |

JUL Latitude= 0.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N   | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 20  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 8     | 0.6  | 11    | 89.6 | 10    | 9.6  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 390    | 26   | 25  | 21  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 11    | 1.4  | 16    | 89.9 | 14    | 8.5  | 0     | 0.0  | 0     | 0.0  |
| 850  | 5001   | 221  | 16  | 9   | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 24    | 6.9  | 23    | 86.2 | 23    | 6.7  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10343  | 461  | 9   | -3  | 0     | 0.0 | 0     | 0.0  | 17    | 0.3  | 16    | 15.5 | 13    | 32.6 | 16    | 46.0 | 18    | 5.4  | 0     | 0.0  |
| 500  | 19235  | 946  | -6  | -17 | 8     | 6.1 | 10    | 11.3 | 11    | 13.0 | 11    | 13.4 | 10    | 14.8 | 10    | 14.2 | 12    | 17.1 | 9     | 8.7  |
| 400  | 24856  | 1282 | -17 | -28 | 9     | 7.1 | 9     | 9.5  | 12    | 20.3 | 12    | 18.5 | 10    | 10.6 | 9     | 10.0 | 10    | 11.3 | 10    | 11.7 |
| 300  | 31750  | 1685 | -33 | -44 | 11    | 8.7 | 13    | 15.6 | 15    | 27.6 | 12    | 17.9 | 11    | 7.1  | 9     | 6.7  | 10    | 7.7  | 12    | 7.9  |
| 250  | 35872  | 1873 | -42 | .   | 12    | 8.2 | 17    | 22.1 | 21    | 32.7 | 15    | 14.2 | 12    | 5.8  | 12    | 4.6  | 13    | 5.8  | 12    | 5.6  |
| 200  | 40703  | 2041 | -55 | .   | 14    | 5.5 | 21    | 19.4 | 26    | 50.8 | 19    | 10.8 | 12    | 3.5  | 11    | 3.0  | 12    | 2.5  | 16    | 4.2  |
| 150  | 46580  | 1933 | -67 | .   | 16    | 5.1 | 22    | 19.7 | 35    | 61.0 | 18    | 8.2  | 14    | 2.5  | 10    | 0.3  | 7     | 0.4  | 12    | 2.4  |
| 100  | 54418  | 1335 | -73 | .   | 11    | 6.9 | 17    | 19.0 | 23    | 46.2 | 14    | 9.8  | 9     | 2.1  | 12    | 3.7  | 16    | 5.6  | 16    | 6.3  |
| 70   | 61311  | 807  | -69 | .   | 11    | 6.7 | 13    | 7.9  | 27    | 30.0 | 11    | 6.3  | 8     | 3.3  | 14    | 9.0  | 16    | 21.5 | 14    | 14.4 |
| 50   | 67965  | 458  | -62 | .   | 14    | 4.1 | 19    | 13.4 | 29    | 41.6 | 11    | 4.3  | 10    | 3.0  | 16    | 6.7  | 22    | 21.1 | 17    | 5.5  |
| 30   | 78510  | 266  | -55 | .   | 14    | 1.3 | 27    | 11.4 | 37    | 59.2 | 17    | 5.5  | 8     | 2.3  | 18    | 5.3  | 23    | 11.9 | 17    | 2.6  |
| 20   | 87231  | 350  | -49 | .   | 10    | 1.8 | 8     | 3.4  | 24    | 26.5 | 7     | 3.0  | 0     | 0.0  | 13    | 3.9  | 19    | 7.4  | 11    | 3.2  |
| 10   | 102226 | 341  | -40 | .   | 20    | 3.8 | 16    | 6.9  | 47    | 53.1 | 14    | 6.2  | 0     | 0.0  | 26    | 7.9  | 38    | 14.9 | 22    | 6.5  |

JUL Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N   | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 25  | 23  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 14    | 50.3 | 15    | 49.6 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 385    | 21   | 24  | 22  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 13    | 1.7  | 16    | 66.5 | 17    | 31.6 | 0     | 0.0  | 0     | 0.0  |
| 850  | 4988   | 208  | 16  | 9   | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 22    | 12.6 | 22    | 73.3 | 22    | 14.0 | 0     | 0.0  | 0     | 0.0  |
| 700  | 10334  | 452  | 9   | -4  | 0     | 0.0 | 0     | 0.0  | 13    | 1.1  | 14    | 15.1 | 14    | 33.9 | 18    | 45.7 | 21    | 3.8  | 0     | 0.0  |
| 500  | 19233  | 944  | -6  | -17 | 7     | 5.9 | 10    | 10.6 | 11    | 10.8 | 10    | 11.4 | 11    | 14.5 | 13    | 17.4 | 13    | 20.5 | 10    | 7.7  |
| 400  | 24856  | 1282 | -17 | -28 | 10    | 7.7 | 9     | 8.7  | 13    | 16.6 | 11    | 16.4 | 10    | 11.9 | 10    | 11.7 | 10    | 14.3 | 9     | 11.9 |
| 300  | 31749  | 1684 | -32 | -43 | 10    | 8.5 | 12    | 16.0 | 17    | 26.6 | 12    | 15.8 | 10    | 9.7  | 9     | 6.1  | 11    | 8.5  | 12    | 7.7  |
| 250  | 35873  | 1874 | -42 | .   | 14    | 7.4 | 16    | 20.6 | 21    | 37.1 | 14    | 13.4 | 10    | 5.4  | 10    | 4.0  | 14    | 5.6  | 12    | 6.1  |
| 200  | 40704  | 2042 | -55 | .   | 15    | 5.5 | 21    | 22.1 | 29    | 49.1 | 17    | 11.0 | 13    | 2.2  | 13    | 2.2  | 13    | 3.2  | 11    | 4.3  |
| 150  | 46580  | 1933 | -67 | .   | 14    | 6.4 | 24    | 20.2 | 37    | 63.2 | 17    | 5.3  | 16    | 1.7  | 6     | 0.4  | 10    | 0.4  | 10    | 1.6  |
| 100  | 54419  | 1336 | -73 | .   | 12    | 7.1 | 17    | 17.7 | 24    | 49.8 | 16    | 8.4  | 12    | 2.2  | 13    | 2.9  | 20    | 5.5  | 14    | 5.9  |
| 70   | 61313  | 809  | -69 | .   | 13    | 6.3 | 15    | 11.8 | 26    | 30.7 | 12    | 6.4  | 9     | 2.9  | 15    | 8.5  | 17    | 21.3 | 14    | 11.8 |
| 50   | 67967  | 460  | -62 | .   | 16    | 2.8 | 22    | 15.9 | 29    | 41.2 | 12    | 5.3  | 11    | 2.3  | 17    | 5.5  | 24    | 20.3 | 17    | 5.8  |
| 30   | 78513  | 269  | -55 | .   | 16    | 1.3 | 33    | 14.4 | 36    | 58.0 | 18    | 5.7  | 8     | 2.0  | 14    | 4.3  | 29    | 11.5 | 21    | 2.3  |
| 20   | 87234  | 353  | -49 | .   | 8     | 1.3 | 8     | 3.4  | 24    | 26.3 | 6     | 2.9  | 3     | 0.6  | 10    | 2.0  | 22    | 9.5  | 15    | 3.4  |
| 10   | 102227 | 342  | -40 | .   | 16    | 2.7 | 17    | 6.9  | 47    | 52.7 | 13    | 5.9  | 5     | 1.3  | 20    | 4.1  | 44    | 19.0 | 30    | 6.9  |

JUL Latitude= 2.50 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 16         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 3.5              | 9                 | 95.1            | 7                  | 1.2              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 401         | 37           | 27         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 11                 | 18.5             | 12                | 77.8            | 10                 | 3.5              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 5001        | 221          | 17         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 21                 | 7.7              | 19                | 89.6            | 16                 | 2.5              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10347       | 465          | 8          | 1          | 3                 | 0.6             | 3                  | 0.4              | 5                 | 1.4             | 12                 | 15.1             | 10                | 23.2            | 10                 | 32.4             | 11                | 22.6            | 6                  | 3.2              |
| 500         | 19241       | 952          | -6         | -16        | 8                 | 10.8            | 11                 | 20.1             | 11                | 26.1            | 9                  | 14.3             | 7                 | 5.4             | 7                  | 5.1              | 9                 | 8.2             | 9                  | 8.4              |
| 400         | 24854       | 1280         | -17        | -29        | 9                 | 7.5             | 11                 | 16.6             | 13                | 28.5            | 13                 | 20.1             | 8                 | 7.2             | 8                  | 5.6              | 8                 | 6.1             | 10                 | 7.5              |
| 300         | 31744       | 1679         | -32        | -44        | 11                | 9.2             | 16                 | 20.3             | 17                | 33.9            | 15                 | 20.0             | 9                 | 3.7             | 8                  | 2.9              | 9                 | 4.3             | 12                 | 4.8              |
| 250         | 35876       | 1877         | -42        | .          | 14                | 5.9             | 21                 | 22.6             | 22                | 38.7            | 17                 | 18.2             | 11                | 3.7             | 13                 | 2.5              | 12                | 3.3             | 13                 | 4.6              |
| 200         | 40711       | 2049         | -55        | .          | 13                | 2.2             | 26                 | 20.5             | 28                | 54.5            | 20                 | 14.7             | 12                | 2.5             | 14                 | 1.4              | 12                | 1.2             | 14                 | 2.4              |
| 150         | 46591       | 1944         | -67        | .          | 17                | 3.2             | 28                 | 13.5             | 36                | 73.9            | 23                 | 6.9              | 15                | 0.4             | 6                  | 0.6              | 0                 | 0.0             | 12                 | 1.1              |
| 100         | 54423       | 1340         | -73        | .          | 13                | 3.0             | 23                 | 13.4             | 27                | 63.7            | 19                 | 10.1             | 8                 | 1.2             | 14                 | 1.4              | 24                | 3.0             | 16                 | 3.3              |
| 70          | 61314       | 810          | -69        | .          | 8                 | 4.2             | 14                 | 7.7              | 26                | 48.0            | 15                 | 12.1             | 10                | 3.5             | 13                 | 6.1              | 14                | 7.9             | 12                 | 9.7              |
| 50          | 67970       | 463          | -62        | .          | 9                 | 2.5             | 14                 | 7.2              | 30                | 53.8            | 17                 | 10.8             | 8                 | 3.0             | 14                 | 3.7              | 21                | 12.6            | 15                 | 5.9              |
| 30          | 78519       | 275          | -55        | .          | 15                | 1.2             | 19                 | 5.3              | 37                | 70.0            | 17                 | 8.7              | 10                | 3.8             | 14                 | 3.7              | 15                | 3.5             | 11                 | 3.0              |
| 20          | 87239       | 358          | -49        | .          | 9                 | 2.2             | 9                  | 4.6              | 23                | 29.7            | 8                  | 3.0              | 8                 | 1.5             | 11                 | 3.1              | 12                | 2.2             | 7                  | 3.0              |
| 10          | 102218      | 333          | -40        | .          | 19                | 4.5             | 19                 | 9.3              | 47                | 59.6            | 16                 | 6.1              | 16                | 3.2             | 21                 | 6.4              | 24                | 4.5             | 14                 | 6.1              |

JUL Latitude= 2.50 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 18         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 0.3              | 11                | 76.4            | 11                 | 23.2             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 380         | 16           | 27         | 20         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 0.1              | 14                | 69.6            | 14                 | 30.2             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4994        | 214          | 16         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 27                 | 0.3              | 24                | 58.9            | 22                 | 40.7             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10343       | 461          | 9          | 0          | 0                 | 0.0             | 0                  | 0.0              | 10                | 0.3             | 14                 | 6.4              | 13                | 26.4            | 15                 | 51.5             | 16                | 15.0            | 2                  | 0.1              |
| 500         | 19234       | 945          | -6         | -16        | 9                 | 9.8             | 11                 | 16.6             | 10                | 19.0            | 9                  | 11.6             | 10                | 9.0             | 10                 | 8.8              | 10                | 15.0            | 8                  | 9.0              |
| 400         | 24854       | 1280         | -17        | -28        | 10                | 8.4             | 10                 | 16.6             | 12                | 26.8            | 12                 | 19.2             | 10                | 6.9             | 9                  | 6.7              | 9                 | 8.8             | 10                 | 5.9              |
| 300         | 31745       | 1680         | -32        | -44        | 9                 | 9.3             | 14                 | 19.7             | 17                | 34.9            | 14                 | 17.6             | 10                | 4.0             | 8                  | 3.8              | 8                 | 4.8             | 12                 | 5.1              |
| 250         | 35874       | 1875         | -42        | .          | 12                | 6.3             | 20                 | 19.8             | 22                | 42.0            | 18                 | 15.6             | 11                | 4.3             | 12                 | 2.7              | 9                 | 4.5             | 12                 | 4.5              |
| 200         | 40709       | 2047         | -55        | .          | 14                | 2.7             | 25                 | 18.6             | 29                | 59.2            | 20                 | 11.1             | 11                | 2.4             | 12                 | 2.2              | 5                 | 0.8             | 13                 | 2.7              |
| 150         | 46589       | 1942         | -67        | .          | 19                | 3.5             | 25                 | 17.1             | 38                | 72.3            | 23                 | 5.3              | 18                | 0.6             | 6                  | 0.4              | 5                 | 0.1             | 12                 | 0.3              |
| 100         | 54423       | 1340         | -73        | .          | 11                | 3.3             | 22                 | 17.1             | 28                | 62.7            | 21                 | 9.3              | 11                | 0.6             | 21                 | 0.9              | 18                | 2.1             | 19                 | 3.5              |
| 70          | 61317       | 813          | -69        | .          | 10                | 6.4             | 16                 | 10.0             | 27                | 49.3            | 16                 | 9.0              | 8                 | 3.0             | 15                 | 5.1              | 14                | 9.2             | 13                 | 7.1              |
| 50          | 67972       | 465          | -62        | .          | 11                | 4.5             | 21                 | 8.8              | 32                | 52.9            | 17                 | 8.2              | 8                 | 1.4             | 13                 | 4.0              | 22                | 12.7            | 15                 | 7.1              |
| 30          | 78518       | 274          | -55        | .          | 20                | 1.7             | 30                 | 7.4              | 39                | 66.1            | 19                 | 10.1             | 12                | 4.5             | 10                 | 1.2              | 21                | 5.0             | 18                 | 3.0              |
| 20          | 87235       | 354          | -49        | .          | 11                | 3.1             | 10                 | 4.0              | 24                | 29.5            | 7                  | 2.2              | 7                 | 1.5             | 7                  | 0.9              | 14                | 5.1             | 12                 | 3.1              |
| 10          | 102217      | 332          | -40        | .          | 22                | 6.4             | 20                 | 8.0              | 47                | 59.0            | 14                 | 4.5              | 15                | 3.2             | 15                 | 1.9              | 29                | 10.3            | 24                 | 6.4              |

JUL Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 27         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 33.5            | 14                 | 66.4             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 362         | -2           | 26         | 20         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 10                 | 0.1              | 17                | 48.1            | 17                 | 51.6             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4979        | 199          | 16         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 27                 | 0.1              | 24                | 41.1            | 26                 | 58.6             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10333       | 451          | 9          | -2         | 0                 | 0.0             | 0                  | 0.0              | 15                | 0.1             | 12                 | 5.1              | 13                | 21.8            | 19                 | 58.1             | 20                | 14.7            | 0                  | 0.0              |
| 500         | 19232       | 943          | -6         | -16        | 8                 | 10.3            | 11                 | 17.2             | 10                | 11.6            | 9                  | 8.4              | 11                | 10.6            | 12                 | 14.2             | 11                | 17.9            | 0                  | 0.0              |
| 400         | 24854       | 1280         | -17        | -28        | 10                | 9.3             | 10                 | 15.3             | 12                | 19.8            | 10                 | 18.0             | 9                 | 8.8             | 11                 | 7.5              | 11                | 11.9            | 9                  | 7.7              |
| 300         | 31745       | 1680         | -32        | -44        | 11                | 6.6             | 13                 | 22.4             | 17                | 33.1            | 13                 | 16.3             | 9                 | 5.1             | 10                 | 4.5              | 9                 | 5.3             | 11                 | 5.8              |
| 250         | 35872       | 1873         | -42        |            | 12                | 5.0             | 18                 | 20.5             | 23                | 43.7            | 18                 | 14.2             | 9                 | 4.6             | 9                  | 3.0              | 11                | 3.8             | 11                 | 4.8              |
| 200         | 40707       | 2045         | -55        |            | 16                | 3.3             | 23                 | 17.6             | 31                | 62.1            | 19                 | 8.8              | 13                | 2.5             | 10                 | 2.2              | 17                | 0.9             | 12                 | 2.1              |
| 150         | 46586       | 1939         | -67        |            | 15                | 3.5             | 23                 | 17.3             | 40                | 72.3            | 22                 | 4.0              | 16                | 1.1             | 0                  | 0.0              | 4                 | 0.4             | 8                  | 0.6              |
| 100         | 54421       | 1338         | -73        |            | 11                | 3.8             | 21                 | 17.3             | 29                | 65.0            | 21                 | 7.7              | 12                | 0.6             | 15                 | 1.2              | 20                | 2.1             | 18                 | 1.9              |
| 70          | 61316       | 812          | -69        |            | 9                 | 6.3             | 19                 | 11.8             | 28                | 49.3            | 16                 | 8.0              | 8                 | 2.9             | 14                 | 5.0              | 15                | 9.8             | 12                 | 6.3              |
| 50          | 67969       | 462          | -62        |            | 12                | 3.0             | 24                 | 11.8             | 32                | 52.2            | 16                 | 5.8              | 11                | 1.6             | 15                 | 3.3              | 21                | 14.7            | 14                 | 7.2              |
| 30          | 78516       | 272          | -55        |            | 20                | 1.4             | 31                 | 10.5             | 38                | 67.3            | 19                 | 7.2              | 10                | 2.9             | 10                 | 0.8              | 24                | 5.9             | 19                 | 3.7              |
| 20          | 87237       | 356          | -49        |            | 12                | 2.5             | 10                 | 3.0              | 24                | 29.1            | 8                  | 3.0              | 6                 | 1.5             | 7                  | 0.7              | 17                | 6.0             | 15                 | 3.3              |
| 10          | 102217      | 332          | -40        |            | 24                | 5.1             | 21                 | 6.1              | 48                | 58.3            | 17                 | 6.1              | 13                | 3.2             | 14                 | 1.6              | 34                | 12.2            | 31                 | 6.7              |

JUL Latitude= 5.00 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         |             |              | 21         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 8                 | 57.7            | 6                  | 40.3             | 5                 | 1.9             | 0                  | 0.0              |
| 1000        | 421         | 57           | 27         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 9.2              | 10                | 55.5            | 9                  | 31.6             | 9                 | 3.3             | 13                 | 0.1              |
| 850         | 4979        | 199          | 19         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 14                 | 3.7              | 13                | 63.0            | 12                 | 32.4             | 13                | 0.8             | 0                  | 0.0              |
| 700         | 10345       | 463          | 9          | 4          | 3                 | 2.1             | 3                  | 1.7              | 5                 | 1.9             | 8                  | 10.0             | 9                 | 15.8            | 9                  | 25.5             | 11                | 33.4            | 7                  | 8.2              |
| 500         | 19244       | 955          | -6         | -15        | 9                 | 9.6             | 13                 | 39.5             | 13                | 34.0            | 10                 | 4.8              | 5                 | 1.6             | 4                  | 0.8              | 8                 | 2.9             | 8                  | 5.4              |
| 400         | 24869       | 1295         | -17        | -29        | 9                 | 6.3             | 13                 | 18.4             | 15                | 45.0            | 14                 | 17.4             | 5                 | 3.5             | 7                  | 1.6              | 8                 | 1.4             | 8                  | 5.3              |
| 300         | 31746       | 1681         | -32        | -45        | 13                | 5.8             | 17                 | 21.3             | 20                | 50.8            | 17                 | 16.3             | 8                 | 1.1             | 7                  | 0.6              | 12                | 1.4             | 9                  | 2.2              |
| 250         | 35892       | 1893         | -42        |            | 13                | 3.2             | 23                 | 23.1             | 24                | 56.3            | 21                 | 11.4             | 10                | 1.4             | 6                  | 0.4              | 10                | 0.9             | 10                 | 2.7              |
| 200         | 40734       | 2072         | -54        |            | 13                | 0.9             | 30                 | 20.2             | 32                | 66.3            | 26                 | 6.6              | 12                | 1.9             | 7                  | 1.2              | 7                 | 1.2             | 13                 | 0.9              |
| 150         | 46613       | 1966         | -67        |            | 15                | 1.1             | 32                 | 12.1             | 41                | 80.4            | 28                 | 4.6              | 8                 | 0.3             | 10                 | 0.3              | 0                 | 0.0             | 8                  | 0.8              |
| 100         | 54431       | 1348         | -74        |            | 13                | 1.7             | 27                 | 10.6             | 35                | 77.8            | 27                 | 7.4              | 9                 | 1.1             | 0                  | 0.0              | 29                | 0.6             | 15                 | 0.4              |
| 70          | 61316       | 812          | -69        |            | 12                | 1.9             | 17                 | 9.5              | 31                | 70.8            | 23                 | 9.8              | 10                | 1.4             | 14                 | 1.7              | 9                 | 1.7             | 10                 | 2.7              |
| 50          | 67979       | 472          | -62        |            | 9                 | 2.2             | 14                 | 9.8              | 35                | 67.6            | 23                 | 11.6             | 7                 | 1.6             | 11                 | 2.2              | 14                | 1.9             | 12                 | 2.5              |
| 30          | 78525       | 281          | -54        |            | 16                | 1.4             | 18                 | 6.1              | 41                | 77.9            | 23                 | 12.1             | 11                | 0.3             | 8                  | 0.4              | 11                | 0.1             | 14                 | 0.9              |
| 20          | 87249       | 368          | -49        |            | 9                 | 2.8             | 9                  | 6.5              | 21                | 34.6            | 9                  | 2.2              | 8                 | 0.9             | 7                  | 0.9              | 1                 | 0.4             | 11                 | 1.0              |
| 10          | 102241      | 356          | -40        |            | 18                | 5.8             | 19                 | 13.2             | 43                | 69.3            | 19                 | 4.5              | 16                | 1.9             | 15                 | 1.9              | 2                 | 0.9             | 21                 | 2.2              |

JUL Latitude= 5.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 16         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 12                | 61.6            | 12                 | 38.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 348         | -16          | 28         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 16                | 51.2            | 15                 | 48.7             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4968        | 188          | 18         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 24                | 22.9            | 25                 | 77.0             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10339       | 457          | 9          | 2          | 3                 | 0.1             | 0                  | 0.0              | 8                 | 0.3             | 7                  | 0.4              | 12                | 11.4            | 12                 | 38.2             | 13                | 42.9            | 9                  | 5.8              |
| 500         | 19242       | 953          | -6         | -16        | 9                 | 9.6             | 12                 | 31.5             | 11                | 26.1            | 9                  | 10.8             | 7                 | 3.5             | 9                  | 2.9              | 9                 | 6.9             | 7                  | 7.9              |
| 400         | 24859       | 1285         | -17        | -30        | 8                 | 6.4             | 13                 | 20.3             | 14                | 37.9            | 13                 | 17.2             | 7                 | 4.0             | 6                  | 3.7              | 8                 | 4.3             | 10                 | 5.0              |
| 300         | 31750       | 1685         | -32        | -46        | 11                | 6.6             | 17                 | 21.8             | 19                | 51.2            | 16                 | 14.7             | 9                 | 0.9             | 11                 | 0.4              | 8                 | 1.9             | 10                 | 1.9              |
| 250         | 35884       | 1885         | -42        | .          | 14                | 4.2             | 23                 | 21.0             | 25                | 57.1            | 21                 | 12.4             | 11                | 2.1             | 5                  | 0.3              | 10                | 1.6             | 9                  | 1.1              |
| 200         | 40724       | 2062         | -54        | .          | 21                | 0.9             | 28                 | 15.8             | 33                | 72.1            | 22                 | 6.6              | 13                | 1.4             | 10                 | 1.6              | 5                 | 0.6             | 9                  | 0.6              |
| 150         | 46612       | 1965         | -67        | .          | 17                | 1.2             | 30                 | 14.4             | 43                | 79.6            | 28                 | 4.0              | 17                | 0.3             | 0                  | 0.0              | 7                 | 0.1             | 9                  | 0.1              |
| 100         | 54437       | 1354         | -73        | .          | 13                | 0.4             | 27                 | 11.8             | 35                | 79.9            | 28                 | 6.3              | 11                | 0.3             | 1                  | 0.1              | 17                | 0.3             | 24                 | 0.6              |
| 70          | 61328       | 824          | -69        | .          | 8                 | 2.5             | 17                 | 11.1             | 31                | 74.4            | 23                 | 5.3              | 7                 | 0.9             | 13                 | 1.7              | 14                | 1.6             | 13                 | 2.1              |
| 50          | 67982       | 475          | -62        | .          | 9                 | 4.2             | 17                 | 11.3             | 36                | 68.2            | 22                 | 7.7              | 7                 | 1.2             | 13                 | 1.7              | 14                | 2.9             | 10                 | 2.4              |
| 30          | 78533       | 289          | -55        | .          | 16                | 4.0             | 27                 | 8.0              | 42                | 74.2            | 26                 | 11.8             | 6                 | 0.4             | 0                  | 0.0              | 8                 | 0.6             | 14                 | 0.6              |
| 20          | 87254       | 373          | -49        | .          | 11                | 4.6             | 10                 | 7.2              | 22                | 32.3            | 10                 | 1.8              | 8                 | 0.7             | 6                  | 0.2              | 6                 | 1.0             | 7                  | 1.4              |
| 10          | 102242      | 357          | -40        | .          | 22                | 9.3             | 20                 | 14.5             | 45                | 64.8            | 20                 | 3.8              | 16                | 1.6             | 11                 | 0.6              | 12                | 2.2             | 14                 | 2.9              |

JUL Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 16         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 13                | 17.0            | 15                 | 82.9             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 336         | -28          | 28         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 16                | 23.1            | 18                 | 76.8             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4961        | 181          | 18         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 27                | 8.5             | 27                 | 91.4             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10332       | 450          | 10         | 1          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 0.6              | 14                | 5.4             | 17                 | 53.3             | 17                | 40.0            | 10                 | 0.4              |
| 500         | 19237       | 948          | -6         | -15        | 10                | 12.2            | 12                 | 29.0             | 10                | 16.1            | 10                 | 9.2              | 9                 | 5.9             | 11                 | 7.2              | 10                | 9.6             | 9                  | 9.0              |
| 400         | 24858       | 1284         | -17        | -29        | 9                 | 9.0             | 13                 | 20.5             | 13                | 31.5            | 12                 | 14.7             | 8                 | 5.9             | 9                  | 3.5              | 8                 | 7.5             | 8                  | 6.6              |
| 300         | 31749       | 1684         | -32        | -44        | 12                | 5.6             | 17                 | 22.6             | 18                | 50.6            | 16                 | 12.2             | 7                 | 1.7             | 5                  | 1.1              | 11                | 1.6             | 7                  | 4.0              |
| 250         | 35881       | 1882         | -42        | .          | 15                | 4.0             | 23                 | 19.0             | 25                | 58.3            | 20                 | 12.7             | 10                | 2.2             | 10                 | 0.4              | 9                 | 1.4             | 16                 | 1.2              |
| 200         | 40721       | 2059         | -54        | .          | 14                | 1.9             | 28                 | 13.9             | 35                | 73.1            | 18                 | 7.2              | 12                | 1.9             | 11                 | 0.9              | 7                 | 0.6             | 14                 | 0.1              |
| 150         | 46608       | 1961         | -67        | .          | 10                | 1.4             | 27                 | 15.2             | 45                | 79.4            | 30                 | 3.2              | 14                | 0.1             | 14                 | 0.1              | 0                 | 0.0             | 3                  | 0.1              |
| 100         | 54435       | 1352         | -73        | .          | 13                | 0.6             | 27                 | 12.6             | 36                | 80.9            | 28                 | 5.3              | 6                 | 0.1             | 2                  | 0.1              | 0                 | 0.0             | 12                 | 0.1              |
| 70          | 61327       | 823          | -69        | .          | 9                 | 2.9             | 21                 | 12.9             | 31                | 73.3            | 18                 | 4.6              | 6                 | 1.1             | 17                 | 1.1              | 17                | 2.4             | 9                  | 1.4              |
| 50          | 67980       | 473          | -62        | .          | 11                | 4.0             | 21                 | 12.6             | 36                | 68.9            | 18                 | 4.6              | 9                 | 0.6             | 13                 | 2.1              | 15                | 3.3             | 11                 | 2.9              |
| 30          | 78535       | 291          | -54        | .          | 19                | 4.0             | 30                 | 10.1             | 41                | 76.5            | 26                 | 5.9              | 6                 | 0.6             | 10                 | 0.3              | 9                 | 0.8             | 12                 | 1.4              |
| 20          | 87255       | 374          | -49        | .          | 13                | 4.1             | 10                 | 6.2              | 23                | 32.2            | 9                  | 2.3              | 5                 | 1.0             | 6                  | 0.1              | 6                 | 1.4             | 8                  | 2.0              |
| 10          | 102250      | 365          | -40        | .          | 27                | 8.3             | 20                 | 12.5             | 46                | 64.5            | 19                 | 4.8              | 10                | 2.2             | 13                 | 0.3              | 13                | 2.9             | 17                 | 4.1              |

AUG Latitude=-2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 26  | 18  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 13    | 26.7 | 10    | 69.0 | 7     | 4.1  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 416    | 52   | 25  | 20  | 97    | 0.1  | 0     | 0.0  | 10    | 0.1  | 14    | 17.5 | 15    | 79.8 | 11    | 2.2  | 0     | 0.0  | 0     | 0.0  |
| 850  | 5018   | 238  | 16  | 9   | 0     | 0.0  | 0     | 0.0  | 19    | 0.3  | 17    | 20.9 | 21    | 78.5 | 11    | 0.1  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10351  | 469  | 8   | -3  | 3     | 0.6  | 2     | 0.1  | 12    | 2.9  | 14    | 24.3 | 12    | 37.9 | 12    | 25.9 | 8     | 6.7  | 9     | 1.1  |
| 500  | 19238  | 949  | -6  | -18 | 7     | 4.9  | 7     | 5.8  | 9     | 12.4 | 10    | 17.5 | 9     | 17.9 | 9     | 15.1 | 9     | 16.1 | 9     | 9.0  |
| 400  | 24858  | 1284 | -17 | -31 | 7     | 4.3  | 7     | 7.4  | 12    | 19.6 | 12    | 21.9 | 9     | 12.2 | 11    | 11.9 | 10    | 12.7 | 11    | 8.5  |
| 300  | 31755  | 1690 | -32 | -47 | 8     | 6.6  | 9     | 8.7  | 14    | 20.3 | 12    | 14.0 | 10    | 12.2 | 10    | 11.6 | 14    | 14.1 | 11    | 11.4 |
| 250  | 35881  | 1882 | -42 |     | 10    | 8.7  | 13    | 10.8 | 18    | 20.1 | 12    | 15.1 | 11    | 9.0  | 14    | 9.9  | 16    | 13.5 | 13    | 12.4 |
| 200  | 40715  | 2053 | -54 |     | 12    | 8.7  | 17    | 15.4 | 18    | 31.2 | 18    | 13.2 | 12    | 7.5  | 8     | 5.6  | 19    | 9.5  | 16    | 8.2  |
| 150  | 46593  | 1946 | -67 |     | 14    | 8.5  | 20    | 20.6 | 30    | 41.7 | 15    | 9.5  | 11    | 3.7  | 12    | 3.2  | 18    | 6.1  | 16    | 6.4  |
| 100  | 54424  | 1341 | -73 |     | 11    | 10.9 | 16    | 19.9 | 18    | 34.3 | 13    | 11.1 | 10    | 2.5  | 12    | 4.6  | 20    | 8.2  | 16    | 8.0  |
| 70   | 61325  | 821  | -69 |     | 10    | 3.3  | 15    | 6.6  | 24    | 26.2 | 13    | 6.1  | 10    | 4.3  | 10    | 9.5  | 15    | 28.8 | 13    | 14.6 |
| 50   | 67994  | 487  | -62 |     | 9     | 1.4  | 17    | 9.6  | 26    | 39.9 | 16    | 6.1  | 11    | 3.2  | 15    | 8.8  | 20    | 25.0 | 16    | 5.4  |
| 30   | 78535  | 291  | -56 |     | 12    | 0.9  | 18    | 6.2  | 37    | 55.8 | 15    | 3.7  | 20    | 3.8  | 19    | 10.1 | 21    | 17.2 | 15    | 1.9  |
| 20   | 87232  | 351  | -50 |     | 4     | 0.7  | 10    | 2.0  | 24    | 24.6 | 10    | 3.0  | 17    | 2.8  | 14    | 3.5  | 14    | 10.5 | 11    | 2.0  |
| 10   | 102123 | 238  | -40 |     | 9     | 1.6  | 21    | 4.1  | 49    | 49.3 | 21    | 6.1  | 34    | 5.8  | 28    | 7.0  | 28    | 21.2 | 23    | 4.1  |

AUG Latitude=-2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N   | NE    | NE   | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 25  | 23  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 13    | 1.9  | 14    | 91.6 | 15    | 6.4  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 408    | 44   | 24  | 22  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 12    | 8.5  | 17    | 85.6 | 17    | 5.8  | 0     | 0.0  | 0     | 0.0  |
| 850  | 5007   | 227  | 16  | 8   | 0     | 0.0 | 0     | 0.0  | 27    | 0.1  | 19    | 35.8 | 20    | 63.3 | 20    | 0.6  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10344  | 462  | 9   | -5  | 0     | 0.0 | 3     | 0.1  | 15    | 2.2  | 15    | 25.4 | 14    | 44.6 | 13    | 23.0 | 12    | 4.1  | 12    | 0.1  |
| 500  | 19237  | 948  | -6  | -17 | 8     | 5.6 | 8     | 5.8  | 8     | 11.9 | 10    | 18.5 | 10    | 19.3 | 11    | 16.9 | 12    | 14.5 | 8     | 6.9  |
| 400  | 24860  | 1286 | -17 | -30 | 7     | 4.6 | 8     | 6.7  | 12    | 19.5 | 11    | 21.1 | 9     | 13.3 | 12    | 13.3 | 11    | 12.2 | 12    | 8.8  |
| 300  | 31759  | 1694 | -32 | -45 | 10    | 6.9 | 10    | 9.0  | 15    | 20.9 | 12    | 12.9 | 9     | 10.8 | 11    | 12.0 | 15    | 13.7 | 12    | 12.4 |
| 250  | 35883  | 1884 | -42 |     | 12    | 9.9 | 14    | 14.8 | 18    | 22.4 | 14    | 11.7 | 11    | 8.5  | 14    | 7.7  | 15    | 12.7 | 15    | 11.2 |
| 200  | 40718  | 2056 | -55 |     | 12    | 9.6 | 18    | 19.0 | 21    | 29.3 | 17    | 12.5 | 12    | 6.7  | 11    | 5.3  | 18    | 8.5  | 18    | 7.9  |
| 150  | 46593  | 1946 | -68 |     | 14    | 7.7 | 23    | 20.9 | 32    | 44.9 | 17    | 7.4  | 16    | 3.2  | 11    | 3.3  | 18    | 5.4  | 13    | 6.6  |
| 100  | 54424  | 1341 | -73 |     | 11    | 9.0 | 17    | 21.9 | 20    | 33.7 | 15    | 10.8 | 12    | 3.2  | 16    | 3.7  | 18    | 8.0  | 13    | 9.1  |
| 70   | 61329  | 825  | -69 |     | 10    | 5.8 | 16    | 5.6  | 24    | 25.9 | 14    | 5.4  | 10    | 4.3  | 10    | 10.6 | 16    | 25.3 | 14    | 16.6 |
| 50   | 68004  | 497  | -62 |     | 10    | 2.7 | 18    | 13.8 | 26    | 35.3 | 15    | 6.4  | 9     | 2.7  | 15    | 8.2  | 21    | 26.4 | 16    | 4.0  |
| 30   | 78542  | 298  | -56 |     | 9     | 1.2 | 23    | 8.3  | 37    | 52.2 | 16    | 4.3  | 16    | 3.8  | 20    | 13.0 | 22    | 14.1 | 16    | 2.4  |
| 20   | 87239  | 358  | -50 |     | 4     | 0.5 | 9     | 2.0  | 24    | 25.2 | 9     | 2.6  | 15    | 1.5  | 15    | 3.8  | 16    | 12.0 | 14    | 1.5  |
| 10   | 102127 | 242  | -40 |     | 9     | 1.2 | 17    | 4.1  | 48    | 50.6 | 18    | 5.4  | 30    | 3.2  | 29    | 7.7  | 31    | 24.1 | 28    | 3.2  |

AUG Latitude=-2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE    | NE   | E   | E    | SE    | SE   | S   | S    | SW    | SW   | W   | W    | NW    |
|------|--------|------|-----|-----|-----|------|-------|------|-----|------|-------|------|-----|------|-------|------|-----|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) |
| SFC  | .      | .    | 26  | 22  | 0   | 0.0  | 0     | 0.0  | 0   | 0.0  | 13    | 7.4  | 13  | 88.0 | 12    | 4.5  | 0   | 0.0  | 0     |
| 1000 | 394    | 30   | 24  | 21  | 0   | 0.0  | 0     | 0.0  | 11  | 0.1  | 15    | 22.4 | 15  | 75.1 | 16    | 2.2  | 0   | 0.0  | 0     |
| 850  | 4995   | 215  | 16  | 8   | 0   | 0.0  | 0     | 0.0  | 28  | 0.4  | 20    | 51.4 | 19  | 47.7 | 19    | 0.3  | 0   | 0.0  | 0     |
| 700  | 10335  | 453  | 9   | -5  | 0   | 0.0  | 0     | 0.0  | 14  | 6.2  | 14    | 28.8 | 14  | 44.5 | 14    | 17.0 | 14  | 2.9  | 1     |
| 500  | 19234  | 945  | -6  | -17 | 9   | 5.9  | 7     | 6.7  | 8   | 12.9 | 10    | 16.2 | 10  | 17.5 | 11    | 18.5 | 13  | 15.6 | 10    |
| 400  | 24859  | 1285 | -17 | -29 | 9   | 6.4  | 10    | 4.8  | 12  | 19.8 | 11    | 18.5 | 9   | 14.1 | 10    | 12.7 | 13  | 14.8 | 12    |
| 300  | 31757  | 1692 | -32 | -45 | 10  | 8.2  | 11    | 11.7 | 15  | 19.9 | 12    | 11.9 | 10  | 7.9  | 11    | 13.3 | 14  | 13.3 | 13    |
| 250  | 35884  | 1885 | -42 | .   | 12  | 10.3 | 15    | 17.4 | 18  | 24.8 | 15    | 9.8  | 13  | 7.5  | 14    | 6.4  | 16  | 10.1 | 14    |
| 200  | 40720  | 2058 | -55 | .   | 14  | 8.2  | 19    | 21.4 | 22  | 32.0 | 15    | 11.4 | 13  | 4.9  | 11    | 4.1  | 16  | 9.3  | 16    |
| 150  | 46591  | 1944 | -68 | .   | 12  | 6.1  | 26    | 23.8 | 34  | 47.7 | 15    | 5.6  | 13  | 3.3  | 11    | 3.2  | 17  | 4.9  | 15    |
| 100  | 54422  | 1339 | -72 | .   | 10  | 8.7  | 17    | 19.6 | 21  | 38.2 | 16    | 8.7  | 10  | 3.2  | 15    | 4.9  | 17  | 7.5  | 12    |
| 70   | 61332  | 828  | -69 | .   | 10  | 6.1  | 17    | 6.7  | 24  | 24.5 | 14    | 4.9  | 12  | 4.8  | 11    | 10.9 | 16  | 25.8 | 14    |
| 50   | 68010  | 503  | -62 | .   | 12  | 4.3  | 22    | 13.2 | 26  | 32.2 | 16    | 8.7  | 8   | 3.0  | 16    | 6.4  | 21  | 26.7 | 15    |
| 30   | 78550  | 306  | -55 | .   | 12  | 1.6  | 30    | 11.4 | 36  | 48.0 | 16    | 5.4  | 13  | 4.0  | 19    | 11.1 | 22  | 15.6 | 16    |
| 20   | 87248  | 367  | -50 | .   | 5   | 0.4  | 9     | 3.3  | 24  | 24.1 | 11    | 2.3  | 10  | 0.7  | 13    | 3.0  | 17  | 13.5 | 16    |
| 10   | 102130 | 245  | -40 | .   | 10  | 0.9  | 17    | 6.7  | 49  | 48.3 | 22    | 4.8  | 19  | 1.6  | 26    | 6.1  | 34  | 27.0 | 32    |

AUG Latitude= 0.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N   | NE    | NE   | E   | E    | SE    | SE   | S   | S    | SW    | SW   | W   | W    | NW    |
|------|--------|------|-----|-----|-----|-----|-------|------|-----|------|-------|------|-----|------|-------|------|-----|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) |
| SFC  | .      | .    | 28  | 17  | 0   | 0.0 | 0     | 0.0  | 0   | 0.0  | 12    | 12.9 | 10  | 86.7 | 4     | 0.3  | 0   | 0.0  | 0     |
| 1000 | 387    | 23   | 26  | 18  | 33  | 0.1 | 0     | 0.0  | 4   | 0.1  | 14    | 28.0 | 13  | 70.8 | 10    | 0.8  | 0   | 0.0  | 0     |
| 850  | 5007   | 227  | 16  | 10  | 0   | 0.0 | 0     | 0.0  | 0   | 0.0  | 19    | 13.0 | 21  | 86.7 | 16    | 0.1  | 0   | 0.0  | 0     |
| 700  | 10350  | 468  | 8   | -1  | 3   | 0.6 | 2     | 0.3  | 11  | 0.9  | 13    | 14.1 | 12  | 36.6 | 12    | 35.3 | 8   | 8.2  | 6     |
| 500  | 19238  | 949  | -6  | -18 | 7   | 7.9 | 8     | 14.1 | 8   | 12.7 | 9     | 17.5 | 9   | 15.4 | 8     | 11.4 | 10  | 10.1 | 8     |
| 400  | 24856  | 1282 | -17 | -30 | 8   | 6.6 | 8     | 9.8  | 10  | 18.2 | 11    | 22.5 | 10  | 10.9 | 10    | 10.4 | 9   | 11.2 | 10    |
| 300  | 31755  | 1690 | -32 | -46 | 8   | 8.0 | 9     | 10.3 | 13  | 21.1 | 13    | 17.2 | 9   | 11.2 | 8     | 9.9  | 11  | 9.8  | 10    |
| 250  | 35882  | 1883 | -42 | .   | 10  | 8.7 | 12    | 12.7 | 17  | 26.2 | 14    | 15.3 | 11  | 12.2 | 10    | 8.0  | 14  | 8.2  | 13    |
| 200  | 40717  | 2055 | -54 | .   | 10  | 7.2 | 19    | 17.0 | 20  | 35.1 | 16    | 16.4 | 11  | 6.7  | 10    | 3.3  | 14  | 6.9  | 12    |
| 150  | 46595  | 1948 | -67 | .   | 14  | 9.1 | 20    | 15.9 | 32  | 54.3 | 18    | 9.3  | 15  | 2.5  | 10    | 2.2  | 9   | 2.9  | 12    |
| 100  | 54425  | 1342 | -73 | .   | 13  | 7.5 | 16    | 21.2 | 21  | 44.3 | 15    | 10.4 | 11  | 2.4  | 13    | 4.1  | 20  | 4.5  | 16    |
| 70   | 61329  | 825  | -69 | .   | 7   | 4.8 | 15    | 8.5  | 26  | 29.5 | 13    | 8.2  | 9   | 4.6  | 11    | 8.8  | 16  | 24.6 | 14    |
| 50   | 68004  | 497  | -62 | .   | 8   | 2.0 | 14    | 9.6  | 27  | 37.4 | 16    | 7.4  | 10  | 4.6  | 12    | 7.7  | 21  | 24.8 | 12    |
| 30   | 78548  | 304  | -56 | .   | 11  | 0.4 | 20    | 7.4  | 36  | 54.6 | 17    | 5.1  | 18  | 4.1  | 18    | 10.4 | 19  | 13.7 | 14    |
| 20   | 87245  | 364  | -50 | .   | 4   | 0.7 | 8     | 1.7  | 27  | 25.7 | 10    | 1.8  | 14  | 2.5  | 10    | 3.6  | 14  | 9.0  | 11    |
| 10   | 102121 | 236  | -40 | .   | 9   | 1.6 | 15    | 3.5  | 54  | 51.6 | 20    | 3.8  | 28  | 5.1  | 20    | 7.4  | 27  | 18.0 | 22    |

AUG Latitude= 0.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 20         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 11                | 92.5            | 10                 | 7.4              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 390         | 26           | 25         | 21         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 2.4              | 16                | 90.6            | 14                 | 6.9              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 5002        | 222          | 16         | 9          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 22                 | 9.6              | 22                | 85.1            | 20                 | 5.1              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10343       | 461          | 9          | -3         | 0                 | 0.0             | 0                  | 0.0              | 15                | 0.4             | 16                 | 13.3             | 15                | 39.1            | 15                 | 40.6             | 11                | 5.9             | 9                  | 0.3              |
| 500         | 19237       | 948          | -6         | -16        | 8                 | 7.9             | 9                  | 11.7             | 8                 | 11.4            | 10                 | 11.9             | 11                | 17.4            | 10                 | 16.2             | 11                | 14.0            | 8                  | 8.8              |
| 400         | 24859       | 1285         | -17        | -29        | 8                 | 6.6             | 9                  | 8.2              | 11                | 15.9            | 12                 | 19.9             | 9                 | 13.3            | 10                 | 12.4             | 11                | 12.9            | 10                 | 9.9              |
| 300         | 31758       | 1693         | -32        | -45        | 9                 | 9.5             | 9                  | 10.3             | 15                | 22.0            | 12                 | 13.8             | 9                 | 9.9             | 10                 | 12.2             | 11                | 10.8            | 12                 | 9.8              |
| 250         | 35884       | 1885         | -42        | .          | 11                | 8.8             | 12                 | 13.2             | 17                | 29.0            | 14                 | 16.6             | 11                | 9.0             | 11                 | 7.2              | 13                | 8.2             | 14                 | 7.5              |
| 200         | 40718       | 2056         | -55        | .          | 11                | 6.6             | 18                 | 19.8             | 22                | 37.7            | 15                 | 12.0             | 13                | 6.6             | 10                 | 5.1              | 16                | 5.8             | 13                 | 5.6              |
| 150         | 46592       | 1945         | -68        | .          | 14                | 6.7             | 21                 | 17.5             | 34                | 56.6            | 19                 | 8.8              | 19                | 2.2             | 13                 | 1.9              | 13                | 2.0             | 10                 | 3.5              |
| 100         | 54423       | 1340         | -73        | .          | 12                | 6.2             | 16                 | 20.6             | 23                | 45.8            | 17                 | 9.3              | 10                | 5.4             | 14                 | 3.8              | 26                | 3.5             | 14                 | 4.5              |
| 70          | 61331       | 827          | -69        | .          | 9                 | 6.1             | 13                 | 10.3             | 27                | 29.0            | 13                 | 7.5              | 10                | 3.7             | 11                 | 9.0              | 15                | 21.7            | 14                 | 12.2             |
| 50          | 68010       | 503          | -62        | .          | 9                 | 3.5             | 18                 | 11.6             | 27                | 35.8            | 16                 | 7.5              | 10                | 4.3             | 14                 | 6.4              | 21                | 25.3            | 14                 | 5.1              |
| 30          | 78550       | 306          | -56        | .          | 10                | 0.8             | 27                 | 11.2             | 36                | 49.6            | 17                 | 4.9              | 17                | 5.8             | 20                 | 9.1              | 19                | 14.5            | 17                 | 3.7              |
| 20          | 87247       | 366          | -50        | .          | 6                 | 1.0             | 7                  | 2.0              | 28                | 24.3            | 11                 | 1.7              | 10                | 1.7             | 13                 | 2.8              | 13                | 11.2            | 12                 | 4.6              |
| 10          | 102122      | 237          | -40        | .          | 12                | 2.2             | 14                 | 4.1              | 56                | 48.7            | 23                 | 3.5              | 21                | 3.5             | 26                 | 5.8              | 27                | 22.5            | 24                 | 9.3              |

AUG Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 26         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 12                 | 0.3              | 14                | 56.4            | 14                 | 43.2             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 386         | 22           | 24         | 22         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 15                 | 2.4              | 15                | 69.5            | 16                 | 27.9             | 0                 | 0.0             | 6                  | 0.1              |
| 850         | 4989        | 209          | 16         | 8          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 22                 | 15.8             | 20                | 73.0            | 20                 | 11.1             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10334       | 452          | 9          | -4         | 0                 | 0.0             | 0                  | 0.0              | 16                | 1.1             | 14                 | 15.1             | 15                | 37.9            | 16                 | 40.4             | 13                | 5.3             | 0                  | 0.0              |
| 500         | 19234       | 945          | -6         | -16        | 8                 | 9.0             | 9                  | 9.8              | 8                 | 8.7             | 10                 | 9.1              | 11                | 16.4            | 11                 | 19.6             | 14                | 18.3            | 8                  | 8.3              |
| 400         | 24859       | 1285         | -17        | -28        | 8                 | 6.7             | 9                  | 8.2              | 11                | 15.4            | 12                 | 14.9             | 9                 | 14.8            | 11                 | 13.5             | 13                | 16.9            | 11                 | 8.7              |
| 300         | 31758       | 1693         | -32        | -44        | 9                 | 9.3             | 10                 | 9.6              | 15                | 23.5            | 12                 | 13.2             | 8                 | 9.0             | 11                 | 10.9             | 12                | 12.5            | 11                 | 10.6             |
| 250         | 35886       | 1887         | -42        | .          | 11                | 7.7             | 13                 | 14.0             | 18                | 30.8            | 15                 | 14.5             | 11                | 7.7             | 12                 | 6.9              | 14                | 8.5             | 12                 | 9.1              |
| 200         | 40721       | 2059         | -55        | .          | 11                | 7.4             | 19                 | 19.8             | 23                | 39.1            | 14                 | 11.2             | 14                | 5.6             | 10                 | 4.5              | 14                | 5.4             | 12                 | 6.1              |
| 150         | 46592       | 1945         | -68        | .          | 13                | 4.9             | 22                 | 15.6             | 36                | 62.4            | 16                 | 8.2              | 19                | 2.0             | 14                 | 2.4              | 8                 | 1.6             | 12                 | 2.5              |
| 100         | 54424       | 1341         | -72        | .          | 11                | 5.9             | 17                 | 18.0             | 24                | 49.1            | 16                 | 8.8              | 8                 | 5.9             | 15                 | 4.6              | 19                | 3.8             | 14                 | 3.3              |
| 70          | 61335       | 831          | -69        | .          | 10                | 7.0             | 15                 | 9.9              | 26                | 29.3            | 12                 | 8.0              | 10                | 4.9             | 11                 | 8.8              | 16                | 18.8            | 13                 | 12.4             |
| 50          | 68015       | 508          | -62        | .          | 11                | 3.8             | 20                 | 13.3             | 28                | 33.7            | 15                 | 8.3              | 8                 | 3.5             | 15                 | 6.9              | 23                | 23.7            | 14                 | 5.9              |
| 30          | 78556       | 312          | -56        | .          | 9                 | 0.3             | 30                 | 11.7             | 35                | 49.3            | 17                 | 4.5              | 17                | 6.7             | 17                 | 9.0              | 19                | 13.7            | 17                 | 4.5              |
| 20          | 87249       | 368          | -50        | .          | 5                 | 0.7             | 8                  | 2.0              | 28                | 24.1            | 12                 | 1.5              | 7                 | 1.0             | 12                 | 2.0              | 15                | 13.0            | 14                 | 4.7              |
| 10          | 102129      | 244          | -40        | .          | 10                | 1.6             | 16                 | 4.1              | 56                | 48.3            | 25                 | 3.2              | 14                | 2.2             | 25                 | 4.1              | 29                | 26.1            | 28                 | 9.6              |

AUG Latitude= 2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N   | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 26  | 16  | 0     | 0.0 | 0     | 0.0  | 8     | 6.4  | 5     | 0.3  | 0     |
| 1000 | 399    | 35   | 27  | 19  | 0     | 0.0 | 5     | 0.1  | 11    | 19.3 | 10    | 2.7  | 0     |
| 850  | 5002   | 222  | 17  | 12  | 0     | 0.0 | 0     | 0.0  | 20    | 9.0  | 13    | 0.9  | 0     |
| 700  | 10348  | 466  | 8   | 1   | 4     | 2.2 | 3     | 0.4  | 11    | 8.0  | 10    | 37.0 | 0     |
| 500  | 19243  | 954  | -6  | -16 | 7     | 8.3 | 10    | 25.9 | 8     | 16.1 | 7     | 3.7  | 8     |
| 400  | 24857  | 1283 | -17 | -30 | 9     | 4.8 | 9     | 15.6 | 12    | 24.8 | 8     | 7.4  | 10    |
| 300  | 31749  | 1684 | -32 | -46 | 8     | 8.7 | 13    | 14.9 | 14    | 21.1 | 8     | 5.4  | 7     |
| 250  | 35883  | 1884 | -42 | .   | 11    | 6.7 | 15    | 14.1 | 16    | 21.6 | 12    | 6.9  | 9     |
| 200  | 40722  | 2060 | -54 | .   | 13    | 4.6 | 21    | 18.0 | 18    | 16.7 | 12    | 4.5  | 15    |
| 150  | 46602  | 1955 | -67 | .   | 15    | 3.8 | 22    | 16.6 | 22    | 8.7  | 10    | 1.9  | 8     |
| 100  | 54427  | 1344 | -73 | .   | 14    | 4.0 | 19    | 15.4 | 17    | 10.6 | 14    | 1.6  | 16    |
| 70   | 61332  | 828  | -69 | .   | 7     | 5.6 | 13    | 8.5  | 15    | 10.4 | 10    | 4.8  | 15    |
| 50   | 68010  | 503  | -62 | .   | 9     | 3.8 | 14    | 7.0  | 18    | 10.3 | 11    | 5.8  | 18    |
| 30   | 78557  | 313  | -55 | .   | 12    | 1.9 | 21    | 5.9  | 21    | 6.6  | 17    | 7.5  | 14    |
| 20   | 87254  | 373  | -50 | .   | 7     | 2.5 | 8     | 2.5  | 8     | 2.0  | 11    | 2.2  | 11    |
| 10   | 102136 | 251  | -41 | .   | 14    | 5.1 | 15    | 5.1  | 16    | 4.1  | 23    | 11.2 | 23    |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |
|      |        |      |     |     |       |     |       |      |       |      |       |      |       |

AUG Latitude= 2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE    | NE   | E   | E    | SE    | SE   | S   | S    | SW    | SW   | W   | W    | NW    |
|------|--------|------|-----|-----|-----|------|-------|------|-----|------|-------|------|-----|------|-------|------|-----|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) |
| SFC  | .      | .    | 27  | 18  | 0   | 0.0  | 0     | 0.0  | 0   | 0.0  | 0     | 0.0  | 10  | 76.1 | 11    | 23.8 | 0   | 0.0  | 0     |
| 1000 | 377    | 13   | 27  | 20  | 0   | 0.0  | 0     | 0.0  | 0   | 0.0  | 10    | 0.3  | 14  | 72.0 | 15    | 27.5 | 0   | 0.0  | 0     |
| 850  | 4995   | 215  | 17  | 11  | 0   | 0.0  | 0     | 0.0  | 0   | 0.0  | 23    | 0.9  | 22  | 60.3 | 22    | 38.7 | 0   | 0.0  | 0     |
| 700  | 10344  | 462  | 9   | -1  | 0   | 0.0  | 0     | 0.0  | 0   | 0.0  | 15    | 4.8  | 15  | 28.0 | 15    | 52.9 | 12  | 12.9 | 6     |
| 500  | 19237  | 948  | -6  | -16 | 8   | 11.1 | 10    | 21.2 | 9   | 15.1 | 10    | 10.8 | 10  | 12.7 | 9     | 8.2  | 9   | 11.7 | 8     |
| 400  | 24858  | 1284 | -17 | -28 | 9   | 6.2  | 10    | 13.5 | 11  | 21.9 | 13    | 21.6 | 9   | 10.6 | 9     | 7.2  | 11  | 9.8  | 10    |
| 300  | 31752  | 1687 | -32 | -44 | 10  | 9.8  | 11    | 13.2 | 15  | 33.2 | 14    | 18.3 | 8   | 6.7  | 9     | 5.9  | 8   | 5.9  | 8     |
| 250  | 35884  | 1885 | -42 | .   | 12  | 7.7  | 14    | 12.5 | 20  | 37.5 | 16    | 20.3 | 11  | 8.2  | 11    | 4.0  | 9   | 4.5  | 9     |
| 200  | 40723  | 2061 | -54 | .   | 11  | 4.3  | 20    | 19.0 | 24  | 52.7 | 17    | 14.6 | 12  | 3.5  | 11    | 1.9  | 15  | 2.2  | 11    |
| 150  | 46600  | 1953 | -68 | .   | 14  | 5.4  | 22    | 15.8 | 37  | 67.5 | 23    | 8.0  | 14  | 1.6  | 13    | 0.4  | 7   | 0.4  | 10    |
| 100  | 54425  | 1342 | -73 | .   | 11  | 4.5  | 20    | 14.8 | 28  | 62.7 | 19    | 9.1  | 17  | 2.4  | 12    | 2.4  | 16  | 1.6  | 15    |
| 70   | 61335  | 831  | -69 | .   | 8   | 4.6  | 15    | 11.2 | 26  | 47.7 | 15    | 11.2 | 10  | 4.6  | 9     | 5.1  | 14  | 7.7  | 12    |
| 50   | 68016  | 509  | -62 | .   | 9   | 3.7  | 16    | 10.3 | 30  | 44.5 | 18    | 10.9 | 10  | 4.0  | 10    | 5.4  | 19  | 12.5 | 13    |
| 30   | 78563  | 319  | -55 | .   | 13  | 2.9  | 26    | 8.5  | 37  | 54.3 | 20    | 7.0  | 19  | 8.2  | 13    | 7.9  | 15  | 6.9  | 13    |
| 20   | 87260  | 379  | -50 | .   | 7   | 2.8  | 8     | 2.5  | 29  | 24.1 | 7     | 2.2  | 8   | 1.4  | 9     | 2.8  | 11  | 7.5  | 9     |
| 10   | 102139 | 254  | -41 | .   | 15  | 5.8  | 16    | 5.1  | 58  | 48.3 | 14    | 4.5  | 17  | 2.9  | 18    | 5.8  | 21  | 15.1 | 18    |

AUG Latitude= 2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 15                | 36.7            | 14                 | 63.2             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 360         | -4           | 26         | 20         | 39                | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 17                | 52.9            | 16                 | 46.9             | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4981        | 201          | 17         | 10         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 22                 | 0.6              | 23                | 42.7            | 24                 | 56.6             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10334       | 452          | 9          | -2         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 5.1              | 13                | 19.1            | 17                 | 62.0             | 16                | 13.5            | 0                  | 0.0              |
| 500         | 19234       | 945          | -6         | -15        | 9                 | 14.3            | 10                 | 16.4             | 9                 | 9.5             | 9                  | 8.3              | 10                | 11.4            | 10                 | 14.1             | 13                | 14.8            | 9                  | 10.1             |
| 400         | 24857       | 1283         | -17        | -28        | 8                 | 7.0             | 10                 | 12.7             | 11                | 16.9            | 12                 | 17.0             | 8                 | 12.9            | 11                 | 10.4             | 12                | 13.0            | 10                 | 9.3              |
| 300         | 31754       | 1689         | -32        | -44        | 10                | 7.2             | 12                 | 13.8             | 16                | 33.8            | 12                 | 16.7             | 9                 | 5.9             | 10                 | 8.0              | 10                | 5.4             | 9                  | 8.5              |
| 250         | 35884       | 1885         | -42        | .          | 11                | 5.8             | 15                 | 12.7             | 20                | 43.7            | 15                 | 15.4             | 12                | 6.6             | 11                 | 5.6              | 9                 | 3.7             | 9                  | 5.9              |
| 200         | 40723       | 2061         | -54        | .          | 12                | 3.3             | 20                 | 17.9             | 25                | 55.6            | 17                 | 12.2             | 11                | 3.0             | 11                 | 2.7              | 10                | 1.7             | 10                 | 2.9              |
| 150         | 46597       | 1950         | -68        | .          | 13                | 4.1             | 21                 | 14.1             | 39                | 70.3            | 23                 | 7.9              | 11                | 1.9             | 18                 | 0.8              | 0                 | 0.0             | 11                 | 0.4              |
| 100         | 54422       | 1339         | -73        | .          | 13                | 3.0             | 21                 | 13.3             | 30                | 63.8            | 19                 | 11.2             | 12                | 2.0             | 11                 | 2.5              | 18                | 1.9             | 12                 | 1.4              |
| 70          | 61336       | 832          | -68        | .          | 9                 | 5.3             | 15                 | 13.2             | 27                | 48.3            | 13                 | 9.1              | 10                | 4.9             | 10                 | 5.6              | 14                | 7.0             | 13                 | 5.8              |
| 50          | 68018       | 511          | -62        | .          | 11                | 2.7             | 19                 | 10.6             | 30                | 44.1            | 17                 | 11.1             | 8                 | 3.5             | 12                 | 4.9              | 18                | 14.3            | 12                 | 8.2              |
| 30          | 78564       | 320          | -55        | .          | 11                | 1.7             | 31                 | 9.6              | 37                | 52.5            | 19                 | 8.3              | 19                | 8.0             | 13                 | 6.6              | 15                | 8.2             | 15                 | 4.6              |
| 20          | 87257       | 376          | -50        | .          | 7                 | 2.2             | 7                  | 1.8              | 29                | 23.8            | 8                  | 2.8              | 5                 | 0.7             | 9                  | 2.6              | 11                | 9.0             | 11                 | 6.2              |
| 10          | 102140      | 255          | -41        | .          | 14                | 4.5             | 15                 | 3.8              | 58                | 47.7            | 16                 | 5.8              | 10                | 1.6             | 17                 | 5.4              | 22                | 18.0            | 22                 | 12.5             |

AUG Latitude= 5.00 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 21         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 0.9              | 8                 | 62.9            | 6                  | 35.4             | 4                 | 0.6             | 0                  | 0.0              |
| 1000        | 419         | 55           | 27         | 21         | 29                | 0.1             | 0                  | 0.0              | 6                 | 0.1             | 9                  | 9.3              | 10                | 55.8            | 9                  | 31.2             | 9                 | 3.2             | 0                  | 0.0              |
| 850         | 4979        | 199          | 19         | 14         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 4.1              | 13                | 64.9            | 12                 | 30.8             | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10346       | 464          | 9          | 3          | 3                 | 2.5             | 3                  | 1.6              | 5                 | 1.2             | 7                  | 6.1              | 9                 | 19.0            | 10                 | 35.4             | 9                 | 27.7            | 6                  | 5.3              |
| 500         | 19247       | 958          | -6         | -15        | 9                 | 9.3             | 13                 | 39.1             | 12                | 37.2            | 9                  | 6.9              | 8                 | 0.6             | 3                  | 1.1              | 9                 | 0.8             | 7                  | 4.5              |
| 400         | 24871       | 1297         | -17        | -29        | 9                 | 6.4             | 12                 | 17.2             | 14                | 43.0            | 14                 | 20.1             | 8                 | 4.9             | 8                  | 2.4              | 5                 | 2.7             | 8                  | 2.5              |
| 300         | 31749       | 1684         | -32        | -46        | 11                | 4.0             | 17                 | 20.9             | 19                | 48.5            | 17                 | 19.1             | 8                 | 2.2             | 8                  | 1.9              | 7                 | 1.7             | 8                  | 1.1              |
| 250         | 35896       | 1897         | -42        | .          | 10                | 4.0             | 20                 | 17.7             | 23                | 57.9            | 19                 | 14.3             | 9                 | 2.7             | 8                  | 0.8              | 7                 | 0.6             | 5                  | 1.6              |
| 200         | 40740       | 2078         | -54        | .          | 14                | 1.9             | 25                 | 19.5             | 30                | 62.7            | 21                 | 13.2             | 11                | 1.1             | 8                  | 0.4              | 12                | 0.4             | 8                  | 0.4              |
| 150         | 46621       | 1974         | -67        | .          | 10                | 0.8             | 27                 | 14.8             | 39                | 77.9            | 24                 | 5.6              | 12                | 0.6             | 0                  | 0.0              | 6                 | 0.1             | 0                  | 0.0              |
| 100         | 54433       | 1350         | -73        | .          | 12                | 1.1             | 24                 | 13.7             | 33                | 73.7            | 25                 | 8.3              | 13                | 0.6             | 8                  | 0.3              | 13                | 0.8             | 13                 | 1.2              |
| 70          | 61334       | 830          | -68        | .          | 8                 | 3.3             | 14                 | 7.0              | 30                | 66.4            | 19                 | 14.1             | 11                | 2.4             | 8                  | 1.9              | 14                | 2.4             | 10                 | 1.4              |
| 50          | 68017       | 510          | -62        | .          | 9                 | 3.5             | 14                 | 8.0              | 32                | 60.3            | 22                 | 16.1             | 11                | 3.5             | 9                  | 3.7              | 15                | 1.4             | 10                 | 2.9              |
| 30          | 78561       | 317          | -55        | .          | 10                | 3.0             | 22                 | 7.2              | 38                | 63.5            | 23                 | 13.2             | 17                | 8.5             | 10                 | 1.4              | 13                | 1.9             | 11                 | 0.9              |
| 20          | 87266       | 385          | -50        | .          | 7                 | 3.8             | 8                  | 6.5              | 25                | 26.4            | 6                  | 4.0              | 9                 | 2.3             | 5                  | 1.5              | 8                 | 2.8             | 9                  | 1.8              |
| 10          | 102164      | 279          | -41        | .          | 15                | 7.7             | 16                 | 13.2             | 51                | 52.9            | 12                 | 8.0              | 19                | 4.8             | 10                 | 3.2              | 17                | 5.8             | 17                 | 3.8              |

AUG Latitude= 5.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     |     | NE    |      | E     |      | SE    |      | S     |      | SW    |      | W     |      | NW    |     |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) |
| SFC  | .      | .    | 28  | 15  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 12    | 57.4 | 12    | 42.5 | 0     | 0.0  | 0     | 0.0 |
| 1000 | 344    | -20  | 29  | 18  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 15    | 50.3 | 15    | 49.3 | 13    | 0.3  | 0     | 0.0 |
| 850  | 4969   | 189  | 18  | 12  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 22    | 24.8 | 24    | 75.1 | 0     | 0.0  | 0     | 0.0 |
| 700  | 10339  | 457  | 9   | 1   | 5     | 0.6 | 2     | 0.3  | 1     | 0.1  | 11    | 0.8  | 12    | 8.0  | 14    | 46.4 | 12    | 35.6 | 7     | 7.4 |
| 500  | 19245  | 956  | -6  | -16 | 8     | 9.6 | 12    | 35.4 | 10    | 23.8 | 10    | 11.1 | 9     | 4.5  | 7     | 3.5  | 9     | 3.7  | 8     | 7.5 |
| 400  | 24862  | 1288 | -17 | -30 | 10    | 5.4 | 13    | 21.1 | 13    | 32.4 | 14    | 21.4 | 8     | 6.2  | 7     | 3.8  | 8     | 3.8  | 9     | 4.8 |
| 300  | 31755  | 1690 | -32 | -46 | 13    | 4.9 | 15    | 18.8 | 19    | 48.7 | 16    | 18.2 | 8     | 4.0  | 7     | 2.2  | 7     | 1.2  | 6     | 1.4 |
| 250  | 35892  | 1893 | -42 | .   | 12    | 4.1 | 19    | 17.2 | 24    | 54.5 | 18    | 16.2 | 11    | 3.7  | 8     | 1.4  | 7     | 0.8  | 6     | 1.6 |
| 200  | 40734  | 2072 | -54 | .   | 13    | 1.2 | 24    | 15.4 | 30    | 66.4 | 22    | 13.7 | 12    | 1.1  | 11    | 0.4  | 6     | 0.3  | 10    | 0.9 |
| 150  | 46621  | 1974 | -67 | .   | 13    | 0.4 | 24    | 15.3 | 40    | 77.7 | 29    | 5.6  | 11    | 0.4  | 0     | 0.0  | 0     | 0.0  | 7     | 0.3 |
| 100  | 54436  | 1353 | -73 | .   | 10    | 1.4 | 25    | 11.2 | 33    | 78.2 | 28    | 6.4  | 13    | 1.2  | 2     | 0.1  | 7     | 0.6  | 20    | 0.4 |
| 70   | 61345  | 841  | -68 | .   | 9     | 2.9 | 16    | 9.8  | 30    | 69.3 | 18    | 9.8  | 12    | 1.7  | 8     | 1.2  | 12    | 2.5  | 9     | 2.2 |
| 50   | 68025  | 518  | -62 | .   | 10    | 4.6 | 14    | 9.5  | 32    | 62.7 | 22    | 13.3 | 11    | 1.9  | 8     | 2.4  | 12    | 2.5  | 13    | 2.5 |
| 30   | 78576  | 332  | -55 | .   | 14    | 3.5 | 24    | 9.9  | 38    | 61.6 | 24    | 13.0 | 17    | 6.1  | 9     | 2.9  | 14    | 1.6  | 11    | 0.9 |
| 20   | 87277  | 396  | -50 | .   | 8     | 4.9 | 8     | 5.5  | 25    | 26.8 | 7     | 2.8  | 7     | 2.5  | 6     | 1.5  | 8     | 2.8  | 9     | 2.3 |
| 10   | 102165 | 280  | -41 | .   | 17    | 9.9 | 17    | 11.2 | 51    | 53.8 | 14    | 5.8  | 14    | 5.1  | 12    | 3.2  | 16    | 5.8  | 18    | 4.8 |

AUG Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |      | S     |      | SW    |      | W     |      | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 16  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 13    | 20.3 | 15    | 79.6 | 0     | 0.0  | 0     | 0.0  |
| 1000 | 333    | -31  | 29  | 19  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 17    | 27.2 | 18    | 72.7 | 0     | 0.0  | 0     | 0.0  |
| 850  | 4964   | 184  | 18  | 12  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 25    | 8.7  | 26    | 91.2 | 0     | 0.0  | 0     | 0.0  |
| 700  | 10333  | 451  | 9   | 1   | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 10    | 0.4  | 12    | 4.1  | 17    | 58.7 | 16    | 34.6 | 9     | 1.6  |
| 500  | 19239  | 950  | -6  | -15 | 9     | 15.4 | 12    | 28.3 | 9     | 12.7 | 8     | 10.1 | 9     | 6.4  | 8     | 6.7  | 10    | 7.9  | 9     | 11.2 |
| 400  | 24860  | 1286 | -17 | -29 | 9     | 8.2  | 12    | 20.8 | 12    | 25.6 | 13    | 18.3 | 8     | 6.4  | 7     | 6.7  | 10    | 6.9  | 9     | 6.4  |
| 300  | 31756  | 1691 | -32 | -44 | 10    | 4.8  | 15    | 18.5 | 19    | 47.2 | 15    | 16.7 | 8     | 5.3  | 6     | 3.7  | 7     | 1.6  | 7     | 1.7  |
| 250  | 35892  | 1893 | -42 | .   | 10    | 3.7  | 18    | 14.1 | 24    | 58.3 | 17    | 16.1 | 10    | 3.5  | 8     | 1.6  | 8     | 1.1  | 8     | 1.2  |
| 200  | 40736  | 2074 | -54 | .   | 7     | 1.1  | 24    | 14.5 | 30    | 71.4 | 20    | 11.1 | 10    | 0.8  | 15    | 0.4  | 10    | 0.1  | 9     | 0.3  |
| 150  | 46619  | 1972 | -67 | .   | 12    | 0.4  | 24    | 14.1 | 42    | 79.0 | 28    | 5.3  | 14    | 0.4  | 8     | 0.1  | 3     | 0.1  | 6     | 0.1  |
| 100  | 54434  | 1351 | -73 | .   | 11    | 1.2  | 24    | 11.4 | 34    | 77.7 | 25    | 7.4  | 19    | 0.4  | 13    | 0.6  | 1     | 0.1  | 7     | 0.8  |
| 70   | 61347  | 843  | -68 | .   | 11    | 1.9  | 16    | 11.4 | 30    | 70.1 | 18    | 7.4  | 8     | 2.2  | 10    | 0.8  | 13    | 2.4  | 9     | 2.9  |
| 50   | 68029  | 522  | -62 | .   | 10    | 5.1  | 16    | 10.9 | 32    | 64.3 | 21    | 10.1 | 7     | 2.4  | 8     | 1.9  | 14    | 2.5  | 12    | 2.2  |
| 30   | 78582  | 338  | -55 | .   | 15    | 4.1  | 26    | 9.8  | 38    | 60.6 | 22    | 14.1 | 15    | 4.3  | 10    | 3.5  | 11    | 2.2  | 9     | 0.9  |
| 20   | 87283  | 402  | -50 | .   | 8     | 5.4  | 7     | 4.3  | 26    | 26.0 | 6     | 3.8  | 5     | 1.7  | 6     | 2.2  | 7     | 3.3  | 9     | 2.6  |
| 10   | 102174 | 289  | -41 | .   | 17    | 10.9 | 15    | 8.7  | 53    | 52.2 | 13    | 7.7  | 11    | 3.5  | 12    | 4.5  | 15    | 6.7  | 17    | 5.4  |

SEP Latitude=-2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N   | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 27  | 18  | 0     | 0.0 | 0     | 0.0  | 12    | 39.6 | 9     | 2.9  | 0     |
| 1000 | 382    | 18   | 25  | 20  | 0     | 0.0 | 3     | 0.3  | 13    | 36.0 | 10    | 1.6  | 0     |
| 850  | 4991   | 211  | 16  | 9   | 0     | 0.0 | 11    | 1.1  | 15    | 35.3 | 12    | 0.3  | 0     |
| 700  | 10340  | 458  | 9   | -2  | 4     | 1.5 | 9     | 12.1 | 10    | 29.5 | 8     | 19.3 | 9     |
| 500  | 19232  | 943  | -6  | -18 | 7     | 6.0 | 11    | 22.3 | 10    | 21.7 | 7     | 7.8  | 7     |
| 400  | 24857  | 1283 | -16 | -30 | 8     | 5.8 | 12    | 22.7 | 12    | 27.7 | 7     | 9.1  | 8     |
| 300  | 31761  | 1696 | -32 | -46 | 9     | 8.1 | 11    | 17.6 | 11    | 18.3 | 9     | 10.6 | 9     |
| 250  | 35892  | 1893 | -42 | .   | 12    | 9.6 | 11    | 10.6 | 12    | 12.6 | 10    | 9.8  | 11    |
| 200  | 40730  | 2068 | -54 | .   | 11    | 8.6 | 15    | 13.5 | 12    | 12.0 | 12    | 7.3  | 13    |
| 150  | 46612  | 1965 | -67 | .   | 10    | 8.3 | 14    | 18.3 | 12    | 8.0  | 13    | 9.5  | 15    |
| 100  | 54408  | 1325 | -74 | .   | 9     | 8.3 | 11    | 12.3 | 11    | 11.3 | 11    | 12.0 | 15    |
| 70   | 61282  | 778  | -69 | .   | 8     | 4.3 | 17    | 5.5  | 12    | 3.3  | 7     | 2.3  | 10    |
| 50   | 67934  | 427  | -62 | .   | 11    | 1.5 | 16    | 12.6 | 13    | 4.1  | 9     | 1.1  | 14    |
| 30   | 78461  | 217  | -55 | .   | 13    | 0.6 | 23    | 6.3  | 15    | 4.1  | 16    | 2.1  | 18    |
| 20   | 87166  | 285  | -50 | .   | 2     | 0.1 | 5     | 0.6  | 8     | 1.2  | 9     | 3.9  | 18    |
| 10   | 102093 | 208  | -40 | .   | 4     | 0.3 | 11    | 1.3  | 16    | 2.6  | 19    | 7.9  | 37    |

SEP Latitude=-2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 25  | 22  | 0     | 0.0  | 0     | 0.3  | 10    | 12.6 | 14    | 3.3  | 0     |
| 1000 | 378    | 14   | 24  | 22  | 0     | 0.0  | 7     | 0.5  | 11    | 23.7 | 13    | 4.0  | 0     |
| 850  | 4984   | 204  | 17  | 9   | 0     | 0.0  | 15    | 1.1  | 16    | 50.9 | 12    | 1.3  | 0     |
| 700  | 10335  | 453  | 9   | -4  | 6     | 0.6  | 10    | 8.1  | 12    | 30.3 | 10    | 18.5 | 12    |
| 500  | 19232  | 943  | -6  | -17 | 8     | 7.3  | 7     | 8.1  | 10    | 17.3 | 8     | 10.5 | 9     |
| 400  | 24860  | 1286 | -17 | -29 | 7     | 6.5  | 12    | 22.8 | 12    | 26.5 | 8     | 9.3  | 10    |
| 300  | 31766  | 1701 | -32 | -45 | 10    | 7.3  | 11    | 10.3 | 12    | 17.8 | 10    | 8.3  | 12    |
| 250  | 35894  | 1895 | -42 | .   | 11    | 8.8  | 12    | 13.3 | 13    | 14.3 | 11    | 9.6  | 13    |
| 200  | 40733  | 2071 | -54 | .   | 12    | 10.1 | 15    | 14.5 | 13    | 12.1 | 10    | 8.0  | 14    |
| 150  | 46613  | 1966 | -68 | .   | 13    | 8.5  | 16    | 19.6 | 14    | 6.1  | 13    | 7.1  | 14    |
| 100  | 54409  | 1326 | -74 | .   | 9     | 12.3 | 12    | 14.1 | 11    | 11.3 | 10    | 10.0 | 17    |
| 70   | 61285  | 781  | -69 | .   | 10    | 4.5  | 18    | 7.1  | 10    | 3.1  | 7     | 2.6  | 13    |
| 50   | 67941  | 434  | -62 | .   | 13    | 2.0  | 18    | 12.5 | 12    | 3.5  | 8     | 1.8  | 14    |
| 30   | 78465  | 221  | -55 | .   | 8     | 1.1  | 28    | 7.6  | 15    | 3.1  | 11    | 2.3  | 18    |
| 20   | 87166  | 285  | -50 | .   | 5     | 0.2  | 7     | 0.4  | 7     | 0.9  | 9     | 4.2  | 20    |
| 10   | 102095 | 210  | -40 | .   | 11    | 0.6  | 13    | 0.9  | 15    | 1.9  | 14    | 5.6  | 41    |

SEP Latitude=-2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 25  | 22  | 0     | 0.0  | 0     | 0.0  | 11    | 72.6 | 0     | 0.0  |
| 1000 | 368    | 4    | 24  | 22  | 0     | 0.0  | 8     | 1.3  | 13    | 53.7 | 0     | 0.0  |
| 850  | 4976   | 196  | 17  | 9   | 0     | 0.0  | 15    | 3.0  | 14    | 31.2 | 0     | 0.0  |
| 700  | 10330  | 448  | 10  | -5  | 3     | 0.8  | 10    | 12.0 | 11    | 28.2 | 10    | 8.0  |
| 500  | 19230  | 941  | -6  | -16 | 8     | 7.3  | 12    | 19.0 | 9     | 13.1 | 10    | 9.3  |
| 400  | 24858  | 1284 | -17 | -28 | 7     | 7.0  | 12    | 21.5 | 10    | 11.1 | 10    | 10.0 |
| 300  | 31764  | 1699 | -32 | -44 | 9     | 7.6  | 13    | 21.3 | 12    | 9.1  | 12    | 10.8 |
| 250  | 35893  | 1894 | -42 | .   | 10    | 9.6  | 16    | 23.5 | 14    | 10.3 | 14    | 10.1 |
| 200  | 40733  | 2071 | -54 | .   | 12    | 11.1 | 16    | 19.5 | 12    | 12.1 | 14    | 10.1 |
| 150  | 46612  | 1965 | -68 | .   | 13    | 8.6  | 20    | 27.5 | 11    | 7.3  | 17    | 10.8 |
| 100  | 54408  | 1325 | -74 | .   | 10    | 11.3 | 24    | 35.3 | 14    | 4.8  | 13    | 13.6 |
| 70   | 61287  | 783  | -69 | .   | 12    | 5.8  | 21    | 22.2 | 10    | 7.5  | 15    | 31.3 |
| 50   | 67945  | 438  | -62 | .   | 15    | 3.0  | 22    | 35.0 | 12    | 2.8  | 12    | 11.5 |
| 30   | 78472  | 228  | -55 | .   | 9     | 0.8  | 39    | 46.0 | 18    | 2.6  | 14    | 6.8  |
| 20   | 87173  | 292  | -50 | .   | 6     | 0.6  | 27    | 19.6 | 17    | 10.3 | 25    | 23.8 |
| 10   | 102101 | 216  | -40 | .   | 12    | 1.3  | 55    | 39.3 | 16    | 5.9  | 40    | 44.3 |

SEP Latitude= 0.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 17  | 0     | 0.0 | 1     | 0.3  | 9     | 66.9 | 0     | 0.0  |
| 1000 | 354    | -10  | 27  | 18  | 0     | 0.0 | 0     | 0.0  | 12    | 51.0 | 0     | 0.0  |
| 850  | 4982   | 202  | 17  | 11  | 0     | 0.0 | 14    | 0.1  | 18    | 69.2 | 0     | 0.0  |
| 700  | 10338  | 456  | 9   | -1  | 5     | 1.3 | 7     | 9.6  | 10    | 30.8 | 9     | 7.6  |
| 500  | 19231  | 942  | -6  | -18 | 7     | 7.5 | 10    | 28.7 | 7     | 6.8  | 8     | 5.3  |
| 400  | 24855  | 1281 | -16 | -30 | 9     | 7.6 | 12    | 30.8 | 7     | 4.1  | 7     | 4.0  |
| 300  | 31761  | 1696 | -32 | -46 | 9     | 7.8 | 12    | 23.2 | 8     | 13.5 | 10    | 8.3  |
| 250  | 35894  | 1895 | -42 | .   | 11    | 9.1 | 15    | 18.6 | 10    | 9.6  | 12    | 10.6 |
| 200  | 40733  | 2071 | -54 | .   | 11    | 5.6 | 16    | 15.0 | 10    | 7.6  | 14    | 10.0 |
| 150  | 46613  | 1966 | -67 | .   | 11    | 6.6 | 16    | 14.6 | 11    | 5.3  | 13    | 8.0  |
| 100  | 54411  | 1328 | -74 | .   | 10    | 7.0 | 23    | 40.4 | 13    | 6.5  | 13    | 9.3  |
| 70   | 61285  | 781  | -69 | .   | 7     | 4.8 | 23    | 26.8 | 7     | 5.1  | 14    | 26.5 |
| 50   | 67940  | 433  | -62 | .   | 10    | 3.3 | 22    | 38.3 | 10    | 5.1  | 21    | 22.5 |
| 30   | 78470  | 226  | -56 | .   | 9     | 1.5 | 37    | 49.7 | 13    | 4.5  | 23    | 16.1 |
| 20   | 87171  | 290  | -50 | .   | 6     | 0.4 | 30    | 20.2 | 9     | 2.4  | 17    | 13.9 |
| 10   | 102089 | 204  | -40 | .   | 11    | 0.9 | 60    | 40.6 | 18    | 4.9  | 33    | 27.9 |

SEP Latitude= 0.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 20         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 6.3              | 10                | 89.6            | 9                  | 3.9              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 361         | -3           | 25         | 21         | 0                 | 0.0             | 0                  | 0.0              | 3                 | 0.1             | 13                 | 14.0             | 14                | 82.1            | 11                 | 3.6              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4980        | 200          | 17         | 9          | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 17                 | 24.2             | 17                | 67.6            | 15                 | 8.1              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10334       | 452          | 9          | -3         | 3                 | 0.8             | 5                  | 1.6              | 9                 | 5.0             | 11                 | 28.0             | 11                | 29.0            | 11                 | 23.5             | 12                | 10.1            | 6                  | 1.3              |
| 500         | 19230       | 941          | -6         | -17        | 8                 | 9.6             | 8                  | 15.0             | 10                | 24.3            | 10                 | 17.0             | 8                 | 11.3            | 7                  | 7.8              | 9                 | 6.6             | 10                 | 7.8              |
| 400         | 24858       | 1284         | -16        | -29        | 8                 | 6.0             | 8                  | 10.8             | 12                | 28.0            | 11                 | 24.5             | 9                 | 10.6            | 9                  | 7.0              | 7                 | 6.3             | 8                  | 5.5              |
| 300         | 31765       | 1700         | -32        | -45        | 9                 | 8.6             | 10                 | 11.0             | 12                | 25.0            | 12                 | 20.0             | 10                | 11.6            | 9                  | 8.0              | 10                | 9.5             | 8                  | 5.6              |
| 250         | 35895       | 1896         | -42        | .          | 11                | 7.3             | 12                 | 12.6             | 15                | 24.0            | 14                 | 19.3             | 10                | 10.3            | 11                 | 8.1              | 12                | 9.6             | 11                 | 8.1              |
| 200         | 40733       | 2071         | -54        | .          | 11                | 6.6             | 16                 | 15.0             | 19                | 30.8            | 15                 | 18.1             | 9                 | 9.0             | 12                 | 6.8              | 15                | 7.5             | 11                 | 5.6              |
| 150         | 46612       | 1965         | -68        | .          | 13                | 8.0             | 17                 | 15.3             | 24                | 41.4            | 16                 | 9.1              | 13                | 5.3             | 11                 | 6.3              | 12                | 6.5             | 14                 | 7.3              |
| 100         | 54410       | 1327         | -74        | .          | 10                | 9.0             | 14                 | 16.8             | 16                | 30.2            | 11                 | 12.0             | 12                | 6.6             | 11                 | 8.3              | 12                | 8.8             | 13                 | 7.5              |
| 70          | 61287       | 783          | -69        | .          | 8                 | 6.8             | 18                 | 6.6              | 23                | 27.0            | 9                  | 4.8              | 8                 | 3.8             | 10                 | 10.3             | 14                | 26.5            | 12                 | 13.1             |
| 50          | 67944       | 437          | -62        | .          | 13                | 3.0             | 17                 | 12.3             | 22                | 35.2            | 13                 | 7.6              | 8                 | 4.1             | 12                 | 6.1              | 20                | 25.5            | 18                 | 5.8              |
| 30          | 78468       | 224          | -56        | .          | 9                 | 1.3             | 24                 | 9.1              | 38                | 46.5            | 15                 | 4.8              | 16                | 3.5             | 15                 | 11.6             | 24                | 18.3            | 27                 | 4.5              |
| 20          | 87170       | 289          | -50        | .          | 4                 | 0.1             | 2                  | 0.2              | 30                | 20.1            | 9                  | 0.2              | 6                 | 0.9             | 8                  | 2.9              | 17                | 20.1            | 18                 | 4.7              |
| 10          | 102088      | 203          | -40        | .          | 8                 | 0.3             | 3                  | 0.6              | 60                | 40.3            | 19                 | 0.6              | 13                | 1.9             | 16                 | 5.9              | 34                | 40.3            | 36                 | 9.6              |

SEP Latitude= 0.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 25         | 23         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 9                  | 4.6              | 11                | 66.6            | 12                 | 28.6             | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 363         | -1           | 24         | 22         | 0                 | 0.0             | 0                  | 0.0              | 2                 | 0.3             | 10                 | 13.3             | 13                | 66.9            | 13                 | 18.8             | 3                 | 0.3             | 4                  | 0.1              |
| 850         | 4971        | 191          | 17         | 9          | 0                 | 0.0             | 0                  | 0.0              | 12                | 1.1             | 16                 | 31.2             | 15                | 53.4            | 15                 | 13.8             | 10                | 0.3             | 0                  | 0.0              |
| 700         | 10329       | 447          | 10         | -3         | 7                 | 0.8             | 7                  | 1.1              | 8                 | 8.3             | 10                 | 24.5             | 11                | 24.0            | 12                 | 25.7             | 11                | 12.6            | 8                  | 2.0              |
| 500         | 19229       | 940          | -6         | -16        | 8                 | 9.8             | 9                  | 15.6             | 11                | 19.1            | 9                  | 14.5             | 9                 | 10.1            | 9                  | 10.8             | 10                | 11.3            | 10                 | 7.8              |
| 400         | 24859       | 1285         | -16        | -28        | 8                 | 5.8             | 8                  | 10.0             | 12                | 24.7            | 11                 | 20.7             | 9                 | 12.3            | 9                  | 9.3              | 8                 | 8.1             | 8                  | 7.1              |
| 300         | 31766       | 1701         | -32        | -44        | 9                 | 5.5             | 10                 | 14.8             | 13                | 26.2            | 12                 | 19.3             | 10                | 7.8             | 10                 | 9.5              | 11                | 7.5             | 9                  | 8.6              |
| 250         | 35896       | 1897         | -42        | .          | 11                | 6.6             | 16                 | 13.8             | 16                | 27.0            | 14                 | 21.8             | 11                | 7.0             | 11                 | 5.6              | 13                | 8.1             | 11                 | 8.8              |
| 200         | 40735       | 2073         | -54        | .          | 11                | 5.8             | 15                 | 19.1             | 20                | 34.5            | 15                 | 15.5             | 13                | 7.1             | 11                 | 4.8              | 14                | 6.6             | 13                 | 5.8              |
| 150         | 46613       | 1966         | -68        | .          | 13                | 7.1             | 18                 | 18.0             | 25                | 44.0            | 15                 | 10.0             | 13                | 4.3             | 12                 | 5.1              | 13                | 4.5             | 14                 | 6.5              |
| 100         | 54411       | 1328         | -74        | .          | 10                | 10.0            | 14                 | 17.6             | 17                | 30.2            | 14                 | 10.6             | 9                 | 7.3             | 13                 | 6.1              | 12                | 8.0             | 13                 | 9.3              |
| 70          | 61291       | 787          | -69        | .          | 10                | 9.3             | 18                 | 7.0              | 23                | 26.5            | 11                 | 4.0              | 7                 | 3.8             | 11                 | 9.8              | 13                | 27.0            | 11                 | 12.0             |
| 50          | 67950       | 443          | -62        | .          | 15                | 3.0             | 18                 | 13.6             | 23                | 33.5            | 14                 | 8.6              | 9                 | 3.0             | 11                 | 7.5              | 22                | 25.8            | 15                 | 4.5              |
| 30          | 78474       | 230          | -55        | .          | 11                | 0.8             | 31                 | 9.1              | 38                | 45.5            | 19                 | 4.8              | 14                | 3.6             | 17                 | 10.6             | 23                | 21.7            | 15                 | 3.3              |
| 20          | 87175       | 294          | -50        | .          | 5                 | 0.2             | 1                  | 0.1              | 30                | 19.7            | 10                 | 0.1              | 5                 | 0.4             | 8                  | 1.7              | 18                | 23.4            | 10                 | 3.6              |
| 10          | 102098      | 213          | -40        | .          | 10                | 0.6             | 3                  | 0.3              | 60                | 39.6            | 20                 | 0.3              | 10                | 0.9             | 16                 | 3.6              | 36                | 46.9            | 21                 | 7.3              |

SEP Latitude= 2.50 Longitude= 40.00

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC  | .           | .            | 27         | 16         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 8                  | 18.9             | 9                 | 80.3            | 5                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000 | 366         | 2            | 27         | 19         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 11                 | 30.7             | 11                | 67.9            | 9                  | 1.3              | 0                 | 0.0             | 0                  | 0.0              |
| 850  | 4977        | 197          | 18         | 13         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 17                 | 22.2             | 16                | 77.4            | 11                 | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 700  | 10337       | 455          | 9          | 1          | 4                 | 4.5             | 6                  | 5.8              | 8                 | 12.5            | 10                 | 24.2             | 10                | 24.7            | 8                  | 12.1             | 7                 | 10.6            | 7                  | 4.3              |
| 500  | 19237       | 948          | -6         | -17        | 7                 | 7.8             | 9                  | 22.7             | 11                | 40.5            | 11                 | 16.8             | 6                 | 3.1             | 4                  | 0.8              | 5                 | 2.0             | 8                  | 5.0              |
| 400  | 24857       | 1283         | -16        | -29        | 8                 | 4.3             | 10                 | 16.1             | 13                | 39.2            | 12                 | 21.7             | 8                 | 6.5             | 7                  | 3.6              | 8                 | 2.6             | 7                  | 5.1              |
| 300  | 31756       | 1691         | -32        | -46        | 10                | 4.8             | 12                 | 14.8             | 13                | 33.7            | 14                 | 22.3             | 10                | 8.8             | 8                  | 5.5              | 10                | 6.0             | 7                  | 3.6              |
| 250  | 35895       | 1896         | -42        | .          | 11                | 4.8             | 15                 | 16.0             | 17                | 28.0            | 15                 | 21.8             | 11                | 8.6             | 10                 | 7.3              | 12                | 7.3             | 9                  | 5.8              |
| 200  | 40736       | 2074         | -54        | .          | 11                | 5.5             | 18                 | 16.0             | 21                | 36.2            | 17                 | 21.3             | 11                | 6.3             | 15                 | 6.8              | 14                | 4.0             | 12                 | 2.8              |
| 150  | 46617       | 1970         | -67        | .          | 10                | 5.3             | 17                 | 17.5             | 27                | 48.0            | 15                 | 14.8             | 10                | 4.1             | 9                  | 2.6              | 10                | 2.8             | 13                 | 4.3              |
| 100  | 54413       | 1330         | -74        | .          | 9                 | 4.5             | 15                 | 17.3             | 19                | 49.5            | 15                 | 13.0             | 13                | 3.6             | 14                 | 5.6              | 14                | 2.6             | 13                 | 3.5              |
| 70   | 61287       | 783          | -69        | .          | 7                 | 5.1             | 13                 | 11.6             | 23                | 38.2            | 9                  | 13.6             | 8                 | 6.5             | 13                 | 6.1              | 10                | 10.3            | 8                  | 7.1              |
| 50   | 67946       | 439          | -62        | .          | 10                | 3.1             | 14                 | 8.8              | 24                | 43.2            | 11                 | 11.6             | 10                | 7.5             | 11                 | 5.8              | 16                | 12.8            | 18                 | 6.5              |
| 30   | 78476       | 232          | -55        | .          | 20                | 2.5             | 19                 | 7.3              | 36                | 52.4            | 14                 | 7.6              | 12                | 5.5             | 13                 | 8.8              | 20                | 9.3             | 25                 | 6.1              |
| 20   | 87181       | 300          | -50        | .          | 18                | 1.2             | 5                  | 0.2              | 29                | 20.7            | 9                  | 1.7              | 8                 | 1.1             | 10                 | 2.2              | 14                | 13.9            | 16                 | 8.1              |
| 10   | 102092      | 207          | -40        | .          | 37                | 2.6             | 11                 | 0.6              | 58                | 41.6            | 18                 | 3.6              | 17                | 2.3             | 20                 | 4.6              | 29                | 27.9            | 32                 | 16.3             |

SEP Latitude= 2.50 Longitude= 42.50

| LVL  | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC  | .           | .            | 27         | 18         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 7                  | 4.3              | 10                | 85.3            | 10                 | 10.3             | 0                 | 0.0             | 0                  | 0.0              |
| 1000 | 349         | -15          | 27         | 20         | 0                 | 0.0             | 0                  | 0.0              | 3                 | 0.1             | 10                 | 3.3              | 13                | 80.8            | 13                 | 15.6             | 0                 | 0.0             | 0                  | 0.0              |
| 850  | 4974        | 194          | 17         | 12         | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 13                 | 2.8              | 17                | 66.4            | 17                 | 30.7             | 0                 | 0.0             | 0                  | 0.0              |
| 700  | 10336       | 454          | 9          | 0          | 5                 | 2.1             | 5                  | 2.3              | 7                 | 4.6             | 9                  | 18.1             | 10                | 31.0            | 11                 | 22.5             | 10                | 14.3            | 7                  | 4.3              |
| 500  | 19231       | 942          | -6         | -17        | 8                 | 11.5            | 9                  | 21.0             | 11                | 28.5            | 10                 | 18.0             | 8                 | 4.5             | 5                  | 3.1              | 7                 | 5.6             | 8                  | 7.0              |
| 400  | 24858       | 1284         | -16        | -29        | 8                 | 4.3             | 10                 | 14.5             | 13                | 34.5            | 12                 | 22.5             | 8                 | 5.0             | 8                  | 5.6              | 7                 | 6.3             | 8                  | 6.6              |
| 300  | 31760       | 1695         | -32        | -45        | 10                | 4.1             | 13                 | 15.3             | 14                | 30.8            | 14                 | 22.8             | 10                | 8.5             | 10                 | 6.1              | 10                | 5.0             | 8                  | 6.1              |
| 250  | 35895       | 1896         | -42        | .          | 11                | 5.8             | 15                 | 14.3             | 18                | 30.2            | 16                 | 22.3             | 13                | 9.5             | 11                 | 5.8              | 12                | 6.6             | 10                 | 4.6              |
| 200  | 40737       | 2075         | -54        | .          | 11                | 5.1             | 19                 | 14.0             | 21                | 41.2            | 16                 | 20.5             | 13                | 8.5             | 15                 | 3.3              | 13                | 4.5             | 11                 | 2.5              |
| 150  | 46618       | 1971         | -68        | .          | 13                | 7.0             | 17                 | 18.5             | 27                | 49.9            | 17                 | 13.0             | 11                | 3.6             | 11                 | 1.8              | 8                 | 1.8             | 11                 | 3.8              |
| 100  | 54412       | 1329         | -74        | .          | 11                | 5.5             | 17                 | 17.3             | 19                | 47.9            | 15                 | 13.3             | 11                | 4.8             | 14                 | 3.3              | 15                | 3.5             | 13                 | 4.1              |
| 70   | 61291       | 787          | -69        | .          | 8                 | 5.1             | 12                 | 15.0             | 23                | 38.3            | 9                  | 10.8             | 8                 | 5.6             | 10                 | 6.1              | 10                | 10.1            | 10                 | 7.5              |
| 50   | 67951       | 444          | -62        | .          | 10                | 3.3             | 17                 | 10.8             | 23                | 41.5            | 15                 | 11.5             | 8                 | 5.6             | 10                 | 6.1              | 17                | 13.6            | 14                 | 6.5              |
| 30   | 78481       | 237          | -55        | .          | 13                | 2.5             | 22                 | 9.1              | 37                | 49.7            | 15                 | 7.0              | 14                | 7.0             | 15                 | 9.0              | 19                | 8.6             | 18                 | 6.5              |
| 20   | 87182       | 301          | -50        | .          | 9                 | 2.1             | 6                  | 0.4              | 30                | 20.2            | 2                  | 0.2              | 5                 | 0.4             | 9                  | 1.2              | 14                | 17.6            | 13                 | 7.1              |
| 10   | 102097      | 212          | -40        | .          | 17                | 4.3             | 12                 | 0.9              | 60                | 40.6            | 5                  | 0.6              | 10                | 0.9             | 17                 | 2.6              | 28                | 35.3            | 27                 | 14.3             |

SEP Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SEC  | .      | .    | 28  | 19  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  | 12    | 31.6 | 0     |
| 1000 | 337    | -27  | 27  | 20  | 0     | 0.0  | 3     | 0.1  | 10    | 2.0  | 15    | 70.7 | 5     |
| 850  | 4965   | 185  | 17  | 11  | 2     | 0.1  | 10    | 0.1  | 13    | 3.5  | 16    | 44.2 | 17    |
| 700  | 10330  | 448  | 9   | -1  | 6     | 1.0  | 7     | 3.8  | 8     | 13.8 | 9     | 23.7 | 12    |
| 500  | 19229  | 940  | -6  | -16 | 9     | 12.6 | 11    | 23.0 | 9     | 11.3 | 7     | 4.3  | 10    |
| 400  | 24858  | 1284 | -16 | -29 | 7     | 5.6  | 13    | 30.0 | 10    | 19.5 | 9     | 8.8  | 9     |
| 300  | 31762  | 1697 | -32 | -44 | 9     | 4.5  | 15    | 32.3 | 13    | 20.3 | 10    | 5.3  | 10    |
| 250  | 35896  | 1897 | -42 | .   | 9     | 5.1  | 16    | 13.1 | 15    | 24.0 | 10    | 6.0  | 14    |
| 200  | 40737  | 2075 | -54 | .   | 12    | 4.1  | 17    | 14.8 | 17    | 18.6 | 11    | 3.6  | 13    |
| 150  | 46615  | 1968 | -68 | .   | 14    | 6.0  | 17    | 16.0 | 16    | 12.6 | 9     | 2.1  | 7     |
| 100  | 54410  | 1327 | -74 | .   | 11    | 6.1  | 17    | 19.3 | 14    | 12.3 | 10    | 2.5  | 11    |
| 70   | 61291  | 787  | -69 | .   | 7     | 7.8  | 14    | 16.1 | 10    | 8.0  | 9     | 5.5  | 10    |
| 50   | 67951  | 444  | -62 | .   | 10    | 4.0  | 18    | 12.1 | 15    | 10.8 | 9     | 5.3  | 10    |
| 30   | 78480  | 236  | -55 | .   | 9     | 2.8  | 25    | 8.5  | 18    | 8.1  | 17    | 9.6  | 16    |
| 20   | 87181  | 300  | -50 | .   | 7     | 1.6  | 7     | 0.1  | 0     | 0.0  | 10    | 0.1  | 14    |
| 10   | 102100 | 215  | -40 | .   | 15    | 3.3  | 14    | 0.3  | 0     | 0.0  | 19    | 3.9  | 28    |

SEP Latitude= 5.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N   | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SEC  | .      | .    | 21  | 13  | 0     | 0.0 | 0     | 0.0  | 6     | 7.6  | 5     | 27.6 | 5     |
| 1000 | 398    | 34   | 28  | 21  | 0     | 0.0 | 2     | 0.1  | 9     | 21.5 | 8     | 23.3 | 8     |
| 850  | 4962   | 182  | 19  | 14  | 0     | 0.0 | 7     | 0.5  | 11    | 14.6 | 10    | 18.8 | 0     |
| 700  | 10339  | 457  | 9   | 4   | 5     | 5.3 | 5     | 6.8  | 8     | 19.3 | 7     | 15.0 | 7     |
| 500  | 19239  | 950  | -6  | -17 | 8     | 8.8 | 11    | 32.0 | 11    | 9.6  | 3     | 0.5  | 2     |
| 400  | 24871  | 1297 | -16 | -29 | 8     | 3.8 | 11    | 14.5 | 11    | 19.0 | 4     | 1.8  | 8     |
| 300  | 31754  | 1689 | -32 | -45 | 7     | 4.6 | 15    | 15.3 | 15    | 25.5 | 10    | 3.3  | 10    |
| 250  | 35905  | 1906 | -42 | .   | 9     | 4.0 | 16    | 18.6 | 16    | 21.3 | 10    | 4.0  | 11    |
| 200  | 40750  | 2088 | -54 | .   | 11    | 4.3 | 20    | 16.8 | 17    | 16.5 | 11    | 3.1  | 12    |
| 150  | 46628  | 1981 | -67 | .   | 11    | 2.5 | 21    | 17.3 | 17    | 11.6 | 8     | 1.3  | 10    |
| 100  | 54416  | 1333 | -75 | .   | 14    | 2.6 | 18    | 14.1 | 17    | 11.5 | 10    | 2.1  | 10    |
| 70   | 61287  | 783  | -69 | .   | 9     | 3.0 | 13    | 13.8 | 15    | 14.8 | 9     | 4.5  | 10    |
| 50   | 67952  | 445  | -62 | .   | 11    | 4.0 | 16    | 8.6  | 15    | 16.3 | 10    | 5.3  | 9     |
| 30   | 78481  | 237  | -55 | .   | 17    | 3.8 | 19    | 8.0  | 16    | 10.5 | 18    | 3.1  | 18    |
| 20   | 87190  | 309  | -50 | .   | 12    | 2.7 | 12    | 2.6  | 8     | 1.4  | 10    | 1.6  | 10    |
| 10   | 102110 | 225  | -40 | .   | 25    | 5.6 | 25    | 5.3  | 17    | 2.9  | 20    | 3.3  | 21    |

SEP Latitude= 5.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 16  | 0     | 0.0  | 0     | 0.0  | 7     | 0.3  | 10    | 71.9 |
| 1000 | 324    | -40  | 29  | 19  | 0     | 0.0  | 0     | 0.0  | 8     | 1.8  | 13    | 67.1 |
| 850  | 4956   | 176  | 19  | 13  | 0     | 0.0  | 0     | 0.0  | 9     | 1.1  | 17    | 44.5 |
| 700  | 10335  | 453  | 9   | 2   | 6     | 7.5  | 5     | 5.1  | 6     | 8.3  | 8     | 14.6 |
| 500  | 19239  | 950  | -6  | -18 | 8     | 13.1 | 11    | 35.7 | 8     | 13.3 | 5     | 0.1  |
| 400  | 24863  | 1289 | -16 | -30 | 9     | 5.8  | 13    | 44.7 | 7     | 16.5 | 8     | 2.0  |
| 300  | 31763  | 1698 | -32 | -46 | 8     | 4.1  | 17    | 39.2 | 10    | 7.1  | 8     | 2.5  |
| 250  | 35902  | 1903 | -42 | .   | 12    | 3.5  | 19    | 41.5 | 12    | 22.3 | 15    | 2.3  |
| 200  | 40746  | 2084 | -54 | .   | 13    | 2.8  | 25    | 48.7 | 14    | 7.1  | 13    | 2.8  |
| 150  | 46630  | 1983 | -67 | .   | 14    | 3.8  | 30    | 60.6 | 9     | 4.0  | 8     | 0.8  |
| 100  | 54419  | 1336 | -74 | .   | 14    | 2.3  | 24    | 62.6 | 11    | 1.8  | 14    | 1.6  |
| 70   | 61297  | 793  | -69 | .   | 8     | 3.5  | 23    | 60.7 | 10    | 2.8  | 7     | 2.1  |
| 50   | 67958  | 451  | -62 | .   | 8     | 4.1  | 25    | 55.4 | 9     | 3.0  | 10    | 2.1  |
| 30   | 78494  | 250  | -55 | .   | 9     | 3.8  | 35    | 58.5 | 14    | 6.1  | 17    | 4.0  |
| 20   | 87199  | 318  | -50 | .   | 7     | 2.7  | 26    | 22.2 | 2     | 0.2  | 9     | 1.1  |
| 10   | 102114 | 229  | -40 | .   | 14    | 5.6  | 52    | 44.6 | 4     | 0.6  | 17    | 2.3  |

SEP Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 17  | 0     | 0.0  | 0     | 0.0  | 10    | 0.3  | 12    | 46.6 |
| 1000 | 316    | -48  | 29  | 19  | 0     | 0.0  | 1     | 0.1  | 12    | 2.0  | 15    | 49.9 |
| 850  | 4954   | 174  | 19  | 13  | 0     | 0.0  | 0     | 0.0  | 10    | 0.5  | 19    | 76.2 |
| 700  | 10332  | 450  | 9   | 2   | 6     | 2.6  | 5     | 1.5  | 6     | 4.3  | 8     | 13.6 |
| 500  | 19236  | 947  | -6  | -17 | 9     | 16.0 | 10    | 25.0 | 8     | 13.3 | 7     | 4.0  |
| 400  | 24863  | 1289 | -16 | -30 | 8     | 7.6  | 13    | 37.7 | 7     | 15.6 | 5     | 2.5  |
| 300  | 31764  | 1699 | -32 | -45 | 11    | 3.3  | 16    | 43.4 | 9     | 6.6  | 9     | 2.1  |
| 250  | 35903  | 1904 | -42 | .   | 12    | 3.8  | 20    | 43.7 | 11    | 6.5  | 10    | 3.6  |
| 200  | 40748  | 2086 | -54 | .   | 11    | 2.5  | 25    | 54.4 | 14    | 5.5  | 12    | 3.0  |
| 150  | 46630  | 1983 | -68 | .   | 14    | 4.5  | 31    | 59.9 | 15    | 1.5  | 11    | 0.5  |
| 100  | 54417  | 1334 | -74 | .   | 13    | 2.6  | 24    | 64.7 | 12    | 1.3  | 14    | 0.8  |
| 70   | 61299  | 795  | -69 | .   | 8     | 2.5  | 23    | 61.9 | 13    | 9.3  | 5     | 2.3  |
| 50   | 67960  | 453  | -62 | .   | 7     | 3.8  | 25    | 55.4 | 10    | 2.8  | 10    | 2.5  |
| 30   | 78497  | 253  | -55 | .   | 11    | 3.1  | 34    | 59.2 | 13    | 6.5  | 17    | 5.6  |
| 20   | 87202  | 321  | -50 | .   | 7     | 1.9  | 25    | 23.9 | 5     | 0.4  | 9     | 2.6  |
| 10   | 102121 | 236  | -40 | .   | 15    | 3.9  | 50    | 47.9 | 10    | 0.9  | 19    | 5.3  |

OCT Latitude=-2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N   | NE  | NE   | E   | E    | SE  | SE   | S   | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  |        |      | 27  | 19  | 0   | 0.0 | 0   | 0.0  | 8   | 2.5  | 11  | 45.1 | 6   | 50.9 | 7   | 1.2  | 0   | 0.0  | 0   |
| 1000 | 345    | -19  | 26  | 21  | 0   | 0.0 | 0   | 0.0  | 8   | 4.2  | 12  | 53.7 | 10  | 41.1 | 9   | 0.8  | 0   | 0.0  | 0   |
| 850  | 4973   | 193  | 17  | 12  | 7   | 0.3 | 6   | 1.9  | 9   | 12.5 | 12  | 51.6 | 14  | 33.1 | 11  | 0.1  | 1   | 0.1  | 0   |
| 700  | 10336  | 454  | 9   | -0  | 6   | 5.0 | 6   | 7.6  | 10  | 31.3 | 9   | 29.9 | 7   | 11.9 | 6   | 6.5  | 5   | 4.7  | 4   |
| 500  | 19232  | 943  | -6  | -17 | 7   | 5.3 | 10  | 15.8 | 11  | 37.0 | 10  | 20.7 | 7   | 6.0  | 5   | 4.0  | 6   | 6.0  | 6   |
| 400  | 24862  | 1288 | -16 | -29 | 5   | 5.2 | 9   | 15.5 | 12  | 35.9 | 11  | 22.2 | 9   | 8.1  | 6   | 3.9  | 8   | 3.9  | 7   |
| 300  | 31775  | 1710 | -32 | -45 | 8   | 5.3 | 8   | 8.6  | 12  | 22.0 | 12  | 19.2 | 10  | 11.2 | 10  | 11.6 | 11  | 13.0 | 10  |
| 250  | 35913  | 1914 | -42 |     | 10  | 4.9 | 10  | 8.8  | 11  | 16.0 | 11  | 14.8 | 12  | 12.4 | 11  | 11.2 | 14  | 19.4 | 13  |
| 200  | 40760  | 2098 | -54 |     | 9   | 6.2 | 11  | 7.8  | 12  | 16.5 | 10  | 11.9 | 11  | 9.8  | 11  | 11.7 | 17  | 23.3 | 13  |
| 150  | 46644  | 1997 | -68 |     | 10  | 7.3 | 11  | 10.6 | 14  | 13.0 | 11  | 9.8  | 10  | 6.3  | 13  | 12.0 | 17  | 28.5 | 12  |
| 100  | 54391  | 1308 | -76 |     | 8   | 7.5 | 10  | 9.6  | 13  | 19.4 | 12  | 15.3 | 10  | 6.0  | 11  | 6.5  | 18  | 22.5 | 11  |
| 70   | 61199  | 695  | -71 |     | 9   | 7.5 | 12  | 7.0  | 20  | 24.5 | 15  | 4.9  | 8   | 4.0  | 11  | 9.9  | 14  | 27.1 | 12  |
| 50   | 67797  | 290  | -64 |     | 10  | 2.7 | 16  | 10.2 | 21  | 34.9 | 13  | 7.0  | 8   | 1.1  | 12  | 4.5  | 18  | 26.4 | 15  |
| 30   | 78283  | 39   | -56 |     | 16  | 2.1 | 26  | 6.3  | 38  | 52.6 | 22  | 2.6  | 11  | 0.4  | 16  | 5.3  | 23  | 23.6 | 23  |
| 20   | 86981  | 100  | -50 |     | 11  | 1.8 | 17  | 0.5  | 22  | 20.2 | 9   | 2.6  | 5   | 1.5  | 11  | 1.4  | 16  | 16.2 | 15  |
| 10   | 101989 | 104  | -39 |     | 22  | 3.8 | 35  | 1.2  | 44  | 40.6 | 17  | 5.4  | 10  | 3.2  | 21  | 2.9  | 31  | 32.5 | 31  |

OCT Latitude=-2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE  | NE   | E   | E    | SE  | SE   | S   | S    | SW  | SW   | W   | W    | NW  |
|------|--------|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD | FRQ  | SPD |
| SFC  |        |      | 26  | 23  | 0   | 0.0  | 0   | 0.0  | 7   | 2.2  | 8   | 31.9 | 10  | 62.9 | 11  | 2.9  | 0   | 0.0  | 0   |
| 1000 | 345    | -19  | 25  | 23  | 1   | 0.1  | 5   | 0.3  | 7   | 5.8  | 10  | 42.8 | 12  | 47.2 | 13  | 2.9  | 0   | 0.0  | 0   |
| 850  | 4969   | 189  | 18  | 11  | 5   | 1.3  | 6   | 3.5  | 10  | 14.8 | 12  | 51.3 | 11  | 25.8 | 6   | 2.1  | 7   | 0.3  | 8   |
| 700  | 10334  | 452  | 10  | -2  | 5   | 3.4  | 7   | 4.7  | 10  | 26.1 | 9   | 25.9 | 8   | 17.8 | 7   | 8.8  | 9   | 7.0  | 5   |
| 500  | 19232  | 943  | -5  | -16 | 6   | 5.7  | 10  | 15.1 | 11  | 33.3 | 10  | 21.4 | 8   | 7.1  | 8   | 6.0  | 8   | 5.3  | 7   |
| 400  | 24865  | 1291 | -16 | -28 | 6   | 5.0  | 9   | 15.5 | 12  | 31.8 | 11  | 20.4 | 9   | 8.9  | 7   | 5.2  | 8   | 6.0  | 7   |
| 300  | 31779  | 1714 | -32 | -44 | 9   | 6.0  | 10  | 10.6 | 13  | 20.2 | 12  | 17.9 | 9   | 10.6 | 10  | 10.6 | 13  | 13.3 | 12  |
| 250  | 35915  | 1916 | -42 |     | 9   | 5.2  | 11  | 9.8  | 13  | 17.6 | 12  | 14.2 | 12  | 9.4  | 12  | 12.2 | 14  | 17.8 | 15  |
| 200  | 40762  | 2100 | -54 |     | 11  | 7.5  | 12  | 9.6  | 14  | 14.7 | 11  | 10.2 | 10  | 11.2 | 13  | 12.0 | 18  | 23.2 | 15  |
| 150  | 46645  | 1998 | -68 |     | 11  | 7.5  | 12  | 12.2 | 15  | 15.1 | 10  | 8.1  | 13  | 5.8  | 17  | 14.0 | 19  | 25.6 | 13  |
| 100  | 54394  | 1311 | -76 |     | 9   | 10.4 | 10  | 10.7 | 15  | 16.1 | 11  | 16.9 | 11  | 6.8  | 14  | 7.6  | 18  | 19.1 | 12  |
| 70   | 61201  | 697  | -71 |     | 11  | 8.1  | 14  | 6.0  | 20  | 23.8 | 15  | 4.9  | 8   | 3.1  | 10  | 11.9 | 14  | 24.5 | 12  |
| 50   | 67800  | 293  | -64 |     | 12  | 2.1  | 18  | 13.0 | 21  | 32.0 | 12  | 6.3  | 9   | 1.9  | 10  | 5.7  | 18  | 28.4 | 15  |
| 30   | 78285  | 41   | -56 |     | 12  | 1.1  | 30  | 8.6  | 38  | 50.8 | 21  | 1.9  | 10  | 0.6  | 14  | 8.6  | 25  | 22.7 | 26  |
| 20   | 86982  | 101  | -50 |     | 5   | 0.9  | 12  | 0.7  | 22  | 20.2 | 10  | 1.5  | 5   | 1.5  | 11  | 1.4  | 17  | 16.2 | 15  |
| 10   | 101990 | 105  | -39 |     | 11  | 1.9  | 25  | 1.6  | 43  | 40.6 | 21  | 3.2  | 11  | 3.2  | 23  | 2.9  | 34  | 32.5 | 30  |

OCT Latitude=-2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0 | 8     | 45.1 | 10    | 39.6 | 0     | 0.0  |
| 1000 | 341    | -23  | 25  | 23  | 6     | 0.8 | 9     | 17.1 | 11    | 24.5 | 2     | 0.3  |
| 850  | 4967   | 187  | 17  | 11  | 4     | 1.6 | 10    | 20.4 | 9     | 19.4 | 5     | 2.1  |
| 700  | 10332  | 450  | 10  | -2  | 5     | 3.1 | 10    | 25.1 | 8     | 16.5 | 9     | 11.6 |
| 500  | 19231  | 942  | -5  | -15 | 7     | 5.2 | 12    | 32.3 | 9     | 8.6  | 9     | 5.7  |
| 400  | 24863  | 1289 | -16 | -28 | 8     | 6.5 | 12    | 28.5 | 10    | 10.4 | 8     | 6.5  |
| 300  | 31777  | 1712 | -32 | -44 | 10    | 7.6 | 14    | 20.9 | 10    | 8.1  | 13    | 10.9 |
| 250  | 35914  | 1915 | -42 | .   | 10    | 7.8 | 15    | 18.3 | 12    | 8.8  | 15    | 16.1 |
| 200  | 40762  | 2100 | -54 | .   | 12    | 8.9 | 16    | 17.6 | 10    | 8.1  | 18    | 20.2 |
| 150  | 46645  | 1998 | -68 | .   | 10    | 9.3 | 16    | 18.4 | 12    | 5.8  | 15    | 13.3 |
| 100  | 54395  | 1312 | -76 | .   | 9     | 9.4 | 15    | 16.5 | 12    | 6.5  | 17    | 18.4 |
| 70   | 61203  | 699  | -71 | .   | 9     | 7.5 | 15    | 19.7 | 10    | 8.8  | 15    | 25.3 |
| 50   | 67802  | 295  | -64 | .   | 11    | 2.4 | 21    | 29.5 | 10    | 2.7  | 18    | 28.9 |
| 30   | 78290  | 46   | -56 | .   | 13    | 0.6 | 37    | 50.3 | 10    | 2.7  | 27    | 20.5 |
| 20   | 86987  | 106  | -50 | .   | 5     | 1.0 | 22    | 20.1 | 4     | 0.9  | 17    | 17.3 |
| 10   | 101993 | 108  | -39 | .   | 10    | 2.2 | 44    | 40.3 | 9     | 1.9  | 35    | 34.8 |

OCT Latitude= 0.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 18  | 0     | 0.0 | 4     | 1.6  | 8     | 56.1 | 0     | 0.0  |
| 1000 | 321    | -43  | 28  | 20  | 0     | 0.0 | 7     | 3.9  | 10    | 34.9 | 0     | 0.0  |
| 850  | 4966   | 186  | 18  | 13  | 6     | 0.1 | 10    | 10.6 | 15    | 37.0 | 0     | 0.0  |
| 700  | 10334  | 452  | 9   | 1   | 5     | 4.7 | 10    | 33.1 | 8     | 14.2 | 3     | 1.6  |
| 500  | 19231  | 942  | -6  | -16 | 6     | 5.7 | 11    | 42.1 | 9     | 3.9  | 5     | 2.6  |
| 400  | 24858  | 1284 | -16 | -28 | 7     | 5.2 | 13    | 37.7 | 10    | 5.0  | 7     | 3.4  |
| 300  | 31774  | 1709 | -32 | -44 | 8     | 5.0 | 13    | 25.9 | 10    | 9.4  | 12    | 11.1 |
| 250  | 35914  | 1915 | -42 | .   | 9     | 5.8 | 13    | 16.1 | 11    | 9.3  | 14    | 18.6 |
| 200  | 40761  | 2099 | -54 | .   | 10    | 6.3 | 14    | 13.8 | 10    | 9.8  | 16    | 22.5 |
| 150  | 46646  | 1999 | -68 | .   | 9     | 7.8 | 16    | 15.1 | 8     | 5.8  | 15    | 21.5 |
| 100  | 54392  | 1309 | -76 | .   | 9     | 8.1 | 14    | 22.7 | 10    | 5.0  | 15    | 18.7 |
| 70   | 61201  | 697  | -71 | .   | 8     | 7.0 | 19    | 24.8 | 10    | 5.7  | 15    | 24.1 |
| 50   | 67802  | 295  | -64 | .   | 13    | 2.9 | 20    | 28.7 | 8     | 4.5  | 21    | 26.6 |
| 30   | 78292  | 48   | -56 | .   | 19    | 3.2 | 35    | 50.1 | 8     | 0.8  | 26    | 19.9 |
| 20   | 86989  | 108  | -50 | .   | 16    | 2.6 | 24    | 19.7 | 4     | 1.7  | 18    | 16.0 |
| 10   | 101985 | 100  | -39 | .   | 32    | 5.4 | 48    | 39.6 | 9     | 3.5  | 36    | 32.2 |

OCT Latitude= 0.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 21  | 0     | 0.0 | 8     | 0.9  | 9     | 66.4 | 0     | 0.0  |
| 1000 | 328    | -36  | 26  | 22  | 0     | 0.0 | 8     | 3.2  | 12    | 53.1 | 0     | 0.0  |
| 850  | 4967   | 187  | 18  | 11  | 5     | 1.3 | 9     | 14.5 | 11    | 38.8 | 5     | 0.9  |
| 700  | 10333  | 451  | 9   | -0  | 5     | 6.5 | 10    | 23.2 | 7     | 16.5 | 5     | 7.1  |
| 500  | 19230  | 941  | -6  | -15 | 7     | 6.3 | 10    | 19.6 | 8     | 7.6  | 8     | 3.1  |
| 400  | 24862  | 1288 | -16 | -28 | 7     | 7.6 | 10    | 17.4 | 9     | 6.8  | 9     | 3.7  |
| 300  | 31777  | 1712 | -32 | -44 | 9     | 6.0 | 10    | 8.4  | 8     | 9.8  | 10    | 12.9 |
| 250  | 35914  | 1915 | -42 | .   | 10    | 5.8 | 10    | 7.8  | 11    | 9.8  | 13    | 10.9 |
| 200  | 40761  | 2099 | -54 | .   | 11    | 6.0 | 13    | 8.3  | 11    | 10.6 | 15    | 17.3 |
| 150  | 46644  | 1997 | -68 | .   | 11    | 6.3 | 13    | 11.4 | 11    | 6.8  | 17    | 21.2 |
| 100  | 54394  | 1311 | -76 | .   | 10    | 9.3 | 11    | 13.2 | 11    | 9.3  | 15    | 14.3 |
| 70   | 61203  | 699  | -71 | .   | 10    | 8.3 | 14    | 8.9  | 8     | 4.0  | 15    | 14.3 |
| 50   | 67803  | 296  | -64 | .   | 14    | 2.6 | 16    | 12.4 | 9     | 3.5  | 10    | 10.2 |
| 30   | 78289  | 45   | -56 | .   | 17    | 1.3 | 20    | 27.7 | 10    | 2.2  | 17    | 9.6  |
| 20   | 86986  | 105  | -50 | .   | 10    | 1.4 | 24    | 19.6 | 3     | 1.2  | 10    | 2.0  |
| 10   | 101982 | 97   | -39 | .   | 20    | 2.9 | 49    | 39.3 | 7     | 2.5  | 36    | 34.1 |

OCT Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 23  | 0     | 0.0 | 8     | 8.3  | 9     | 53.2 | 0     | 0.0  |
| 1000 | -26    | -26  | 25  | 23  | 6     | 0.1 | 9     | 13.2 | 11    | 41.0 | 3     | 0.3  |
| 850  | 184    | 184  | 18  | 10  | 6     | 4.9 | 10    | 13.8 | 9     | 25.3 | 5     | 6.6  |
| 700  | 10331  | 449  | 9   | -1  | 6     | 7.3 | 9     | 20.4 | 7     | 12.5 | 6     | 11.7 |
| 500  | 19229  | 940  | -5  | -15 | 7     | 8.9 | 10    | 18.3 | 10    | 8.6  | 10    | 4.5  |
| 400  | 24863  | 1289 | -16 | -28 | 8     | 6.6 | 10    | 16.5 | 9     | 8.9  | 8     | 8.1  |
| 300  | 31777  | 1712 | -32 | -44 | 10    | 7.1 | 10    | 10.6 | 11    | 8.9  | 13    | 14.0 |
| 250  | 35915  | 1916 | -42 | .   | 9     | 6.3 | 12    | 10.1 | 11    | 8.9  | 14    | 19.1 |
| 200  | 40763  | 2101 | -54 | .   | 10    | 6.2 | 14    | 10.2 | 9     | 8.1  | 16    | 18.6 |
| 150  | 46646  | 1999 | -68 | .   | 11    | 7.0 | 14    | 13.7 | 13    | 13.8 | 18    | 18.7 |
| 100  | 54398  | 1315 | -76 | .   | 8     | 8.9 | 11    | 15.8 | 12    | 7.3  | 14    | 14.3 |
| 70   | 61207  | 703  | -71 | .   | 9     | 8.1 | 14    | 12.0 | 11    | 7.1  | 14    | 23.2 |
| 50   | 67805  | 298  | -64 | .   | 13    | 2.9 | 21    | 27.2 | 8     | 6.0  | 21    | 24.0 |
| 30   | 78292  | 48   | -56 | .   | 18    | 1.7 | 28    | 9.4  | 12    | 3.1  | 28    | 16.0 |
| 20   | 86989  | 108  | -50 | .   | 6     | 0.9 | 24    | 19.7 | 3     | 0.5  | 17    | 16.8 |
| 10   | 101989 | 104  | -39 | .   | 13    | 1.9 | 49    | 39.6 | 7     | 1.2  | 34    | 33.8 |

OCT Latitude= 2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE  | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 17  | 0     | 0.0 | 4     | 1.2  | 8     | 45.4 | 0     | 0.0  |
| 1000 | 338    | -26  | 28  | 21  | 4     | 0.1 | 7     | 4.9  | 10    | 38.7 | 6     | 0.4  |
| 850  | 4963   | 183  | 18  | 15  | 0     | 0.0 | 12    | 9.8  | 14    | 32.8 | 2     | 0.1  |
| 700  | 10334  | 452  | 9   | 3   | 7     | 4.2 | 11    | 42.8 | 7     | 7.5  | 2     | 0.0  |
| 500  | 19236  | 947  | -6  | -15 | 7     | 5.3 | 12    | 49.1 | 7     | 4.0  | 5     | 1.1  |
| 400  | 24859  | 1285 | -16 | -28 | 8     | 5.5 | 13    | 43.9 | 8     | 5.0  | 7     | 1.3  |
| 300  | 31767  | 1702 | -32 | -44 | 9     | 8.0 | 15    | 27.6 | 9     | 8.9  | 8     | 3.1  |
| 250  | 35912  | 1913 | -42 | .   | 9     | 7.0 | 16    | 18.3 | 11    | 10.7 | 12    | 11.2 |
| 200  | 40761  | 2099 | -54 | .   | 11    | 6.8 | 14    | 16.8 | 11    | 10.7 | 13    | 9.8  |
| 150  | 46644  | 1997 | -68 | .   | 9     | 7.6 | 17    | 22.0 | 8     | 6.8  | 14    | 10.4 |
| 100  | 54393  | 1310 | -76 | .   | 9     | 8.9 | 12    | 15.5 | 10    | 6.8  | 16    | 15.3 |
| 70   | 61200  | 696  | -71 | .   | 8     | 8.1 | 11    | 13.0 | 10    | 7.5  | 12    | 10.2 |
| 50   | 67803  | 296  | -64 | .   | 12    | 8.3 | 21    | 27.1 | 11    | 6.8  | 12    | 15.5 |
| 30   | 78295  | 51   | -56 | .   | 20    | 5.7 | 34    | 44.6 | 9     | 3.9  | 18    | 22.2 |
| 20   | 86996  | 115  | -50 | .   | 16    | 4.3 | 24    | 19.1 | 3     | 0.5  | 23    | 16.5 |
| 10   | 101987 | 102  | -40 | .   | 32    | 8.7 | 48    | 38.3 | 6     | 1.2  | 34    | 32.9 |

OCT Latitude= 2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 19  | 0     | 0.0  | 5     | 0.9  | 8     | 67.0 | 8     | 6.4  |
| 1000 | 325    | -39  | 28  | 21  | 0     | 0.0  | 6     | 3.2  | 10    | 56.3 | 10    | 5.8  |
| 850  | 4965   | 185  | 18  | 14  | 6     | 0.3  | 9     | 17.1 | 11    | 40.8 | 11    | 14.7 |
| 700  | 10336  | 454  | 9   | 2   | 6     | 9.8  | 9     | 28.4 | 7     | 12.4 | 7     | 5.3  |
| 500  | 19231  | 942  | -6  | -15 | 7     | 5.8  | 12    | 41.9 | 8     | 7.0  | 8     | 1.7  |
| 400  | 24860  | 1286 | -16 | -28 | 8     | 7.6  | 14    | 38.2 | 8     | 4.9  | 9     | 4.0  |
| 300  | 31771  | 1706 | -32 | -44 | 9     | 7.6  | 16    | 27.1 | 9     | 8.0  | 11    | 10.6 |
| 250  | 35913  | 1914 | -42 | .   | 11    | 6.0  | 17    | 19.4 | 10    | 10.7 | 13    | 11.6 |
| 200  | 40761  | 2099 | -54 | .   | 11    | 5.5  | 16    | 17.8 | 9     | 8.0  | 15    | 17.8 |
| 150  | 46646  | 1999 | -68 | .   | 10    | 7.1  | 18    | 22.0 | 12    | 8.0  | 15    | 17.9 |
| 100  | 54394  | 1311 | -76 | .   | 10    | 9.9  | 15    | 26.9 | 12    | 7.5  | 15    | 16.3 |
| 70   | 61204  | 700  | -71 | .   | 8     | 10.2 | 17    | 25.9 | 9     | 4.7  | 12    | 8.0  |
| 50   | 67805  | 298  | -64 | .   | 12    | 6.5  | 22    | 26.9 | 8     | 7.5  | 11    | 13.5 |
| 30   | 78298  | 54   | -56 | .   | 19    | 6.5  | 33    | 46.4 | 13    | 5.2  | 17    | 22.8 |
| 20   | 86995  | 114  | -50 | .   | 12    | 3.6  | 24    | 19.3 | 0     | 0.0  | 23    | 15.1 |
| 10   | 101991 | 106  | -40 | .   | 24    | 7.4  | 48    | 38.7 | 0     | 0.0  | 32    | 16.2 |

OCT Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E     | SE  | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|-------|-----|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (kts) | (%) | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 20  | 0     | 0.0  | 0     | 8     | 7   | 10    | 62.5 | 9     | 0    |
| 1000 | 322    | -42  | 27  | 21  | 0     | 0.0  | 8     | 10    | 9   | 11    | 48.8 | 11    | 7.8  |
| 850  | 4962   | 182  | 18  | 12  | 7     | 2.4  | 8     | 15    | 7   | 13    | 19.2 | 8     | 4.5  |
| 700  | 10333  | 451  | 9   | 1   | 7     | 14.2 | 8     | 18    | 6   | 5     | 7.0  | 6     | 10.4 |
| 500  | 19230  | 941  | -6  | -16 | 8     | 5.8  | 10    | 38    | 9   | 7     | 7.5  | 9     | 2.6  |
| 400  | 24862  | 1288 | -16 | -29 | 9     | 8.0  | 10    | 35    | 11  | 10    | 5.8  | 8     | 4.0  |
| 300  | 31775  | 1710 | -32 | -44 | 10    | 8.3  | 10    | 25    | 11  | 8     | 8.6  | 10    | 6.8  |
| 250  | 35915  | 1916 | -42 | .   | 12    | 5.3  | 10    | 19    | 13  | 10    | 9.4  | 12    | 11.6 |
| 200  | 40763  | 2101 | -54 | .   | 10    | 5.3  | 13    | 17    | 15  | 12    | 8.9  | 14    | 11.9 |
| 150  | 46646  | 1999 | -68 | .   | 10    | 7.3  | 14    | 23    | 16  | 13    | 7.5  | 15    | 16.3 |
| 100  | 54395  | 1312 | -76 | .   | 10    | 9.8  | 12    | 27    | 13  | 9     | 7.6  | 11    | 6.5  |
| 70   | 61206  | 702  | -71 | .   | 9     | 9.9  | 12    | 27    | 13  | 8     | 4.7  | 8     | 8.1  |
| 50   | 67805  | 298  | -64 | .   | 10    | 6.2  | 16    | 28    | 11  | 9     | 9.3  | 10    | 9.6  |
| 30   | 78297  | 53   | -56 | .   | 17    | 4.4  | 25    | 45    | 13  | 14    | 5.5  | 18    | 11.2 |
| 20   | 86995  | 114  | -50 | .   | 8     | 2.0  | 13    | 19    | 0   | 0     | 0.0  | 12    | 4.9  |
| 10   | 101993 | 108  | -40 | .   | 17    | 4.1  | 26    | 39    | 0   | 0     | 0.0  | 24    | 9.9  |

OCT Latitude= 5.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E     | SE  | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|-------|-----|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (kts) | (%) | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 20  | 15  | 3     | 1.2  | 3     | 4     | 5   | 5     | 35.1 | 4     | 9.3  |
| 1000 | 393    | 29   | 28  | 23  | 6     | 1.6  | 4     | 7     | 8   | 7     | 23.3 | 6     | 7.3  |
| 850  | 4957   | 177  | 20  | 16  | 5     | 0.4  | 6     | 8     | 10  | 9     | 29.4 | 8     | 5.3  |
| 700  | 10338  | 456  | 9   | 5   | 5     | 2.7  | 10    | 16    | 10  | 7     | 6.8  | 5     | 2.6  |
| 500  | 19239  | 950  | -6  | -15 | 8     | 4.7  | 10    | 51    | 9   | 7     | 2.1  | 3     | 0.3  |
| 400  | 24873  | 1299 | -16 | -27 | 7     | 5.5  | 11    | 45    | 12  | 6     | 4.5  | 6     | 2.2  |
| 300  | 31761  | 1696 | -31 | -43 | 10    | 9.6  | 11    | 26    | 15  | 9     | 7.6  | 10    | 5.0  |
| 250  | 35916  | 1917 | -42 | .   | 12    | 7.8  | 12    | 22    | 14  | 10    | 8.0  | 12    | 9.6  |
| 200  | 40766  | 2104 | -54 | .   | 13    | 7.0  | 15    | 23    | 16  | 12    | 8.6  | 14    | 9.6  |
| 150  | 46643  | 1996 | -68 | .   | 11    | 7.3  | 13    | 28    | 14  | 10    | 6.2  | 11    | 8.4  |
| 100  | 54392  | 1309 | -76 | .   | 11    | 8.3  | 13    | 32    | 13  | 10    | 5.8  | 10    | 7.1  |
| 70   | 61196  | 692  | -71 | .   | 8     | 6.8  | 12    | 36    | 13  | 10    | 7.5  | 13    | 8.1  |
| 50   | 67801  | 294  | -64 | .   | 11    | 6.8  | 15    | 29    | 15  | 10    | 9.3  | 15    | 10.6 |
| 30   | 78291  | 47   | -56 | .   | 18    | 7.3  | 23    | 42    | 15  | 13    | 6.6  | 18    | 10.9 |
| 20   | 86996  | 115  | -50 | .   | 13    | 5.1  | 15    | 18    | 17  | 4     | 0.4  | 9     | 3.3  |
| 10   | 101999 | 114  | -40 | .   | 27    | 10.3 | 30    | 36    | 35  | 9     | 0.9  | 19    | 6.7  |

OCT Latitude= 5.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE    | NE   | E   | SE   | S     | SW   | SW  | W     | W   | NW   |
|------|--------|------|-----|-----|-----|------|-------|------|-----|------|-------|------|-----|-------|-----|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | SPD  | FRQ | (kts) | SPD | FRQ  |
| SFC  | .      | .    | 27  | 18  | 3   | 1.2  | 0     | 0.0  | 4   | 3.2  | 5     | 21.6 | 7   | 51.9  | 3   | 0.6  |
| 1000 | 325    | -39  | 29  | 21  | 5   | 0.6  | 3     | 0.6  | 6   | 7.1  | 7     | 31.0 | 9   | 42.6  | 4   | 0.8  |
| 850  | 4960   | 180  | 19  | 15  | 5   | 0.4  | 6     | 2.2  | 8   | 13.0 | 9     | 24.6 | 11  | 39.7  | 4   | 0.6  |
| 700  | 10338  | 456  | 9   | 3   | 8   | 12.0 | 9     | 32.3 | 9   | 24.5 | 7     | 7.5  | 7   | 6.0   | 6   | 3.7  |
| 500  | 19239  | 950  | -6  | -16 | 7   | 5.8  | 10    | 26.1 | 12  | 49.3 | 9     | 11.1 | 8   | 4.0   | 8   | 0.8  |
| 400  | 24866  | 1292 | -16 | -28 | 7   | 6.6  | 11    | 19.6 | 14  | 44.2 | 12    | 15.1 | 8   | 3.1   | 7   | 3.7  |
| 300  | 31771  | 1706 | -32 | -44 | 10  | 8.1  | 11    | 13.7 | 16  | 31.2 | 14    | 15.5 | 9   | 6.5   | 12  | 9.4  |
| 250  | 35914  | 1915 | -42 | .   | 12  | 8.1  | 12    | 10.2 | 16  | 23.8 | 15    | 16.3 | 10  | 8.8   | 14  | 13.3 |
| 200  | 40762  | 2100 | -54 | .   | 13  | 5.3  | 14    | 10.1 | 17  | 23.6 | 16    | 18.1 | 13  | 7.8   | 13  | 13.8 |
| 150  | 46647  | 2000 | -68 | .   | 11  | 6.5  | 15    | 11.7 | 19  | 30.2 | 16    | 16.3 | 11  | 5.8   | 14  | 12.5 |
| 100  | 54396  | 1313 | -76 | .   | 10  | 10.9 | 13    | 15.3 | 17  | 34.9 | 15    | 14.8 | 10  | 5.7   | 9   | 4.9  |
| 70   | 61206  | 702  | -71 | .   | 8   | 7.0  | 12    | 17.9 | 16  | 38.0 | 13    | 12.0 | 8   | 6.2   | 10  | 6.6  |
| 50   | 67807  | 300  | -64 | .   | 10  | 6.8  | 15    | 13.5 | 23  | 31.8 | 14    | 11.9 | 10  | 8.6   | 11  | 9.3  |
| 30   | 78308  | 64   | -56 | .   | 16  | 6.5  | 22    | 12.0 | 34  | 45.4 | 14    | 5.7  | 12  | 7.6   | 14  | 8.8  |
| 20   | 87009  | 128  | -50 | .   | 11  | 3.0  | 12    | 3.8  | 21  | 19.3 | 12    | 0.7  | 5   | 1.5   | 10  | 3.3  |
| 10   | 102005 | 120  | -40 | .   | 23  | 6.1  | 24    | 7.7  | 42  | 38.7 | 23    | 1.6  | 10  | 3.2   | 21  | 6.7  |

OCT Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N   | N    | NE    | NE   | E   | SE   | S     | SW   | SW  | W     | W   | NW   |
|------|--------|------|-----|-----|-----|------|-------|------|-----|------|-------|------|-----|-------|-----|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD | FRQ  | (kts) | (%)  | SPD | FRQ  | (kts) | SPD  | FRQ | (kts) | SPD | FRQ  |
| SFC  | .      | .    | 28  | 19  | 0   | 0.0  | 3     | 0.3  | 6   | 9.0  | 6     | 25.4 | 8   | 41.2  | 8   | 0.6  |
| 1000 | 322    | -42  | 29  | 21  | 0   | 0.0  | 3     | 1.1  | 8   | 11.4 | 8     | 29.5 | 10  | 38.5  | 7   | 1.3  |
| 850  | 4960   | 180  | 19  | 14  | 3   | 1.1  | 8     | 6.2  | 8   | 19.4 | 7     | 14.2 | 10  | 24.5  | 6   | 2.6  |
| 700  | 10335  | 453  | 9   | 3   | 7   | 16.3 | 10    | 28.2 | 9   | 19.2 | 5     | 6.0  | 5   | 3.7   | 7   | 8.0  |
| 500  | 19237  | 948  | -6  | -16 | 8   | 7.6  | 10    | 28.4 | 12  | 43.3 | 8     | 9.8  | 9   | 4.7   | 8   | 1.4  |
| 400  | 24866  | 1292 | -16 | -29 | 8   | 7.5  | 11    | 20.0 | 14  | 43.1 | 11    | 11.9 | 10  | 3.7   | 9   | 4.2  |
| 300  | 31775  | 1710 | -32 | -44 | 10  | 9.1  | 10    | 14.7 | 16  | 30.2 | 12    | 14.0 | 8   | 5.3   | 11  | 11.6 |
| 250  | 35917  | 1918 | -42 | .   | 12  | 7.8  | 13    | 11.4 | 17  | 23.8 | 15    | 17.8 | 11  | 6.0   | 14  | 15.6 |
| 200  | 40766  | 2104 | -54 | .   | 11  | 4.5  | 15    | 12.0 | 17  | 24.8 | 16    | 16.5 | 13  | 9.6   | 15  | 11.4 |
| 150  | 46650  | 2003 | -68 | .   | 12  | 6.0  | 14    | 14.8 | 21  | 28.1 | 17    | 16.1 | 12  | 7.3   | 12  | 8.9  |
| 100  | 54397  | 1314 | -76 | .   | 10  | 9.9  | 13    | 16.6 | 17  | 35.7 | 15    | 13.3 | 9   | 5.5   | 10  | 5.5  |
| 70   | 61208  | 704  | -71 | .   | 8   | 8.3  | 12    | 20.4 | 17  | 39.7 | 11    | 9.4  | 8   | 4.4   | 8   | 4.5  |
| 50   | 67809  | 302  | -64 | .   | 9   | 7.6  | 15    | 14.7 | 23  | 34.4 | 12    | 8.3  | 10  | 9.3   | 10  | 7.0  |
| 30   | 78312  | 68   | -56 | .   | 14  | 5.2  | 21    | 11.9 | 33  | 47.0 | 15    | 6.2  | 16  | 7.3   | 17  | 8.9  |
| 20   | 87013  | 132  | -50 | .   | 8   | 2.2  | 10    | 4.6  | 20  | 20.4 | 9     | 1.0  | 10  | 1.7   | 9   | 3.0  |
| 10   | 102011 | 126  | -40 | .   | 16  | 4.5  | 21    | 9.3  | 41  | 40.9 | 18    | 2.2  | 20  | 3.5   | 19  | 6.1  |

NOV Latitude=-2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 27  | 21  | 4     | 0.3  | 6     | 1.9  | 8     | 45.9 | 4     | 3.6  | 0     |
| 1000 | 313    | -51  | 27  | 23  | 4     | 0.4  | 8     | 6.9  | 10    | 43.4 | 6     | 1.6  | 2     |
| 850  | 4957   | 177  | 18  | 14  | 8     | 1.4  | 10    | 23.6 | 8     | 33.6 | 5     | 0.4  | 0     |
| 700  | 10326  | 444  | 9   | 1   | 6     | 10.9 | 9     | 25.9 | 6     | 12.8 | 4     | 2.1  | 4     |
| 500  | 19227  | 938  | -6  | -15 | 6     | 6.4  | 10    | 18.1 | 9     | 16.8 | 6     | 2.6  | 6     |
| 400  | 24859  | 1285 | -16 | -28 | 9     | 7.6  | 10    | 15.1 | 12    | 47.1 | 5     | 1.8  | 1.9   |
| 300  | 31774  | 1709 | -32 | -43 | 8     | 7.4  | 10    | 8.4  | 11    | 19.3 | 7     | 5.9  | 6     |
| 250  | 35914  | 1915 | -42 | .   | 10    | 6.6  | 10    | 9.9  | 12    | 10.9 | 11    | 12.9 | 12    |
| 200  | 40764  | 2102 | -54 | .   | 11    | 8.1  | 12    | 5.4  | 12    | 9.4  | 14    | 12.6 | 15    |
| 150  | 46651  | 2004 | -68 | .   | 13    | 6.9  | 14    | 8.8  | 12    | 9.3  | 14    | 10.6 | 17    |
| 100  | 54380  | 1297 | -77 | .   | 10    | 6.1  | 10    | 9.6  | 11    | 5.4  | 14    | 10.1 | 18    |
| 70   | 61121  | 617  | -73 | .   | 8     | 7.6  | 11    | 9.8  | 11    | 8.8  | 12    | 11.3 | 15    |
| 50   | 67654  | 147  | -65 | .   | 12    | 4.3  | 16    | 6.8  | 17    | 5.1  | 12    | 11.8 | 13    |
| 30   | 78095  | -149 | -56 | .   | 22    | 1.1  | 21    | 2.9  | 24    | 3.3  | 20    | 9.6  | 21    |
| 20   | 86784  | -97  | -50 | .   | 8     | 0.6  | 9     | 2.1  | 17    | 4.2  | 8     | 3.1  | 13    |
| 10   | 101757 | -128 | -39 | .   | 16    | 1.3  | 17    | 4.3  | 33    | 8.6  | 17    | 6.3  | 26    |

NOV Latitude=-2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 27  | 24  | 0     | 0.0  | 6     | 3.3  | 7     | 41.9 | 8     | 2.6  | 0     |
| 1000 | 312    | -52  | 26  | 23  | 5     | 0.8  | 10    | 10.1 | 9     | 35.9 | 9     | 1.9  | 2     |
| 850  | 4957   | 177  | 18  | 12  | 7     | 8.8  | 8     | 20.4 | 8     | 23.1 | 4     | 5.4  | 3     |
| 700  | 10325  | 443  | 9   | -1  | 7     | 12.1 | 8     | 14.1 | 7     | 15.6 | 4     | 7.1  | 6     |
| 500  | 19227  | 938  | -5  | -15 | 7     | 5.3  | 11    | 18.8 | 12    | 42.9 | 6     | 3.3  | 7     |
| 400  | 24861  | 1287 | -16 | -28 | 8     | 9.6  | 11    | 14.8 | 11    | 16.3 | 8     | 5.3  | 8     |
| 300  | 31776  | 1711 | -32 | -43 | 10    | 10.1 | 11    | 9.9  | 14    | 30.3 | 11    | 13.4 | 13    |
| 250  | 35914  | 1915 | -42 | .   | 12    | 8.9  | 11    | 7.1  | 17    | 14.6 | 16    | 12.9 | 15    |
| 200  | 40763  | 2101 | -54 | .   | 12    | 8.3  | 12    | 6.3  | 12    | 7.1  | 15    | 10.6 | 18    |
| 150  | 46648  | 2001 | -68 | .   | 15    | 10.6 | 14    | 8.3  | 10    | 4.3  | 15    | 9.3  | 20    |
| 100  | 54380  | 1297 | -77 | .   | 9     | 6.9  | 10    | 8.6  | 10    | 7.8  | 13    | 11.3 | 15    |
| 70   | 61123  | 619  | -73 | .   | 10    | 5.6  | 11    | 10.1 | 11    | 8.3  | 10    | 13.4 | 10    |
| 50   | 67658  | 151  | -65 | .   | 9     | 4.3  | 16    | 6.6  | 14    | 6.1  | 12    | 11.9 | 15    |
| 30   | 78095  | -149 | -56 | .   | 13    | 2.1  | 24    | 3.8  | 21    | 3.4  | 17    | 11.9 | 26    |
| 20   | 86785  | -96  | -50 | .   | 6     | 1.1  | 11    | 1.4  | 14    | 4.1  | 6     | 3.2  | 17    |
| 10   | 101750 | -135 | -39 | .   | 12    | 2.3  | 22    | 2.9  | 28    | 8.3  | 13    | 6.6  | 35    |

NOV Latitude=-2.50 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 5                 | 1.3             | 6                  | 8.9              | 6                 | 26.9            | 7                  | 38.9             | 8                 | 16.9            | 5                  | 3.9              | 3                 | 0.9             | 4                  | 0.6              |
| 1000        | 316         | -48          | 26         | 23         | 9                 | 1.9             | 10                 | 19.1             | 9                 | 40.4            | 8                  | 25.9             | 8                 | 8.6             | 6                  | 1.8              | 4                 | 0.6             | 3                  | 0.6              |
| 850         | 4957        | 177          | 18         | 12         | 6                 | 8.6             | 7                  | 14.8             | 8                 | 22.9            | 7                  | 19.9             | 5                 | 10.1            | 5                  | 8.6              | 5                 | 7.6             | 5                  | 5.9              |
| 700         | 10324       | 442          | 9          | -1         | 8                 | 8.6             | 7                  | 11.3             | 8                 | 22.8            | 7                  | 16.3             | 5                 | 8.6             | 5                  | 9.3              | 7                 | 9.3             | 8                  | 11.4             |
| 500         | 19225       | 936          | -5         | -15        | 8                 | 4.9             | 11                 | 19.1             | 12                | 42.3            | 10                 | 16.9             | 7                 | 5.4             | 6                  | 3.9              | 7                 | 3.1             | 8                  | 2.9              |
| 400         | 24860       | 1286         | -16        | -28        | 10                | 7.3             | 11                 | 15.4             | 14                | 28.3            | 11                 | 16.6             | 8                 | 9.4             | 7                  | 7.6              | 7                 | 6.6             | 9                  | 7.6              |
| 300         | 31774       | 1709         | -32        | -43        | 12                | 10.4            | 11                 | 10.8             | 16                | 15.6            | 13                 | 9.6              | 11                | 8.1             | 11                 | 12.8             | 14                | 14.3            | 13                 | 17.3             |
| 250         | 35913       | 1914         | -42        | .          | 13                | 11.6            | 14                 | 8.6              | 18                | 11.6            | 14                 | 7.8              | 12                | 7.1             | 15                 | 14.4             | 17                | 17.8            | 17                 | 20.4             |
| 200         | 40762       | 2100         | -54        | .          | 14                | 8.8             | 14                 | 9.3              | 15                | 11.3            | 13                 | 5.1              | 10                | 5.1             | 17                 | 10.8             | 21                | 26.8            | 18                 | 21.8             |
| 150         | 46646       | 1999         | -68        | .          | 15                | 12.8            | 14                 | 10.1             | 13                | 7.4             | 11                 | 3.4              | 9                 | 2.4             | 17                 | 9.3              | 23                | 30.8            | 20                 | 23.1             |
| 100         | 54379       | 1296         | -77        | .          | 8                 | 8.6             | 11                 | 9.6              | 14                | 12.1            | 12                 | 5.9              | 10                | 7.3             | 13                 | 12.5             | 17                | 26.9            | 16                 | 16.1             |
| 70          | 61124       | 620          | -73        | .          | 9                 | 6.1             | 10                 | 7.8              | 14                | 16.9            | 10                 | 8.8              | 9                 | 9.1             | 10                 | 17.3             | 15                | 19.8            | 11                 | 13.1             |
| 50          | 67659       | 152          | -65        | .          | 9                 | 3.1             | 14                 | 7.8              | 22                | 24.3            | 14                 | 7.1              | 11                | 6.9             | 12                 | 12.9             | 19                | 25.6            | 15                 | 11.3             |
| 30          | 78098       | -146         | -57        | .          | 14                | 3.3             | 26                 | 4.4              | 35                | 48.3            | 20                 | 3.1              | 16                | 3.1             | 20                 | 11.3             | 26                | 21.1            | 23                 | 4.9              |
| 20          | 86788       | -93          | -50        | .          | 7                 | 0.7             | 9                  | 2.2              | 21                | 18.1            | 10                 | 2.2              | 8                 | 0.6             | 9                  | 3.6              | 16                | 17.9            | 18                 | 3.9              |
| 10          | 101745      | -140         | -39        | .          | 14                | 1.6             | 17                 | 4.6              | 43                | 36.3            | 20                 | 4.6              | 17                | 1.3             | 19                 | 7.3              | 31                | 35.9            | 36                 | 7.9              |

NOV Latitude= 0.00 Longitude= 40.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 20         | 0                 | 0.0             | 5                  | 1.3              | 5                 | 16.9            | 6                  | 45.9             | 6                 | 30.9            | 3                  | 3.6              | 5                 | 0.3             | 4                  | 0.3              |
| 1000        | 302         | -62          | 28         | 21         | 3                 | 0.3             | 7                  | 4.3              | 8                 | 30.8            | 8                  | 43.1             | 8                 | 18.4            | 5                  | 1.9              | 6                 | 0.3             | 1                  | 0.1              |
| 850         | 4956        | 176          | 18         | 15         | 10                | 0.1             | 11                 | 11.4             | 10                | 46.4            | 10                 | 33.8             | 9                 | 7.4             | 9                  | 0.1              | 0                 | 0.0             | 3                  | 0.1              |
| 700         | 10325       | 443          | 9          | 2          | 7                 | 7.3             | 10                 | 28.6             | 11                | 46.4            | 8                  | 10.9             | 5                 | 2.4             | 3                  | 1.1              | 3                 | 0.4             | 3                  | 1.4              |
| 500         | 19226       | 937          | -6         | -15        | 7                 | 4.9             | 10                 | 20.8             | 12                | 50.1            | 10                 | 15.3             | 7                 | 3.6             | 3                  | 0.6              | 6                 | 1.4             | 5                  | 2.3              |
| 400         | 24856       | 1282         | -16        | -28        | 10                | 8.3             | 11                 | 20.6             | 14                | 32.1            | 11                 | 17.8             | 8                 | 6.6             | 7                  | 3.6              | 7                 | 4.3             | 8                  | 5.3              |
| 300         | 31774       | 1709         | -31        | -43        | 10                | 10.3            | 11                 | 11.3             | 15                | 19.3            | 12                 | 9.6              | 10                | 7.6             | 10                 | 9.8              | 11                | 17.4            | 11                 | 13.8             |
| 250         | 35916       | 1917         | -42        | .          | 11                | 8.9             | 10                 | 8.6              | 14                | 13.3            | 12                 | 9.4              | 12                | 6.9             | 14                 | 10.4             | 15                | 24.4            | 14                 | 17.3             |
| 200         | 40768       | 2106         | -54        | .          | 13                | 9.1             | 11                 | 8.3              | 13                | 9.8             | 11                 | 8.9              | 10                | 4.4             | 13                 | 12.5             | 18                | 24.8            | 17                 | 21.6             |
| 150         | 46655       | 2008         | -68        | .          | 14                | 10.8            | 13                 | 10.6             | 15                | 9.1             | 9                  | 3.9              | 9                 | 3.9             | 15                 | 9.6              | 18                | 26.3            | 19                 | 24.8             |
| 100         | 54384       | 1301         | -77        | .          | 10                | 8.8             | 12                 | 10.9             | 13                | 17.4            | 10                 | 6.1              | 9                 | 5.8             | 11                 | 8.1              | 16                | 22.4            | 14                 | 19.8             |
| 70          | 61123       | 619          | -73        | .          | 9                 | 6.6             | 11                 | 9.3              | 14                | 14.3            | 11                 | 7.6              | 10                | 5.6             | 11                 | 14.6             | 16                | 25.4            | 11                 | 15.1             |
| 50          | 67656       | 149          | -65        | .          | 11                | 3.8             | 15                 | 6.9              | 22                | 20.9            | 13                 | 6.1              | 10                | 7.4             | 14                 | 12.3             | 21                | 31.9            | 17                 | 9.9              |
| 30          | 78103       | -141         | -56        | .          | 22                | 1.1             | 27                 | 5.4              | 37                | 44.4            | 16                 | 2.9              | 21                | 4.3             | 21                 | 9.6              | 29                | 26.6            | 27                 | 5.1              |
| 20          | 86792       | -89          | -50        | .          | 10                | 0.7             | 14                 | 0.4              | 24                | 14.6            | 10                 | 2.4              | 16                | 2.2             | 16                 | 2.9              | 17                | 20.7            | 17                 | 5.2              |
| 10          | 101763      | -122         | -39        | .          | 19                | 1.6             | 28                 | 0.9              | 49                | 29.3            | 20                 | 4.9              | 33                | 4.6             | 31                 | 5.9              | 35                | 41.6            | 35                 | 10.6             |

NOV Latitude= 0.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 29  | 22  | 0     | 0.0  | 7     | 19.6 | 7     | 54.9 | 6     | 0.3  | 0     |
| 1000 | 301    | -63  | 27  | 22  | 5     | 0.4  | 10    | 4.4  | 10    | 13.1 | 4     | 0.3  | 3     |
| 850  | 4956   | 176  | 18  | 13  | 5     | 3.3  | 10    | 35.6 | 9     | 16.8 | 5     | 4.3  | 3     |
| 700  | 10324  | 442  | 9   | 0   | 8     | 14.8 | 10    | 33.9 | 8     | 11.1 | 5     | 2.3  | 5     |
| 500  | 19225  | 936  | -5  | -16 | 7     | 5.8  | 11    | 21.1 | 10    | 16.3 | 6     | 1.9  | 6     |
| 400  | 24858  | 1284 | -16 | -29 | 10    | 7.6  | 12    | 19.4 | 12    | 17.8 | 7     | 5.9  | 8     |
| 300  | 31775  | 1710 | -32 | -43 | 10    | 11.6 | 11    | 11.6 | 14    | 7.8  | 11    | 10.4 | 13    |
| 250  | 35914  | 1915 | -42 | .   | 11    | 9.3  | 14    | 7.4  | 15    | 6.1  | 15    | 13.1 | 17    |
| 200  | 40763  | 2101 | -54 | .   | 13    | 9.6  | 13    | 6.9  | 12    | 5.1  | 16    | 13.3 | 19    |
| 150  | 46649  | 2002 | -68 | .   | 15    | 12.9 | 15    | 9.1  | 9     | 2.8  | 16    | 11.4 | 20    |
| 100  | 54383  | 1300 | -77 | .   | 10    | 8.3  | 11    | 11.1 | 14    | 6.4  | 13    | 9.8  | 19    |
| 70   | 61124  | 620  | -73 | .   | 9     | 6.8  | 10    | 9.1  | 11    | 6.3  | 11    | 15.6 | 12    |
| 50   | 67657  | 150  | -65 | .   | 11    | 4.9  | 17    | 8.3  | 15    | 6.4  | 10    | 6.9  | 19    |
| 30   | 78098  | -146 | -56 | .   | 16    | 1.3  | 27    | 7.1  | 17    | 3.8  | 19    | 12.6 | 30    |
| 20   | 86787  | -94  | -50 | .   | 9     | 0.6  | 11    | 0.4  | 8     | 2.7  | 12    | 3.4  | 18    |
| 10   | 101756 | -129 | -39 | .   | 17    | 1.3  | 21    | 0.9  | 17    | 5.6  | 24    | 6.9  | 36    |

NOV Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 27  | 24  | 0     | 0.0  | 9     | 8.3  | 7     | 28.9 | 6     | 3.3  | 0     |
| 1000 | 316    | -48  | 26  | 23  | 4     | 0.4  | 11    | 17.8 | 8     | 18.9 | 7     | 1.8  | 0     |
| 850  | 4955   | 175  | 18  | 11  | 7     | 8.8  | 10    | 30.4 | 6     | 10.8 | 5     | 4.3  | 0     |
| 700  | 10322  | 440  | 9   | -1  | 9     | 15.3 | 9     | 19.8 | 7     | 12.8 | 5     | 5.4  | 5     |
| 500  | 19223  | 934  | -5  | -16 | 8     | 5.3  | 11    | 21.3 | 11    | 15.9 | 6     | 3.4  | 7     |
| 400  | 24859  | 1285 | -16 | -29 | 9     | 8.6  | 12    | 16.3 | 10    | 18.8 | 9     | 4.8  | 9     |
| 300  | 31775  | 1710 | -32 | -43 | 11    | 9.3  | 11    | 12.8 | 14    | 8.9  | 13    | 10.4 | 13    |
| 250  | 35914  | 1915 | -42 | .   | 12    | 12.1 | 13    | 10.1 | 15    | 6.9  | 15    | 14.8 | 17    |
| 200  | 40763  | 2101 | -54 | .   | 14    | 10.1 | 13    | 9.3  | 12    | 4.6  | 17    | 13.1 | 21    |
| 150  | 46648  | 2001 | -68 | .   | 16    | 12.6 | 14    | 10.9 | 9     | 2.8  | 17    | 12.3 | 20    |
| 100  | 54384  | 1301 | -77 | .   | 10    | 9.3  | 13    | 8.9  | 14    | 5.8  | 17    | 10.4 | 17    |
| 70   | 61126  | 622  | -73 | .   | 9     | 5.9  | 9     | 8.3  | 14    | 15.8 | 11    | 17.8 | 14    |
| 50   | 67660  | 153  | -65 | .   | 10    | 4.8  | 15    | 7.4  | 14    | 7.6  | 14    | 16.9 | 16    |
| 30   | 78098  | -146 | -56 | .   | 21    | 2.3  | 27    | 7.4  | 19    | 3.9  | 21    | 13.1 | 24    |
| 20   | 86788  | -93  | -50 | .   | 5     | 0.7  | 12    | 0.6  | 10    | 2.1  | 12    | 3.7  | 17    |
| 10   | 101754 | -131 | -39 | .   | 10    | 1.6  | 24    | 1.3  | 20    | 4.3  | 25    | 7.6  | 35    |

NOV Latitude= 2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 19  | 5     | 1.3  | 5     | 23.3 | 6     | 53.6 | 4     | 1.3  |
| 1000 | 329    | -35  | 28  | 22  | 6     | 1.4  | 8     | 31.6 | 7     | 45.1 | 5     | 2.1  |
| 850  | 4954   | 174  | 18  | 15  | 0     | 0.0  | 13    | 52.6 | 11    | 40.8 | 2     | 0.1  |
| 700  | 10326  | 444  | 9   | 3   | 10    | 2.9  | 13    | 38.4 | 14    | 49.4 | 11    | 7.3  |
| 500  | 19230  | 941  | -6  | -15 | 7     | 3.1  | 10    | 21.9 | 13    | 52.8 | 10    | 16.1 |
| 400  | 24857  | 1283 | -16 | -28 | 9     | 9.4  | 14    | 34.9 | 10    | 16.3 | 8     | 6.3  |
| 300  | 31767  | 1702 | -31 | -43 | 10    | 11.9 | 13    | 20.8 | 12    | 9.9  | 9     | 5.9  |
| 250  | 35914  | 1915 | -42 | .   | 13    | 8.4  | 14    | 12.8 | 11    | 9.9  | 10    | 7.6  |
| 200  | 40766  | 2104 | -54 | .   | 16    | 9.4  | 13    | 10.9 | 12    | 4.9  | 11    | 7.1  |
| 150  | 46651  | 2004 | -68 | .   | 14    | 12.5 | 15    | 11.6 | 9     | 4.3  | 6     | 3.9  |
| 100  | 54381  | 1298 | -77 | .   | 10    | 8.1  | 11    | 13.9 | 11    | 6.9  | 10    | 3.6  |
| 70   | 61121  | 617  | -73 | .   | 8     | 6.8  | 10    | 7.6  | 11    | 9.6  | 9     | 7.3  |
| 50   | 67657  | 150  | -65 | .   | 10    | 3.8  | 14    | 5.8  | 21    | 19.1 | 14    | 6.4  |
| 30   | 78106  | -138 | -56 | .   | 11    | 2.4  | 24    | 9.6  | 33    | 39.6 | 17    | 5.6  |
| 20   | 86800  | -81  | -50 | .   | 10    | 0.9  | 15    | 0.7  | 23    | 13.4 | 8     | 2.2  |
| 10   | 101767 | -118 | -39 | .   | 20    | 1.9  | 29    | 1.6  | 46    | 26.9 | 17    | 4.6  |

NOV Latitude= 2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 20  | 3     | 0.3  | 5     | 23.6 | 5     | 46.6 | 5     | 3.3  |
| 1000 | 311    | -53  | 28  | 21  | 5     | 0.4  | 8     | 37.1 | 7     | 38.6 | 6     | 1.8  |
| 850  | 4957   | 177  | 18  | 14  | 4     | 0.8  | 12    | 20.1 | 9     | 16.1 | 4     | 2.8  |
| 700  | 10328  | 446  | 9   | 2   | 9     | 9.1  | 11    | 41.3 | 12    | 36.1 | 9     | 9.3  |
| 500  | 19225  | 936  | -6  | -16 | 7     | 4.1  | 10    | 21.8 | 13    | 47.9 | 10    | 17.4 |
| 400  | 24857  | 1283 | -16 | -29 | 10    | 9.9  | 14    | 31.3 | 11    | 17.6 | 8     | 4.3  |
| 300  | 31769  | 1704 | -32 | -44 | 10    | 12.5 | 13    | 20.1 | 12    | 8.8  | 9     | 7.1  |
| 250  | 35913  | 1914 | -42 | .   | 12    | 9.9  | 13    | 13.6 | 13    | 7.8  | 13    | 10.6 |
| 200  | 40763  | 2101 | -54 | .   | 15    | 9.6  | 15    | 10.1 | 12    | 6.9  | 14    | 13.8 |
| 150  | 46649  | 2002 | -68 | .   | 14    | 12.3 | 15    | 10.6 | 8     | 2.4  | 13    | 12.6 |
| 100  | 54382  | 1299 | -77 | .   | 10    | 8.6  | 17    | 19.6 | 9     | 5.4  | 11    | 8.9  |
| 70   | 61124  | 620  | -73 | .   | 8     | 9.8  | 15    | 15.4 | 9     | 9.1  | 11    | 12.9 |
| 50   | 67658  | 151  | -65 | .   | 10    | 5.6  | 23    | 16.8 | 8     | 5.3  | 16    | 15.4 |
| 30   | 78107  | -137 | -56 | .   | 19    | 2.1  | 34    | 35.8 | 13    | 6.4  | 23    | 11.1 |
| 20   | 86800  | -81  | -50 | .   | 7     | 0.9  | 22    | 14.4 | 6     | 1.4  | 14    | 3.9  |
| 10   | 101768 | -117 | -39 | .   | 14    | 1.9  | 44    | 28.9 | 13    | 2.9  | 29    | 7.9  |

NOV Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |      | S     |      | SW    |      | W     |      | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 28  | 20  | 2     | 0.3  | 9     | 4.3  | 8     | 43.9 | 6     | 35.6 | 6     | 14.6 | 7     | 0.9  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 309    | -55  | 28  | 21  | 4     | 1.1  | 10    | 9.4  | 11    | 55.8 | 8     | 23.1 | 8     | 8.4  | 5     | 0.9  | 2     | 0.1  | 5     | 0.1  |
| 850  | 4955   | 175  | 18  | 12  | 7     | 5.1  | 12    | 46.6 | 7     | 5.9  | 7     | 5.9  | 5     | 3.1  | 5     | 2.4  | 5     | 1.9  | 4     | 1.6  |
| 700  | 10323  | 441  | 9   | 0   | 9     | 17.3 | 11    | 34.9 | 11    | 29.6 | 8     | 7.9  | 6     | 3.1  | 3     | 1.3  | 4     | 1.4  | 5     | 3.4  |
| 500  | 19223  | 934  | -5  | -17 | 6     | 6.8  | 11    | 23.8 | 13    | 42.9 | 10    | 13.8 | 8     | 6.6  | 6     | 1.4  | 5     | 1.4  | 5     | 2.1  |
| 400  | 24858  | 1284 | -16 | -30 | 9     | 8.6  | 12    | 20.4 | 13    | 30.3 | 11    | 18.3 | 9     | 8.9  | 9     | 5.8  | 7     | 3.1  | 9     | 3.6  |
| 300  | 31772  | 1707 | -32 | -44 | 9     | 12.9 | 13    | 12.6 | 13    | 19.1 | 11    | 11.3 | 11    | 6.6  | 12    | 10.9 | 13    | 14.1 | 14    | 11.4 |
| 250  | 35913  | 1914 | -42 | .   | 12    | 8.9  | 14    | 11.1 | 14    | 12.6 | 12    | 7.9  | 13    | 8.6  | 16    | 14.1 | 17    | 19.4 | 15    | 16.4 |
| 200  | 40761  | 2099 | -54 | .   | 15    | 6.4  | 15    | 9.1  | 16    | 12.9 | 12    | 7.8  | 12    | 6.1  | 17    | 14.8 | 19    | 23.9 | 17    | 18.1 |
| 150  | 46645  | 1998 | -68 | .   | 15    | 11.3 | 15    | 10.6 | 15    | 13.4 | 9     | 5.8  | 9     | 3.8  | 15    | 13.4 | 20    | 20.6 | 20    | 20.4 |
| 100  | 54381  | 1298 | -77 | .   | 11    | 9.3  | 12    | 11.3 | 18    | 18.6 | 11    | 6.9  | 11    | 4.9  | 11    | 12.9 | 16    | 19.3 | 15    | 15.4 |
| 70   | 61124  | 620  | -73 | .   | 8     | 7.4  | 10    | 8.9  | 15    | 17.1 | 11    | 10.6 | 9     | 7.4  | 10    | 16.9 | 16    | 20.1 | 12    | 9.9  |
| 50   | 67659  | 152  | -65 | .   | 10    | 5.6  | 13    | 8.3  | 22    | 17.4 | 15    | 7.3  | 11    | 6.8  | 16    | 16.3 | 18    | 27.3 | 18    | 10.4 |
| 30   | 78104  | -140 | -56 | .   | 18    | 2.4  | 24    | 11.9 | 33    | 35.9 | 16    | 6.1  | 13    | 7.1  | 27    | 10.8 | 30    | 21.3 | 23    | 3.9  |
| 20   | 86793  | -88  | -50 | .   | 7     | 0.4  | 10    | 1.1  | 22    | 14.2 | 8     | 2.2  | 5     | 1.2  | 14    | 4.1  | 19    | 23.6 | 17    | 2.4  |
| 10   | 101761 | -124 | -39 | .   | 15    | 0.9  | 21    | 2.3  | 45    | 28.6 | 16    | 4.6  | 10    | 2.6  | 28    | 8.3  | 38    | 47.3 | 35    | 4.9  |

NOV Latitude= 5.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |      |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |      |
| SFC  | .      | .    | 20  | 14  | 4     | 10.6 | 3     | 14.3 | 5     | 32.6 | 2     | 0.9  | 1     | 0.3  |
| 1000 | 393    | 29   | 27  | 23  | 6     | 7.1  | 6     | 9.9  | 9     | 38.3 | 3     | 0.9  | 1     | 0.1  |
| 850  | 4954   | 174  | 19  | 15  | 7     | 3.1  | 7     | 10.6 | 10    | 43.6 | 0     | 0.0  | 2     | 0.3  |
| 700  | 10331  | 449  | 9   | 4   | 9     | 1.9  | 13    | 36.4 | 15    | 53.6 | 0     | 0.0  | 0     | 0.0  |
| 500  | 19234  | 945  | -6  | -16 | 7     | 2.4  | 11    | 23.6 | 14    | 54.1 | 4     | 0.6  | 4     | 1.3  |
| 400  | 24871  | 1297 | -16 | -29 | 10    | 7.4  | 11    | 23.6 | 14    | 37.5 | 6     | 2.9  | 9     | 2.8  |
| 300  | 31760  | 1695 | -31 | -44 | 12    | 11.4 | 13    | 16.1 | 16    | 22.4 | 10    | 5.4  | 13    | 12.1 |
| 250  | 35914  | 1915 | -42 | .   | 14    | 11.4 | 16    | 15.6 | 14    | 14.6 | 11    | 8.4  | 16    | 18.8 |
| 200  | 40764  | 2102 | -54 | .   | 17    | 14.4 | 17    | 11.6 | 14    | 11.3 | 13    | 9.4  | 16    | 19.9 |
| 150  | 46644  | 1997 | -68 | .   | 16    | 11.6 | 14    | 10.1 | 16    | 13.6 | 12    | 9.4  | 16    | 19.4 |
| 100  | 54373  | 1290 | -77 | .   | 10    | 10.1 | 13    | 13.1 | 16    | 20.6 | 12    | 7.9  | 15    | 19.6 |
| 70   | 61110  | 606  | -73 | .   | 9     | 7.6  | 10    | 10.4 | 14    | 22.6 | 12    | 11.4 | 14    | 17.9 |
| 50   | 67653  | 146  | -65 | .   | 10    | 6.1  | 14    | 6.4  | 21    | 22.8 | 14    | 11.8 | 16    | 24.4 |
| 30   | 78100  | -144 | -56 | .   | 12    | 3.9  | 22    | 10.4 | 31    | 38.4 | 19    | 7.4  | 26    | 18.6 |
| 20   | 86798  | -83  | -50 | .   | 10    | 2.9  | 11    | 1.6  | 8     | 2.4  | 16    | 4.2  | 18    | 18.6 |
| 10   | 101772 | -113 | -39 | .   | 21    | 5.9  | 23    | 3.3  | 39    | 23.9 | 31    | 8.6  | 36    | 37.3 |

NOV Latitude= 5.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |      | S     |      | SW    |      | W     |      | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 26  | 18  | 3     | 2.9  | 4     | 8.3  | 5     | 22.3 | 5     | 38.6 | 4     | 14.6 | 3     | 4.3  | 3     | 2.6  | 3     | 2.3  |
| 1000 | 331    | -33  | 28  | 21  | 5     | 1.8  | 7     | 8.3  | 8     | 33.6 | 7     | 36.9 | 6     | 12.1 | 5     | 2.9  | 5     | 1.8  | 5     | 1.4  |
| 850  | 4959   | 179  | 18  | 14  | 11    | 0.8  | 10    | 14.1 | 11    | 49.4 | 9     | 25.3 | 6     | 6.9  | 3     | 0.4  | 3     | 0.4  | 0     | 0.0  |
| 700  | 10331  | 449  | 9   | 2   | 9     | 8.9  | 12    | 49.3 | 13    | 32.1 | 9     | 6.9  | 7     | 0.6  | 3     | 0.3  | 4     | 0.1  | 5     | 0.9  |
| 500  | 19233  | 944  | -6  | -18 | 8     | 3.6  | 12    | 24.6 | 14    | 51.3 | 10    | 13.6 | 9     | 2.9  | 6     | 1.1  | 6     | 0.9  | 3     | 0.4  |
| 400  | 24862  | 1288 | -16 | -30 | 10    | 8.1  | 12    | 21.3 | 15    | 36.9 | 11    | 15.6 | 9     | 8.1  | 8     | 3.6  | 8     | 1.9  | 7     | 3.8  |
| 300  | 31767  | 1702 | -32 | -45 | 12    | 11.9 | 13    | 16.6 | 15    | 23.1 | 11    | 9.4  | 9     | 7.1  | 11    | 7.1  | 14    | 10.6 | 12    | 13.1 |
| 250  | 35911  | 1912 | -42 | .   | 14    | 11.3 | 16    | 13.1 | 13    | 14.6 | 13    | 7.4  | 10    | 7.9  | 12    | 8.4  | 16    | 18.9 | 15    | 17.6 |
| 200  | 40759  | 2097 | -54 | .   | 17    | 10.4 | 18    | 10.3 | 15    | 12.9 | 13    | 8.1  | 11    | 7.9  | 14    | 10.8 | 17    | 19.3 | 17    | 19.4 |
| 150  | 46642  | 1995 | -68 | .   | 16    | 10.8 | 17    | 9.1  | 15    | 14.1 | 11    | 9.3  | 9     | 4.6  | 12    | 8.8  | 18    | 19.4 | 18    | 22.8 |
| 100  | 54378  | 1295 | -77 | .   | 11    | 9.6  | 13    | 11.9 | 17    | 21.3 | 11    | 8.1  | 8     | 5.9  | 11    | 10.1 | 16    | 16.6 | 15    | 15.6 |
| 70   | 61121  | 617  | -73 | .   | 9     | 8.6  | 10    | 9.8  | 14    | 23.4 | 11    | 9.9  | 9     | 8.8  | 11    | 13.8 | 14    | 16.3 | 12    | 8.3  |
| 50   | 67658  | 151  | -65 | .   | 11    | 5.3  | 13    | 7.4  | 21    | 23.9 | 13    | 8.3  | 9     | 5.9  | 15    | 14.3 | 17    | 24.1 | 14    | 9.9  |
| 30   | 78114  | -130 | -56 | .   | 14    | 4.1  | 24    | 11.9 | 31    | 36.8 | 17    | 9.6  | 15    | 4.6  | 23    | 8.3  | 30    | 17.6 | 17    | 6.6  |
| 20   | 86807  | -74  | -50 | .   | 10    | 1.9  | 13    | 1.1  | 18    | 13.2 | 9     | 1.9  | 5     | 1.7  | 11    | 4.1  | 20    | 19.4 | 10    | 5.9  |
| 10   | 101774 | -111 | -40 | .   | 20    | 3.9  | 27    | 2.3  | 37    | 26.6 | 17    | 3.9  | 10    | 3.6  | 23    | 8.3  | 40    | 38.9 | 20    | 11.9 |

NOV Latitude= 5.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     |      | NE    |      | E     |      | SE    |      | S     |      | SW    |      | W     |      | NW    |      |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 18  | 3     | 0.6  | 6     | 5.3  | 8     | 48.9 | 6     | 33.9 | 4     | 7.3  | 3     | 2.3  | 5     | 0.6  | 0     | 0.0  |
| 1000 | 324    | -40  | 28  | 20  | 4     | 0.9  | 8     | 7.9  | 10    | 49.6 | 8     | 32.6 | 6     | 5.9  | 4     | 1.4  | 7     | 0.3  | 2     | 0.1  |
| 850  | 4958   | 178  | 18  | 13  | 8     | 1.4  | 12    | 24.8 | 12    | 54.4 | 7     | 10.8 | 6     | 4.8  | 5     | 1.6  | 4     | 1.1  | 4     | 0.1  |
| 700  | 10328  | 446  | 9   | 1   | 10    | 14.6 | 12    | 46.8 | 12    | 28.9 | 7     | 5.4  | 7     | 1.4  | 2     | 0.3  | 3     | 0.3  | 6     | 1.6  |
| 500  | 19230  | 941  | -5  | -18 | 6     | 3.8  | 12    | 23.8 | 14    | 52.8 | 10    | 10.8 | 9     | 3.8  | 5     | 1.9  | 4     | 1.3  | 4     | 0.8  |
| 400  | 24861  | 1287 | -16 | -31 | 10    | 7.6  | 12    | 21.3 | 14    | 36.4 | 11    | 15.9 | 10    | 7.9  | 9     | 4.4  | 7     | 1.4  | 7     | 3.3  |
| 300  | 31769  | 1704 | -32 | -45 | 10    | 9.6  | 13    | 14.9 | 15    | 21.6 | 11    | 10.1 | 9     | 9.3  | 11    | 10.8 | 13    | 11.6 | 13    | 11.1 |
| 250  | 35910  | 1911 | -42 | .   | 13    | 8.9  | 16    | 11.8 | 15    | 12.9 | 11    | 9.9  | 11    | 9.1  | 14    | 14.4 | 16    | 16.9 | 16    | 14.8 |
| 200  | 40757  | 2095 | -54 | .   | 14    | 9.3  | 17    | 9.1  | 17    | 14.3 | 13    | 7.9  | 12    | 10.3 | 16    | 13.9 | 18    | 19.6 | 18    | 15.1 |
| 150  | 46640  | 1993 | -68 | .   | 17    | 11.1 | 16    | 9.3  | 15    | 15.8 | 13    | 9.8  | 10    | 5.8  | 14    | 11.9 | 18    | 17.9 | 20    | 17.6 |
| 100  | 54378  | 1295 | -77 | .   | 10    | 9.8  | 12    | 12.8 | 18    | 19.4 | 10    | 8.9  | 10    | 6.8  | 10    | 10.4 | 15    | 17.3 | 15    | 13.8 |
| 70   | 61122  | 618  | -73 | .   | 8     | 6.1  | 11    | 9.9  | 15    | 22.3 | 10    | 11.1 | 9     | 10.4 | 11    | 13.1 | 14    | 14.6 | 11    | 10.9 |
| 50   | 67660  | 153  | -65 | .   | 11    | 7.6  | 14    | 8.3  | 20    | 23.3 | 12    | 7.4  | 10    | 6.8  | 15    | 15.8 | 17    | 20.9 | 14    | 8.6  |
| 30   | 78116  | -128 | -56 | .   | 14    | 2.8  | 24    | 13.9 | 32    | 35.1 | 14    | 10.3 | 15    | 4.1  | 25    | 11.6 | 31    | 16.3 | 19    | 5.4  |
| 20   | 86809  | -72  | -50 | .   | 8     | 1.1  | 11    | 2.4  | 19    | 13.1 | 7     | 2.2  | 6     | 1.7  | 12    | 5.7  | 20    | 19.9 | 12    | 3.1  |
| 10   | 101773 | -112 | -40 | .   | 17    | 2.3  | 22    | 4.9  | 38    | 26.3 | 15    | 4.6  | 12    | 3.6  | 25    | 11.6 | 39    | 39.9 | 24    | 6.3  |

DEC Latitude=-2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  |        |      | 27  | 21  | 3     | 1.6  | 7     | 12.2 | 4     | 20.9 | 2     | 2.2  | 3     |
| 1000 | 292    | -72  | 27  | 22  | 5     | 2.5  | 10    | 26.9 | 7     | 12.2 | 3     | 0.8  | 5     |
| 850  | 4940   | 160  | 18  | 14  | 11    | 7.9  | 13    | 69.1 | 8     | 3.0  | 0     | 0.0  | 3     |
| 700  | 10314  | 432  | 9   | 1   | 9     | 17.0 | 10    | 41.9 | 7     | 4.0  | 3     | 0.9  | 6     |
| 500  | 19217  | 928  | -5  | -16 | 7     | 4.5  | 11    | 20.6 | 11    | 15.1 | 6     | 3.2  | 8     |
| 400  | 24852  | 1278 | -16 | -29 | 11    | 10.1 | 13    | 19.6 | 14    | 43.0 | 7     | 2.5  | 3.0   |
| 300  | 31768  | 1703 | -32 | -43 | 10    | 8.2  | 12    | 14.6 | 15    | 35.3 | 10    | 7.9  | 6.1   |
| 250  | 35909  | 1910 | -42 |     | 14    | 6.6  | 12    | 13.8 | 17    | 27.0 | 12    | 5.8  | 9     |
| 200  | 40762  | 2100 | -54 |     | 11    | 9.9  | 14    | 12.0 | 17    | 22.4 | 11    | 6.2  | 10    |
| 150  | 46652  | 2005 | -68 |     | 14    | 9.3  | 15    | 10.1 | 17    | 18.7 | 14    | 9.3  | 12    |
| 100  | 54376  | 1293 | -78 |     | 11    | 11.2 | 12    | 11.7 | 13    | 12.7 | 12    | 8.3  | 16    |
| 70   | 61067  | 563  | -75 |     | 9     | 8.0  | 12    | 13.5 | 14    | 21.2 | 11    | 9.3  | 12    |
| 50   | 67555  | 48   | -65 |     | 14    | 6.1  | 11    | 5.3  | 26    | 26.7 | 17    | 7.2  | 15    |
| 30   | 77957  | -287 | -57 |     | 21    | 3.2  | 20    | 2.7  | 37    | 48.0 | 24    | 4.1  | 21    |
| 20   | 86623  | -258 | -51 |     | 12    | 3.1  | 9     | 3.1  | 16    | 25.7 | 8     | 5.5  | 15    |
| 10   | 101451 | -434 | -40 |     | 25    | 6.4  | 19    | 6.4  | 32    | 51.6 | 17    | 11.2 | 12    |

DEC Latitude=-2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | E    | SE    | S    | SW    | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  |        |      | 27  | 24  | 0     | 0.0  | 10    | 38.3 | 6     | 10.6 | 2     | 0.6  | 0     |
| 1000 | 293    | -71  | 26  | 23  | 7     | 0.9  | 12    | 51.1 | 8     | 4.9  | 2     | 0.3  | 0     |
| 850  | 4941   | 161  | 19  | 11  | 9     | 17.4 | 12    | 20.9 | 7     | 2.4  | 3     | 0.6  | 6     |
| 700  | 10313  | 431  | 9   | -0  | 8     | 17.5 | 8     | 24.8 | 7     | 8.8  | 5     | 3.5  | 7     |
| 500  | 19216  | 927  | -5  | -16 | 9     | 4.6  | 12    | 23.3 | 11    | 15.6 | 6     | 2.0  | 8     |
| 400  | 24853  | 1279 | -16 | -28 | 11    | 8.2  | 14    | 23.7 | 12    | 9.8  | 9     | 4.8  | 9     |
| 300  | 31770  | 1705 | -32 | -43 | 12    | 10.1 | 14    | 18.7 | 13    | 14.1 | 11    | 5.9  | 12    |
| 250  | 35908  | 1909 | -42 |     | 14    | 10.9 | 14    | 13.2 | 17    | 16.6 | 12    | 6.7  | 14    |
| 200  | 40760  | 2098 | -54 |     | 15    | 11.7 | 15    | 9.0  | 18    | 22.2 | 14    | 7.7  | 17    |
| 150  | 46650  | 2003 | -68 |     | 17    | 10.3 | 14    | 8.3  | 18    | 12.7 | 14    | 7.9  | 19    |
| 100  | 54378  | 1295 | -78 |     | 11    | 9.6  | 13    | 11.7 | 15    | 18.7 | 12    | 9.9  | 17    |
| 70   | 61069  | 565  | -75 |     | 8     | 7.4  | 12    | 13.8 | 12    | 9.9  | 11    | 11.4 | 14    |
| 50   | 67557  | 50   | -65 |     | 12    | 4.8  | 15    | 7.0  | 25    | 27.2 | 16    | 7.4  | 11    |
| 30   | 77957  | -287 | -57 |     | 18    | 1.2  | 25    | 4.8  | 36    | 47.7 | 23    | 6.4  | 17    |
| 20   | 86623  | -258 | -51 |     | 5     | 0.5  | 9     | 4.1  | 17    | 26.7 | 9     | 6.4  | 20    |
| 10   | 101452 | -433 | -40 |     | 11    | 1.2  | 19    | 8.3  | 33    | 53.5 | 19    | 12.9 | 12    |

DEC Latitude=-2.50 Longitude= 45.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 27         | 24         | 8                 | 8.0             | 9                  | 61.6             | 7                 | 22.9            | 6                  | 4.5              | 5                 | 2.5             | 2                  | 0.3              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 301         | -63          | 26         | 23         | 10                | 5.8             | 12                 | 66.4             | 9                 | 23.8            | 7                  | 2.4              | 6                 | 1.1             | 3                  | 0.1              | 0                 | 0.0             | 4                  | 0.1              |
| 850         | 4942        | 162          | 18         | 11         | 7                 | 12.9            | 10                 | 33.8             | 11                | 26.7            | 6                  | 6.7              | 6                 | 3.7             | 5                  | 4.8              | 4                 | 5.6             | 6                  | 4.8              |
| 700         | 10312       | 430          | 9          | -1         | 6                 | 9.3             | 6                  | 11.4             | 10                | 22.0            | 8                  | 13.3             | 6                 | 6.9             | 7                  | 8.3              | 9                 | 14.6            | 7                  | 12.4             |
| 500         | 19216       | 927          | -5         | -16        | 8                 | 6.1             | 13                 | 22.9             | 13                | 43.7            | 11                 | 14.6             | 8                 | 3.8             | 8                  | 2.5              | 8                 | 3.0             | 8                  | 2.7              |
| 400         | 24851       | 1277         | -16        | -27        | 11                | 6.9             | 14                 | 25.1             | 14                | 34.0            | 12                 | 8.7              | 9                 | 6.1             | 10                 | 6.4              | 7                 | 5.3             | 9                  | 6.7              |
| 300         | 31768       | 1703         | -32        | -42        | 12                | 12.7            | 14                 | 16.1             | 16                | 25.1            | 13                 | 12.0             | 11                | 7.4             | 12                 | 6.6              | 14                | 9.5             | 14                 | 10.3             |
| 250         | 35907       | 1908         | -42        | .          | 16                | 10.8            | 14                 | 14.1             | 18                | 25.0            | 18                 | 13.3             | 15                | 6.7             | 13                 | 6.2              | 16                | 12.0            | 18                 | 11.1             |
| 200         | 40759       | 2097         | -54        | .          | 18                | 10.1            | 13                 | 10.3             | 19                | 22.4            | 19                 | 13.8             | 17                | 4.8             | 12                 | 7.7              | 17                | 17.4            | 17                 | 12.7             |
| 150         | 46648       | 2001         | -68        | .          | 18                | 10.6            | 14                 | 7.7              | 17                | 18.0            | 19                 | 11.4             | 12                | 4.0             | 17                 | 6.1              | 20                | 19.1            | 19                 | 22.4             |
| 100         | 54376       | 1293         | -78        | .          | 12                | 7.9             | 12                 | 11.2             | 17                | 17.0            | 11                 | 10.6             | 11                | 6.9             | 12                 | 11.7             | 16                | 18.0            | 15                 | 15.9             |
| 70          | 61069       | 565          | -75        | .          | 8                 | 6.4             | 11                 | 13.3             | 16                | 19.5            | 12                 | 10.6             | 12                | 8.3             | 11                 | 13.8             | 12                | 14.9            | 11                 | 12.7             |
| 50          | 67559       | 52           | -65        | .          | 12                | 3.8             | 18                 | 7.4              | 25                | 26.6            | 17                 | 9.8              | 14                | 4.8             | 14                 | 10.3             | 19                | 25.8            | 14                 | 11.1             |
| 30          | 77962       | -282         | -57        | .          | 16                | 1.9             | 32                 | 6.2              | 36                | 44.9            | 27                 | 9.8              | 10                | 2.0             | 16                 | 7.4              | 24                | 20.4            | 21                 | 6.9              |
| 20          | 86624       | -257         | -51        | .          | 4                 | 0.7             | 8                  | 2.8              | 17                | 27.5            | 16                 | 7.6              | 6                 | 2.5             | 9                  | 2.5              | 6                 | 2.2             | 7                  | 2.8              |
| 10          | 101452      | -433         | -40        | .          | 9                 | 1.6             | 17                 | 5.8              | 35                | 55.1            | 31                 | 15.4             | 11                | 5.1             | 19                 | 5.1              | 12                | 4.5             | 13                 | 5.8              |

DEC Latitude= 0.00 Longitude= 40.00

| IVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 29         | 20         | 0                 | 0.0             | 5                  | 6.1              | 5                 | 38.7            | 5                  | 42.5             | 4                 | 10.3            | 5                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 282         | -82          | 29         | 21         | 3                 | 0.4             | 8                  | 10.9             | 8                 | 51.9            | 8                  | 27.7             | 5                 | 7.4             | 6                  | 0.6              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4942        | 162          | 18         | 14         | 8                 | 0.3             | 13                 | 39.5             | 12                | 57.2            | 9                  | 2.7              | 1                 | 0.1             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10314       | 432          | 9          | 2          | 8                 | 6.7             | 12                 | 50.9             | 13                | 35.8            | 10                 | 3.3              | 1                 | 0.4             | 2                  | 0.1              | 2                 | 0.4             | 7                  | 1.4              |
| 500         | 19216       | 927          | -5         | -17        | 8                 | 5.9             | 12                 | 17.0             | 15                | 55.3            | 10                 | 14.1             | 6                 | 2.5             | 5                  | 1.2              | 3                 | 1.1             | 7                  | 2.2              |
| 400         | 24848       | 1274         | -16        | -30        | 11                | 8.7             | 14                 | 28.7             | 16                | 39.3            | 11                 | 9.8              | 7                 | 2.4             | 6                  | 2.0              | 7                 | 1.9             | 8                  | 6.1              |
| 300         | 31766       | 1701         | -31        | -44        | 11                | 11.6            | 13                 | 17.0             | 16                | 30.6            | 12                 | 14.6             | 11                | 5.4             | 10                 | 4.3              | 10                | 7.5             | 12                 | 8.3              |
| 250         | 35909       | 1910         | -41        | .          | 13                | 10.6            | 14                 | 14.8             | 17                | 22.4            | 18                 | 16.6             | 14                | 8.7             | 11                 | 6.4              | 14                | 9.9             | 12                 | 10.1             |
| 200         | 40763       | 2101         | -54        | .          | 14                | 8.2             | 14                 | 12.0             | 17                | 15.3            | 18                 | 18.2             | 15                | 12.2            | 11                 | 8.0              | 15                | 13.7            | 14                 | 12.0             |
| 150         | 46655       | 2008         | -68        | .          | 16                | 12.7            | 15                 | 14.6             | 15                | 13.8            | 18                 | 13.2             | 12                | 5.9             | 12                 | 4.5              | 16                | 15.4            | 17                 | 19.3             |
| 100         | 54377       | 1294         | -78        | .          | 12                | 11.4            | 14                 | 12.4             | 16                | 19.6            | 14                 | 8.2              | 10                | 5.4             | 10                 | 9.3              | 16                | 16.7            | 14                 | 16.4             |
| 70          | 61068       | 564          | -75        | .          | 9                 | 8.7             | 10                 | 10.6             | 14                | 21.1            | 9                  | 6.6              | 10                | 6.4             | 13                 | 12.7             | 13                | 22.9            | 11                 | 10.3             |
| 50          | 67559       | 52           | -65        | .          | 9                 | 3.7             | 11                 | 4.3              | 24                | 22.4            | 17                 | 7.2              | 13                | 4.1             | 15                 | 10.6             | 22                | 34.3            | 16                 | 12.9             |
| 30          | 77967       | -277         | -57        | .          | 4                 | 0.4             | 20                 | 4.1              | 36                | 42.0            | 22                 | 5.1              | 12                | 0.8             | 19                 | 8.5              | 29                | 31.7            | 24                 | 6.9              |
| 20          | 86633       | -248         | -51        | .          | 3                 | 0.5             | 7                  | 2.0              | 17                | 19.7            | 7                  | 3.1              | 9                 | 2.6             | 12                 | 4.3              | 15                | 14.3            | 16                 | 2.5              |
| 10          | 101457      | -428         | -40        | .          | 7                 | 1.2             | 13                 | 4.1              | 35                | 39.6            | 15                 | 6.4              | 19                | 5.4             | 23                 | 8.7              | 30                | 28.7            | 31                 | 5.1              |

DEC Latitude= 0.00 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 29  | 21  | 0     | 0.0  | 7     | 1.2  | 9     | 75.8 | 8     | 22.5 |
| 1000 | 283    | -81  | 27  | 21  | 5     | 0.1  | 11    | 14.0 | 13    | 77.2 | 11    | 8.3  |
| 850  | 4941   | 161  | 19  | 11  | 9     | 2.0  | 15    | 66.7 | 16    | 29.5 | 6     | 1.4  |
| 700  | 10313  | 431  | 9   | -0  | 9     | 11.1 | 10    | 43.0 | 11    | 31.7 | 9     | 5.9  |
| 500  | 19215  | 926  | -5  | -17 | 8     | 4.9  | 14    | 19.9 | 16    | 50.4 | 11    | 14.8 |
| 400  | 24850  | 1276 | -16 | -30 | 12    | 7.7  | 14    | 27.5 | 16    | 36.6 | 11    | 8.3  |
| 300  | 31768  | 1703 | -32 | -44 | 13    | 13.8 | 12    | 19.5 | 19    | 22.9 | 13    | 11.2 |
| 250  | 35907  | 1908 | -42 | .   | 16    | 12.9 | 15    | 10.9 | 19    | 22.9 | 17    | 13.5 |
| 200  | 40760  | 2098 | -54 | .   | 17    | 10.9 | 14    | 9.6  | 18    | 17.5 | 17    | 15.6 |
| 150  | 46651  | 2004 | -68 | .   | 17    | 14.1 | 15    | 11.1 | 16    | 13.7 | 17    | 11.2 |
| 100  | 54379  | 1296 | -78 | .   | 12    | 10.9 | 13    | 13.3 | 16    | 17.2 | 13    | 8.5  |
| 70   | 61069  | 565  | -75 | .   | 8     | 8.0  | 11    | 13.2 | 15    | 19.3 | 11    | 6.6  |
| 50   | 67556  | 49   | -65 | .   | 10    | 4.3  | 15    | 5.4  | 23    | 21.9 | 14    | 7.0  |
| 30   | 77960  | -284 | -57 | .   | 12    | 0.6  | 24    | 5.3  | 35    | 40.9 | 19    | 6.1  |
| 20   | 86626  | -255 | -51 | .   | 8     | 0.2  | 7     | 2.5  | 17    | 19.3 | 7     | 3.8  |
| 10   | 101452 | -433 | -40 | .   | 17    | 0.6  | 15    | 5.1  | 35    | 38.7 | 14    | 7.7  |

DEC Latitude= 0.00 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | NE   | E     | SE   | S     | SW   | W     | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  |        |      | 27  | 24  | 3     | 0.3  | 12    | 48.7 | 10    | 47.0 | 6     | 3.2  |
| 1000 | 303    | -61  | 26  | 23  | 8     | 0.8  | 16    | 54.8 | 13    | 42.4 | 7     | 1.7  |
| 850  | 4939   | 159  | 18  | 10  | 10    | 5.8  | 15    | 55.6 | 15    | 34.5 | 7     | 1.6  |
| 700  | 10310  | 428  | 9   | -1  | 8     | 14.1 | 9     | 25.9 | 11    | 30.4 | 9     | 11.9 |
| 500  | 19213  | 924  | -5  | -16 | 8     | 4.5  | 14    | 24.8 | 15    | 47.5 | 11    | 12.2 |
| 400  | 24850  | 1276 | -16 | -29 | 11    | 9.0  | 15    | 24.3 | 16    | 36.2 | 10    | 8.8  |
| 300  | 31767  | 1702 | -32 | -43 | 13    | 14.6 | 13    | 16.7 | 17    | 23.5 | 13    | 12.2 |
| 250  | 35907  | 1908 | -41 | .   | 16    | 13.3 | 16    | 10.3 | 18    | 22.5 | 16    | 14.0 |
| 200  | 40760  | 2098 | -54 | .   | 18    | 12.0 | 15    | 8.5  | 19    | 19.3 | 15    | 5.4  |
| 150  | 46650  | 2003 | -68 | .   | 18    | 16.1 | 15    | 7.7  | 17    | 15.9 | 18    | 11.1 |
| 100  | 54380  | 1297 | -78 | .   | 11    | 11.4 | 13    | 11.9 | 16    | 16.6 | 12    | 8.8  |
| 70   | 61072  | 568  | -75 | .   | 9     | 7.9  | 11    | 12.7 | 15    | 18.2 | 11    | 9.1  |
| 50   | 67560  | 53   | -65 | .   | 11    | 4.6  | 15    | 6.2  | 25    | 21.1 | 15    | 8.0  |
| 30   | 77961  | -283 | -57 | .   | 16    | 1.4  | 28    | 5.8  | 33    | 40.4 | 19    | 8.7  |
| 20   | 86624  | -257 | -51 | .   | 13    | 0.4  | 8     | 2.2  | 17    | 19.1 | 11    | 5.2  |
| 10   | 101453 | -432 | -40 | .   | 26    | 0.9  | 17    | 4.5  | 34    | 38.3 | 23    | 10.6 |

DEC Latitude= 2.50 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | E     | E    | SE    | SE   | S     | S    | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 27  | 17  | 0     | 0.0  | 6     | 29.3 | 6     | 61.2 | 5     | 6.1  | 2     | 0.6  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 304    | -60  | 29  | 20  | 4     | 0.1  | 9     | 47.4 | 8     | 43.2 | 6     | 4.1  | 4     | 1.2  | 4     | 0.1  | 0     | 0.0  |
| 850  | 4942   | 162  | 19  | 14  | 6     | 0.1  | 14    | 81.9 | 11    | 10.8 | 9     | 0.3  | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10315  | 433  | 8   | 3   | 10    | 1.7  | 16    | 41.6 | 14    | 4.9  | 4     | 0.3  | 0     | 0.0  | 0     | 0.0  | 4     | 0.3  |
| 500  | 19221  | 932  | -5  | -18 | 8     | 5.3  | 12    | 16.9 | 10    | 12.9 | 8     | 1.7  | 6     | 1.1  | 6     | 0.6  | 7     | 1.1  |
| 400  | 24850  | 1276 | -16 | -31 | 11    | 9.0  | 15    | 27.9 | 11    | 7.9  | 7     | 3.0  | 6     | 2.9  | 6     | 3.3  | 9     | 4.5  |
| 300  | 31760  | 1695 | -31 | -44 | 13    | 16.7 | 15    | 19.1 | 13    | 11.4 | 10    | 4.3  | 11    | 5.3  | 12    | 7.4  | 13    | 9.9  |
| 250  | 35908  | 1909 | -42 | .   | 15    | 13.5 | 16    | 14.5 | 16    | 14.3 | 13    | 9.9  | 12    | 6.1  | 16    | 10.9 | 14    | 13.7 |
| 200  | 40763  | 2101 | -54 | .   | 15    | 11.9 | 16    | 10.8 | 17    | 13.7 | 16    | 10.9 | 13    | 8.7  | 17    | 15.3 | 16    | 15.9 |
| 150  | 46654  | 2007 | -68 | .   | 16    | 16.2 | 16    | 14.6 | 18    | 9.3  | 12    | 5.6  | 9     | 4.5  | 17    | 16.2 | 19    | 21.7 |
| 100  | 54374  | 1291 | -78 | .   | 13    | 13.8 | 15    | 12.4 | 13    | 8.0  | 11    | 6.4  | 11    | 5.4  | 15    | 14.1 | 17    | 18.2 |
| 70   | 61063  | 559  | -75 | .   | 10    | 6.4  | 11    | 12.5 | 10    | 7.2  | 11    | 5.4  | 14    | 12.5 | 14    | 19.6 | 12    | 12.0 |
| 50   | 67554  | 47   | -65 | .   | 11    | 3.2  | 13    | 6.4  | 13    | 7.4  | 11    | 5.4  | 16    | 11.2 | 24    | 33.2 | 14    | 12.2 |
| 30   | 77968  | -276 | -57 | .   | 10    | 2.0  | 20    | 4.0  | 20    | 5.3  | 10    | 2.5  | 24    | 7.7  | 34    | 29.9 | 20    | 5.9  |
| 20   | 86638  | -243 | -51 | .   | 3     | 0.7  | 17    | 14.9 | 7     | 3.1  | 10    | 2.2  | 14    | 5.4  | 21    | 17.5 | 8     | 2.3  |
| 10   | 101462 | -423 | -40 | .   | 7     | 1.6  | 33    | 29.9 | 15    | 6.4  | 20    | 4.5  | 27    | 10.9 | 43    | 35.1 | 16    | 4.8  |

DEC Latitude= 2.50 Longitude= 42.50

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    | NW   |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  |
| SFC  | .      | .    | 29  | 18  | 0     | 0.0  | 7     | 67.0 | 6     | 26.1 | 6     | 0.6 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 1000 | 290    | -74  | 29  | 19  | 2     | 0.1  | 11    | 12.2 | 9     | 15.9 | 7     | 0.3 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 850  | 4945   | 165  | 19  | 13  | 8     | 0.1  | 15    | 44.6 | 12    | 1.1  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     | 0.0  |
| 700  | 10318  | 436  | 9   | 1   | 10    | 6.4  | 14    | 51.2 | 12    | 5.8  | 5     | 0.4 | 5     | 0.3  | 0     | 0.0  | 3     | 0.3  |
| 500  | 19215  | 926  | -5  | -18 | 8     | 4.8  | 14    | 19.9 | 10    | 11.7 | 6     | 1.6 | 6     | 0.9  | 5     | 1.7  | 6     | 2.0  |
| 400  | 24849  | 1275 | -16 | -31 | 13    | 9.8  | 15    | 25.4 | 12    | 9.3  | 7     | 2.7 | 8     | 3.0  | 6     | 5.4  | 10    | 6.1  |
| 300  | 31762  | 1697 | -31 | -45 | 15    | 16.7 | 14    | 18.5 | 13    | 10.6 | 12    | 3.5 | 12    | 4.5  | 11    | 8.2  | 16    | 11.2 |
| 250  | 35907  | 1908 | -41 | .   | 16    | 15.6 | 17    | 12.4 | 16    | 12.4 | 15    | 6.1 | 13    | 6.9  | 15    | 12.2 | 18    | 16.7 |
| 200  | 40762  | 2100 | -54 | .   | 17    | 13.0 | 16    | 10.4 | 18    | 13.5 | 15    | 6.4 | 14    | 9.9  | 19    | 17.2 | 19    | 17.0 |
| 150  | 46652  | 2005 | -68 | .   | 17    | 18.8 | 16    | 10.4 | 18    | 9.5  | 12    | 4.3 | 11    | 4.8  | 19    | 16.4 | 19    | 24.3 |
| 100  | 54377  | 1294 | -78 | .   | 13    | 12.2 | 13    | 13.0 | 17    | 19.3 | 12    | 6.4 | 10    | 6.9  | 17    | 15.8 | 17    | 19.0 |
| 70   | 61067  | 563  | -75 | .   | 11    | 6.6  | 11    | 14.1 | 10    | 7.5  | 12    | 5.9 | 15    | 13.5 | 16    | 20.4 | 11    | 9.8  |
| 50   | 67554  | 47   | -65 | .   | 10    | 3.5  | 12    | 5.8  | 14    | 7.4  | 13    | 5.8 | 20    | 13.3 | 23    | 30.8 | 15    | 11.2 |
| 30   | 77966  | -278 | -57 | .   | 10    | 0.9  | 22    | 5.6  | 16    | 5.9  | 11    | 3.8 | 30    | 13.2 | 33    | 25.4 | 24    | 3.8  |
| 20   | 86632  | -249 | -51 | .   | 7     | 0.4  | 9     | 3.5  | 8     | 2.5  | 10    | 2.3 | 20    | 10.5 | 19    | 13.3 | 9     | 1.4  |
| 10   | 101464 | -421 | -40 | .   | 14    | 0.9  | 17    | 7.0  | 17    | 5.1  | 19    | 4.8 | 39    | 21.2 | 38    | 26.7 | 18    | 2.9  |

DEC Latitude= 2.50 Longitude= 45.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 28  | 19  | 0     | 0.0  | 11    | 22.9 | 10    | 74.1 | 8     | 2.9  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     |
| 1000 | 299    | -65  | 28  | 20  | 3     | 0.1  | 13    | 27.7 | 14    | 70.4 | 10    | 1.4  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 4     |
| 850  | 4943   | 163  | 18  | 11  | 8     | 0.3  | 18    | 65.8 | 18    | 33.7 | 9     | 0.1  | 0     | 0.0 | 0     | 0.0  | 0     | 0.0  | 0     |
| 700  | 10312  | 430  | 9   | -1  | 10    | 8.2  | 12    | 43.5 | 13    | 36.2 | 9     | 7.9  | 3     | 1.6 | 5     | 0.8  | 4     | 0.6  | 6     |
| 500  | 19214  | 925  | -5  | -17 | 7     | 3.8  | 15    | 23.3 | 17    | 50.8 | 11    | 12.7 | 7     | 1.9 | 8     | 2.2  | 7     | 1.9  | 7     |
| 400  | 24848  | 1274 | -16 | -31 | 11    | 11.6 | 16    | 21.9 | 20    | 37.7 | 12    | 9.1  | 7     | 4.6 | 10    | 2.7  | 10    | 7.2  | 10    |
| 300  | 31763  | 1698 | -32 | -45 | 15    | 14.9 | 14    | 19.3 | 17    | 24.8 | 13    | 10.9 | 13    | 3.2 | 12    | 5.6  | 15    | 9.5  | 15    |
| 250  | 35906  | 1907 | -41 | .   | 16    | 15.1 | 18    | 10.8 | 18    | 20.3 | 17    | 10.9 | 15    | 6.2 | 17    | 6.1  | 16    | 12.9 | 19    |
| 200  | 40758  | 2096 | -54 | .   | 19    | 15.8 | 16    | 9.1  | 17    | 12.0 | 18    | 11.1 | 12    | 3.3 | 13    | 6.4  | 21    | 18.3 | 20    |
| 150  | 46647  | 2000 | -68 | .   | 13    | 13.2 | 15    | 12.2 | 16    | 18.2 | 11    | 7.5  | 11    | 6.6 | 12    | 7.5  | 18    | 18.0 | 17    |
| 100  | 54376  | 1293 | -78 | .   | 10    | 9.3  | 11    | 12.0 | 14    | 21.4 | 11    | 8.5  | 12    | 6.9 | 16    | 14.5 | 17    | 18.5 | 13    |
| 70   | 61068  | 564  | -75 | .   | 11    | 4.3  | 13    | 6.1  | 23    | 21.7 | 15    | 7.0  | 15    | 6.6 | 23    | 16.1 | 23    | 27.0 | 15    |
| 50   | 67556  | 49   | -65 | .   | 13    | 0.8  | 25    | 5.9  | 31    | 39.9 | 15    | 7.5  | 13    | 4.6 | 37    | 15.3 | 31    | 20.3 | 32    |
| 30   | 77963  | -281 | -57 | .   | 9     | 0.7  | 9     | 3.0  | 16    | 14.6 | 7     | 4.0  | 10    | 2.0 | 24    | 13.8 | 16    | 10.4 | 9     |
| 20   | 86630  | -251 | -51 | .   | 18    | 1.6  | 19    | 6.1  | 31    | 29.3 | 15    | 8.0  | 20    | 4.1 | 47    | 27.7 | 31    | 20.9 | 17    |
| 10   | 101458 | -427 | -40 | .   |       |      |       |      |       |      |       |      |       |     |       |      |       |      | 1.9   |

DEC Latitude= 5.00 Longitude= 40.00

| LVL  | HGT    | DVAL | TMP | DWP | N     | N    | NE    | NE   | E     | E    | SE    | SE   | S     | S   | SW    | SW   | W     | W    | NW    |
|------|--------|------|-----|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-------|------|-------|------|-------|
| (mb) | (ft)   | (ft) | (C) | (C) | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ  | SPD   | FRQ | SPD   | FRQ  | SPD   | FRQ  | SPD   |
|      |        |      |     |     | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%)  | (kts) | (%) | (kts) | (%)  | (kts) | (%)  | (kts) |
| SFC  | .      | .    | 21  | 12  | 6     | 3.2  | 5     | 22.5 | 6     | 49.0 | 6     | 22.9 | 3     | 0.6 | 2     | 0.3  | 0     | 0.0  | 0     |
| 1000 | 374    | 10   | 28  | 20  | 8     | 3.2  | 7     | 16.7 | 10    | 50.0 | 9     | 26.6 | 4     | 2.4 | 3     | 0.6  | 0     | 0.0  | 0     |
| 850  | 4944   | 164  | 20  | 13  | 0     | 0.0  | 10    | 10.6 | 11    | 65.3 | 10    | 21.9 | 4     | 1.6 | 0     | 0.0  | 0     | 0.0  | 0     |
| 700  | 10325  | 443  | 8   | 3   | 6     | 1.2  | 15    | 38.3 | 17    | 56.1 | 18    | 4.0  | 4     | 0.1 | 0     | 0.0  | 0     | 0.0  | 0     |
| 500  | 19225  | 936  | -5  | -18 | 10    | 3.8  | 13    | 19.8 | 18    | 60.1 | 11    | 11.7 | 10    | 1.2 | 7     | 1.4  | 4     | 0.9  | 6     |
| 400  | 24866  | 1292 | -16 | -31 | 14    | 9.0  | 15    | 25.3 | 19    | 45.3 | 11    | 8.8  | 7     | 2.7 | 8     | 2.4  | 9     | 2.9  | 8     |
| 300  | 31755  | 1690 | -31 | -45 | 17    | 18.7 | 17    | 17.7 | 17    | 22.5 | 13    | 10.1 | 12    | 5.6 | 11    | 5.4  | 13    | 9.5  | 12    |
| 250  | 35910  | 1911 | -42 | .   | 17    | 16.2 | 17    | 14.0 | 17    | 14.9 | 15    | 11.4 | 14    | 6.9 | 12    | 8.3  | 16    | 13.8 | 15    |
| 200  | 40762  | 2100 | -54 | .   | 16    | 14.9 | 16    | 8.5  | 16    | 9.1  | 17    | 11.6 | 17    | 7.5 | 14    | 7.5  | 18    | 19.5 | 17    |
| 150  | 46648  | 2001 | -68 | .   | 16    | 16.9 | 16    | 12.2 | 13    | 7.5  | 16    | 9.5  | 13    | 4.0 | 10    | 5.6  | 19    | 17.4 | 20    |
| 100  | 54364  | 1281 | -78 | .   | 16    | 14.1 | 13    | 13.0 | 17    | 19.1 | 12    | 7.9  | 12    | 4.8 | 11    | 5.1  | 16    | 14.8 | 16    |
| 70   | 61046  | 542  | -75 | .   | 9     | 9.5  | 11    | 11.4 | 14    | 25.0 | 11    | 9.5  | 10    | 5.3 | 13    | 8.8  | 16    | 16.9 | 12    |
| 50   | 67547  | 40   | -65 | .   | 9     | 4.5  | 12    | 9.8  | 22    | 25.9 | 12    | 6.2  | 11    | 6.2 | 17    | 10.4 | 23    | 27.5 | 16    |
| 30   | 77962  | -282 | -57 | .   | 10    | 3.8  | 19    | 6.7  | 30    | 40.9 | 15    | 5.1  | 12    | 3.7 | 23    | 8.8  | 36    | 23.7 | 19    |
| 20   | 86632  | -249 | -51 | .   | 5     | 1.5  | 8     | 4.5  | 14    | 9.9  | 5     | 2.8  | 10    | 3.1 | 17    | 5.5  | 21    | 18.5 | 9     |
| 10   | 101467 | -418 | -40 | .   | 10    | 3.2  | 16    | 9.0  | 28    | 19.9 | 11    | 5.8  | 20    | 6.4 | 33    | 11.2 | 42    | 37.0 | 18    |

DEC Latitude= 5.00 Longitude= 42.50

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 14         | 3                 | 0.6             | 7                  | 13.2             | 7                 | 59.0            | 6                  | 24.8             | 4                 | 0.9             | 0                  | 0.0              | 0                 | 0.0             | 2                  | 0.3              |
| 1000        | 314         | -50          | 29         | 18         | 3                 | 0.6             | 10                 | 14.6             | 9                 | 60.8            | 8                  | 21.4             | 5                 | 1.4             | 3                  | 0.1              | 0                 | 0.0             | 3                  | 0.3              |
| 850         | 4952        | 172          | 19         | 13         | 0                 | 0.0             | 13                 | 25.8             | 13                | 68.0            | 10                 | 6.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10323       | 441          | 8          | 1          | 11                | 5.1             | 14                 | 56.2             | 16                | 32.0            | 14                 | 5.8              | 3                 | 0.3             | 1                  | 0.1              | 0                 | 0.0             | 4                  | 0.1              |
| 500         | 19224       | 935          | -5         | -20        | 9                 | 4.8             | 14                 | 21.2             | 18                | 60.1            | 12                 | 9.0              | 8                 | 0.9             | 8                  | 0.9              | 6                 | 0.8             | 6                  | 1.7              |
| 400         | 24854       | 1280         | -16        | -32        | 12                | 11.9            | 16                 | 25.0             | 20                | 41.1            | 11                 | 7.4              | 9                 | 3.0             | 8                  | 2.4              | 10                | 3.5             | 10                 | 5.3              |
| 300         | 31761       | 1696         | -31        | -46        | 18                | 16.7            | 16                 | 18.7             | 16                | 23.8            | 14                 | 9.5              | 11                | 5.1             | 11                 | 5.1              | 13                | 9.9             | 15                 | 10.4             |
| 250         | 35907       | 1908         | -42        | .          | 19                | 17.4            | 17                 | 12.5             | 17                | 14.9            | 15                 | 10.4             | 13                | 7.4             | 13                 | 7.2              | 18                | 14.3            | 18                 | 15.4             |
| 200         | 40759       | 2097         | -54        | .          | 19                | 16.9            | 16                 | 7.5              | 18                | 7.7             | 16                 | 12.7             | 18                | 6.4             | 16                 | 8.5              | 19                | 19.0            | 20                 | 20.8             |
| 150         | 46647       | 2000         | -68        | .          | 19                | 18.2            | 16                 | 10.6             | 15                | 8.7             | 16                 | 8.8              | 15                | 5.4             | 13                 | 5.8              | 21                | 14.8            | 21                 | 27.4             |
| 100         | 54373       | 1290         | -78        | .          | 15                | 12.7            | 13                 | 13.7             | 17                | 17.2            | 12                 | 8.2              | 12                | 4.9             | 10                 | 6.2              | 16                | 14.9            | 16                 | 21.7             |
| 70          | 61062       | 558          | -75        | .          | 10                | 7.4             | 12                 | 13.0             | 14                | 23.3            | 13                 | 8.5              | 10                | 7.7             | 13                 | 10.1             | 16                | 17.5            | 14                 | 11.6             |
| 50          | 67552       | 45           | -65        | .          | 10                | 4.3             | 13                 | 8.2              | 22                | 24.6            | 12                 | 7.2              | 12                | 8.3             | 20                 | 12.4             | 24                | 25.0            | 16                 | 9.3              |
| 30          | 77972       | -272         | -57        | .          | 7                 | 1.6             | 24                 | 6.1              | 29                | 40.8            | 14                 | 7.0              | 13                | 4.6             | 30                 | 11.9             | 36                | 22.4            | 23                 | 5.3              |
| 20          | 86638       | -243         | -51        | .          | 6                 | 1.7             | 8                  | 4.3              | 14                | 9.5             | 6                  | 2.3              | 11                | 3.6             | 19                 | 9.7              | 21                | 15.9            | 10                 | 2.2              |
| 10          | 101472      | -413         | -40        | .          | 12                | 3.5             | 15                 | 8.7              | 29                | 19.0            | 12                 | 4.8              | 22                | 7.4             | 38                 | 19.6             | 43                | 31.9            | 19                 | 4.5              |

DEC Latitude= 5.00 Longitude= 45.00

| LVL<br>(mb) | HGT<br>(ft) | DVAL<br>(ft) | TMP<br>(C) | DWP<br>(C) | N<br>SPD<br>(kts) | N<br>FRQ<br>(%) | NE<br>SPD<br>(kts) | NE<br>FRQ<br>(%) | E<br>SPD<br>(kts) | E<br>FRQ<br>(%) | SE<br>SPD<br>(kts) | SE<br>FRQ<br>(%) | S<br>SPD<br>(kts) | S<br>FRQ<br>(%) | SW<br>SPD<br>(kts) | SW<br>FRQ<br>(%) | W<br>SPD<br>(kts) | W<br>FRQ<br>(%) | NW<br>SPD<br>(kts) | NW<br>FRQ<br>(%) |
|-------------|-------------|--------------|------------|------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|-------------------|-----------------|--------------------|------------------|
| SFC         | .           | .            | 28         | 16         | 0                 | 0.0             | 10                 | 7.0              | 10                | 90.6            | 10                 | 2.2              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 1000        | 317         | -47          | 28         | 18         | 2                 | 0.3             | 11                 | 10.4             | 12                | 84.0            | 10                 | 5.1              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 850         | 4950        | 170          | 18         | 12         | 0                 | 0.0             | 16                 | 45.6             | 17                | 54.3            | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              | 0                 | 0.0             | 0                  | 0.0              |
| 700         | 10319       | 437          | 9          | -0         | 12                | 6.7             | 13                 | 48.3             | 14                | 38.5            | 11                 | 4.9              | 4                 | 0.6             | 4                  | 0.1              | 4                 | 0.1             | 4                  | 0.3              |
| 500         | 19222       | 933          | -5         | -19        | 8                 | 4.0             | 14                 | 23.0             | 18                | 58.3            | 10                 | 7.9              | 5                 | 1.4             | 5                  | 0.9              | 6                 | 1.7             | 7                  | 2.2              |
| 400         | 24853       | 1279         | -16        | -32        | 12                | 11.4            | 18                 | 23.2             | 20                | 39.9            | 11                 | 8.7              | 8                 | 3.7             | 8                  | 2.9              | 11                | 5.4             | 11                 | 4.3              |
| 300         | 31761       | 1696         | -32        | -46        | 17                | 15.4            | 15                 | 14.1             | 17                | 26.6            | 14                 | 10.8             | 12                | 4.1             | 11                 | 6.7              | 14                | 8.0             | 15                 | 13.7             |
| 250         | 35904       | 1905         | -42        | .          | 19                | 16.1            | 18                 | 10.9             | 17                | 15.9            | 14                 | 13.2             | 16                | 7.2             | 16                 | 6.4              | 19                | 14.3            | 18                 | 15.4             |
| 200         | 40754       | 2092         | -54        | .          | 22                | 13.0            | 15                 | 8.5              | 17                | 11.6            | 16                 | 13.0             | 16                | 6.4             | 17                 | 9.6              | 21                | 18.8            | 22                 | 18.5             |
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| 100         | 54371       | 1288         | -78        | .          | 14                | 14.3            | 14                 | 13.0             | 17                | 16.4            | 12                 | 7.9              | 10                | 5.8             | 12                 | 6.4              | 17                | 17.5            | 17                 | 17.9             |
| 70          | 61064       | 560          | -75        | .          | 11                | 8.3             | 11                 | 12.7             | 14                | 24.0            | 11                 | 10.4             | 11                | 5.6             | 15                 | 13.5             | 18                | 15.9            | 14                 | 8.5              |
| 50          | 67554       | 47           | -65        | .          | 10                | 4.1             | 14                 | 8.7              | 21                | 24.3            | 12                 | 8.5              | 13                | 8.0             | 22                 | 14.9             | 26                | 22.7            | 16                 | 8.0              |
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