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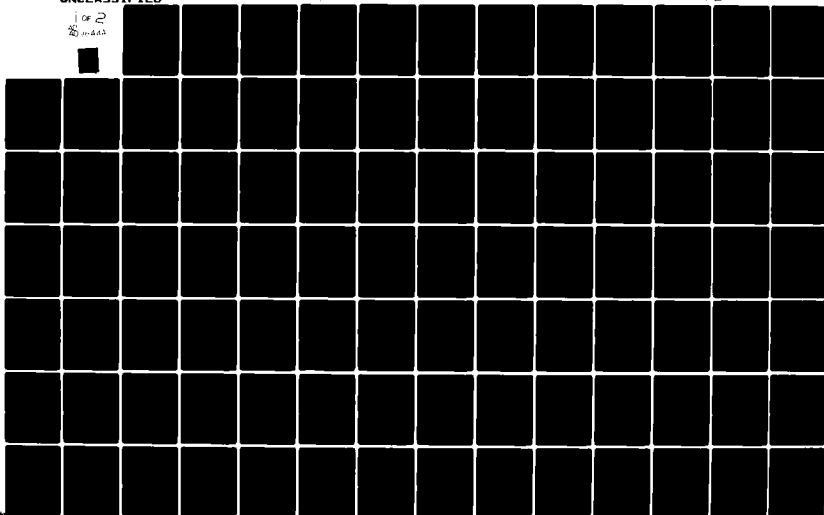
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ARCTIC OCEAN BUOY PROGRAM

Data Report

19 January 1979-31 December 1979

A. S. THORNDIKE
R. COLONY

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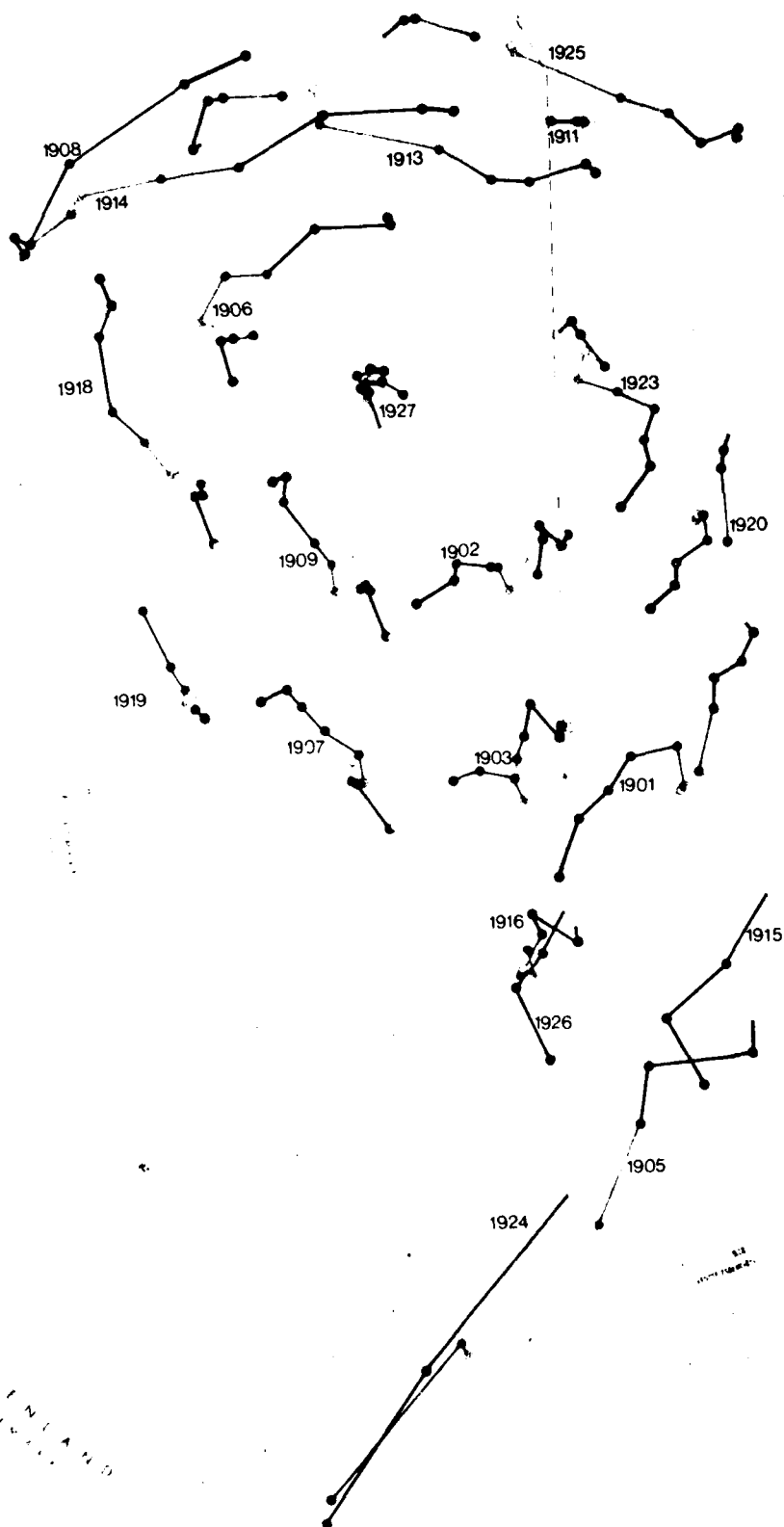
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The report covers the period 19 January 1979, when the first buoys were deployed, through 31 December 1979. Many of the buoys continued to operate well into 1980, and in April 1980 thirteen new buoys were deployed. It is planned to maintain the measurement program at about this level for several more years.

Raw data from the measurement program are available in real time on the Global Telecommunications System of the World Meteorological Organization. An appendix to this report describes the processed data sets which are available to interested users.



- INITIAL POSITION
- 1 FEBRUARY 1979
 - 1 MARCH
 - 1 APRIL
 - 1 MAY
 - 1 JUNE
 - 1 JULY
 - 1 AUGUST
 - 1 SEPTEMBER
 - 1 OCTOBER
 - 1 NOVEMBER
 - 1 DECEMBER
 - 1 JANUARY 1980

Arctic Ocean Buoy Program

Data Report

19 January 1979 to 31 December 1979

by

A. S. Thorndike

R. Colony

Polar Science Center
University of Washington
Seattle, Washington

1980

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Acknowledgment

The data published in this report provide a synoptic view of the ice motion and surface pressure over the Arctic Ocean for most of the year 1979. As principal investigators for the project which produced the data we express our appreciation to the authors of this report who carried the burden of the analysis, to Dr. Norbert Untersteiner who conceived the project and provided valuable counseling and assistance in carrying it out, and to C. R. Gillespie and Richard Roberts for their assistance in processing the data.

The program was supported by the Global Atmospheric Research Program, Division of Atmospheric Sciences and the Meteorology Program, Division of Polar Programs, National Science Foundation, and by the Office of Naval Research, Arctic Programs under contract N00014-78-C-0135.

Andreas Heiberg

Richard Trowbridge

October 1980

Frontispiece: The trajectories of each buoy are displayed by plotting the net buoy displacements for each month.

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I INTRODUCTION

As part of the United States contribution to the First GARP Global Experiment, an array of automatic data buoys was established in the Arctic Basin early in 1979. The objectives of the buoy program were to provide measurements of surface atmospheric pressure over the basin and to define the large scale field of motion of the sea ice. This report begins with an overview of the measurement program and the data processing procedures. This overview is followed by a presentation of processed data in two forms. The first consists of the time series of position, pressure, and temperature for each buoy, in tabular form. The second consists of charts of surface pressure. In addition to the isobars, these charts display the daily ice displacements. For both the tabular and graphical data the reporting interval is one day.

The report covers the period 19 January 1979, when the first buoys were deployed, through 31 December 1979. Many of the buoys continued to operate well into 1980, and in April 1980 thirteen new buoys were deployed. It is planned to maintain the measurement program at about this level for several more years.

Raw data from the measurement program are available in real time on the Global Telecommunications System of the World Meteorological Organization. An appendix to this report describes the processed data sets which are available to interested users.

II MEASUREMENT PROGRAM

II.1 Buoy Description

The buoy's basic internal components were a radio transmitter, some timing and coding logic, a pressure sensor, a temperature sensor, and a battery power supply. These were contained in a spherical hull of 62 cm radius (Brown and Kerut, 1978).

The buoys were dropped by parachute from C-130 (Hercules) aircraft at designated latitudes and longitudes. Since many of the drops were made in the dark or during cloudy weather, no attempt was made to select the kind of ice they landed on. It is possible that a buoy may have landed in an open lead or on a high pressure ridge, but the more reasonable assumption is that the buoys were situated on sea ice within a meter or so of sea level. During the winter, the buoys were probably partially covered by drifting snow. During summer some buoys may, at times, have been afloat in shallow melt ponds on the sea ice surface.

Five buoys did not survive the deployment. In two cases the device which disconnects the buoy from the parachute upon impact with the ice surface fired prematurely causing the buoy to crash. Reasons for the other three failures are not known. Of the sixteen buoys which survived deployment in the spring of 1979, eleven operated through the end of the year. Three more buoys were deployed during the fall of 1979. The approximate trajectory of each buoy is depicted in the frontispiece.

At one minute intervals each buoy transmitted a message of one second duration consisting of the buoy's identification code, and the measured pressure and temperature. These data were received by the TIROS-N and NOAA-A satellites when a satellite was within radio view of the buoy. The satellites had an orbital period of about 102 minutes. Since they were in nearly polar orbits, they saw high latitude buoys on every orbit. A satellite could see a given buoy for between 10 and 20 consecutive minutes. The 10 to 20 messages received during this period were compared with each other. All of these messages were not identical since the actual pressure and temperature usually changed measurably over 20 minutes and since there was some noise in the radio link. Typically, several of the messages were identical. The message from each orbit with the most identical repetitions was selected as the best measurement and the others were ignored. In this way each buoy produced about fourteen measurements of pressure and temperature per day early in the year when only one satellite was operating, and somewhat more when both satellites were operating.

The frequency of the radio signal received at the satellite was Doppler shifted because of the relative motion between the satellite and the buoy. Measurements of the variation in this frequency during the satellite pass could be related to the change in distance between the buoy and satellite and, with the known orbit of the satellite, sufficed to determine the location of the buoy.

The buoy messages were retransmitted by the satellite to receiving stations on the earth, and relayed to Service Argos in Toulouse, France. There the buoy messages were decoded, the pressure and temperature readings were converted into physical units, and the buoy locations were determined. Data were distributed over the Global Telecommunications System by Service Argos with a time lag of about 4-5 hours from the time of measurement. A magnetic tape containing all data from these buoys was forwarded by Service Argos each month to the Polar Science Center.

The accuracy of the position measurements was determined by examining 800 fixes from buoy 1921 which was permanently situated at the weather station at Barrow, Alaska. Two-thirds of the measured latitudes and longitudes fall within a circle of 300 m radius centered at the true location. Very few fixes are reported with large errors (greater than 10 km say). This reflects a careful screening of the data by Service Argos before it is disseminated. The screening process reduces the number of position measurements to about 10 per buoy per day per satellite.

II.2 Pressure Measurements

The pressure sensor used in the buoy was a quartz beam which oscillates at a resonant frequency dependent primarily on the pressure and to a lesser extent on the temperature. These sensors were selected because of their good long term stability and low power consumption. For properly aged sensors the advertised long term stability is on the order of 0.1 mb per year, (Paros, 1976). Several attempts were made to evaluate the field performance of the sensors. Before describing the results of these attempts a word about the original calibration procedure is required.

The sensors were calibrated by the manufacturer (Paroscientific, Redmond, Washington) by measuring the frequency of vibration of the quartz beam at pressures 900 mb, 950 mb, 1000 mb, 1050 mb and at temperatures -50°C , -30°C , -15°C , 0°C , 21°C . These measurements were made in the fall of 1978, and were supplied to the buoy manufacturer (Polar Research Laboratory, Santa Barbara, California) with the sensors. In the buoy, the pressure measurement was made by counting the sensor frequency for a time interval determined by a fixed number of cycles of the buoy clock. Since this clock was also temperature dependent, it was calibrated by the buoy manufacturer at the same set of temperatures. Thus the measured number of cycles n at pressure p and temperature T was

$$n = g(T) \cdot f(p, T)$$

where g was the time interval and f was the sensor output frequency.

The temperature was determined using a thermistor inside the housing of the pressure sensor, the output m of which was related to the temperature by

$$m = h(T).$$

Thus, given the measurements m and n and the calibration data f , h , and g ,

supplied by the manufacturers, it was possible to invert these equations to find the pressure and temperature. This was done by the buoy manufacturer and resulted in a polynomial expression which fit the original pressure data to within about 0.2 mb.

$$T = P_1(m)$$

$$p = P_2(n,T)$$

As a check of this procedure the manufacturer made readings from the completed buoys, calculated the pressures and compared these against a reference mercurial barometer. In most cases the results agreed to within 0.5 mb. Where larger discrepancies occurred, a correction was applied to the constant term in the polynomial. These polynomials were supplied to Service Argos and were used by them to convert the raw data into physical units.

Most of the buoys were tested again in Fairbanks, Alaska immediately prior to deployment. Results from these tests indicate discrepancies between the buoys of up to 2.5 mb (see Figure 1). These errors must either be attributed to errors

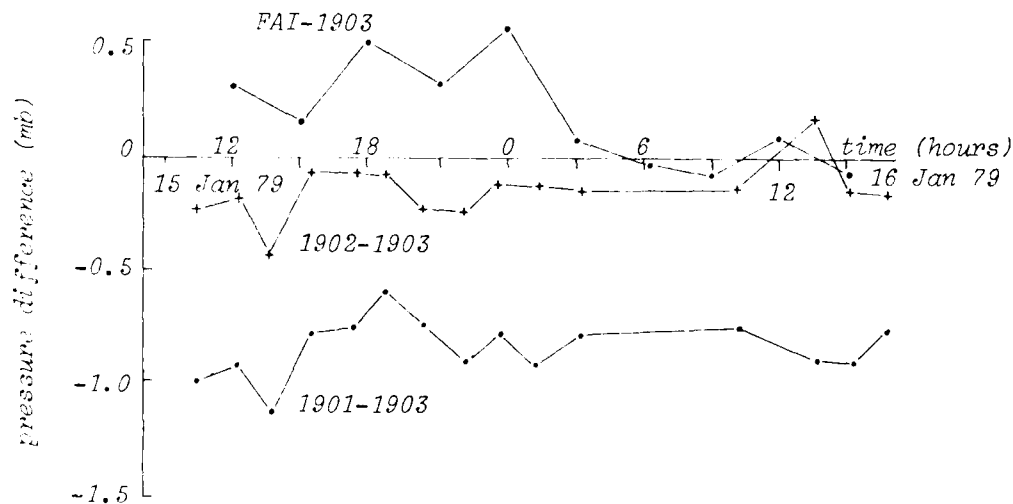


Figure 1a. Buoy pressure comparisons made at Fairbanks International Airport, just prior to deployment. Pressure differences for buoys 1901, 1902, and 1903. Reported pressures from the National Weather Service, corrected to runway level, were compared against pressures from buoy 1903 interpolated to the synoptic times. Temperature -16°C , pressure decreasing from 977 mb to 960 mb.

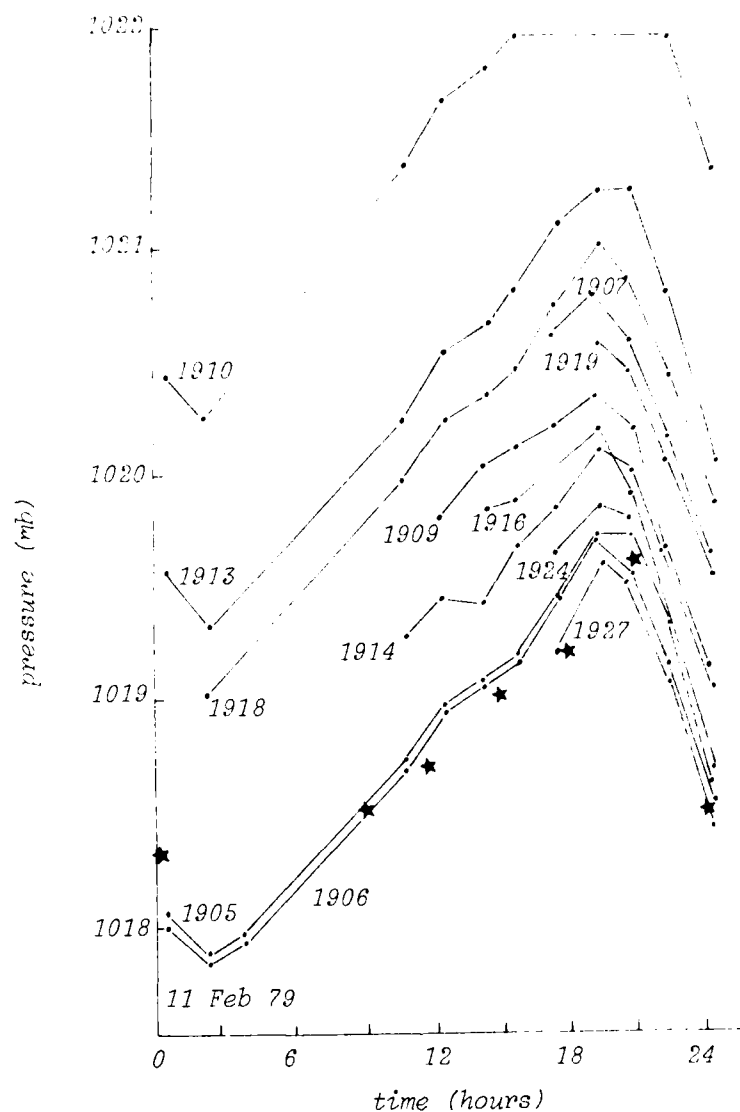


Figure 1b. Buoy pressure comparisons made at Fairbanks International Airport, just prior to deployment. Pressure for buoys 1905, 1906, 1907, 1909, 1910, 1913, 1914, 1916, 1918, 1924, 1927, and National Weather Service, corrected to runway level, indicated by the stars. Temperature -35°C .

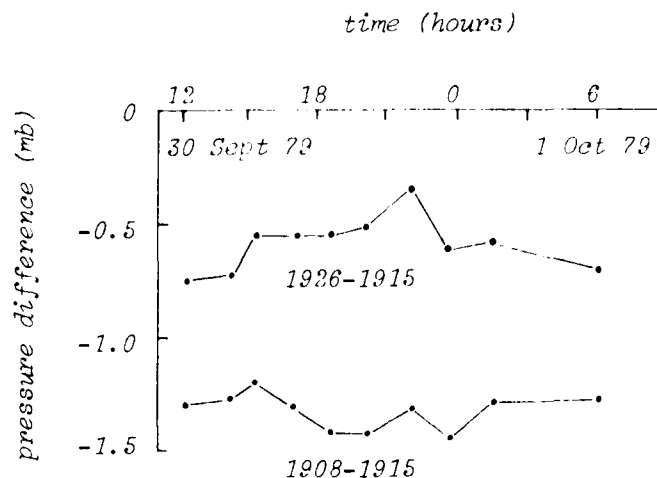


Figure 1c. Buoy pressure comparisons made at Fairbanks International Airport, just prior to deployment. Pressure differences for buoys 1908, 1915, and 1926.

in the original calibration data represented by g, f, and h or to actual changes in the characteristics of the sensors or buoy. Although the first possibility cannot be ruled out, a review of the original pressure calibration measurements embodied in f only turned up one error (for buoy 1913) and it had only a minor effect. A thorough test of the second possibility would have required repeated visits to each of the buoys, and this was not possible for logistic reasons. Several isolated pieces of evidence are available however.

The only long term comparison was for the reference buoy at Barrow. If the reported pressures from the buoy are interpolated to the synoptic time intervals, they can be compared to the readings reported for the Barrow weather station. The weather service readings were made from an aneroid barometer, checked periodically against a mercurial barometer, and adjusted to sea level. The reference buoy was located on top of the weather station at an elevation of about 9 m above sea level. Generally buoy readings were not adjusted to sea level, but for the sake of this comparison 1.0 mb was added to the reference buoy readings. When this adjustment was made the pressure indicated by the buoy during the spring of 1979 was 0.8 mb lower than the pressure reported by the weather service. A random variation of $1\sigma = 0.15$ mb was superimposed on this steady bias of -0.8 mb. The precision of the readings (1 count = 0.15 mb) accounts for the random fluctuations. A similar comparison in the fall of 1979

gave a bias of -1.0 mb and $1\sigma = 0.15$ mb. There is evidence then that this sensor has drifted 0.2 mb over a seven month period.

On three occasions it was possible to visit buoys after they were deployed. On 29 April 79, a flight was made from the drifting station Fram I to the vicinity of buoy 1916. The pressure reported by the buoy was 0.7 mb lower than the value read on the portable reference barometer. This was not consistent with the apparently high reading of this buoy at Fairbanks.

On 25 May 79, buoy 1903 was only 20 km from the drifting station LOREX - Snowsnake. The pressures reported by the buoy and by the observers at Snowsnake agreed to within 0.1 mb. This was consistent with the negligible offset observed for this buoy at Fairbanks.

On 11 December 79 a flight was made to the vicinity of buoy 1908. The results show this buoy reading about 1.5 mb low, and this was consistent with measurements made at Fairbanks ten weeks earlier.

It was possible to monitor the behavior of the buoy clock--which figures into the calibration through the function $g(T)$ --without visiting the buoys. This was because the buoy transmission times were determined by this clock. A change in the clock frequency results in a change in the time interval between transmissions. The times of reception were recorded by the satellite and reported with the data from Service Argos with a resolution of one second. Since the temperature is also known, it is possible to test the function $g(T)$. The results of tests which were done for most buoys indicated that the buoy clock varied with temperature in a manner which was consistent with its original calibration (see Figure 2).

In summary, the evidence which bears on the performance of the pressure sensors is not entirely consistent. Nevertheless the bulk of the evidence suggests that the sensors sustained offsets of typically 1 mb subsequent to their initial calibration but prior to deployment and that these offsets remained constant thereafter. The corrections in Table I have been applied to the data based on this interpretation. Since the level of confidence in these corrections is low, the data must be used with the understanding that unknown biases of about 1 mb are probable.

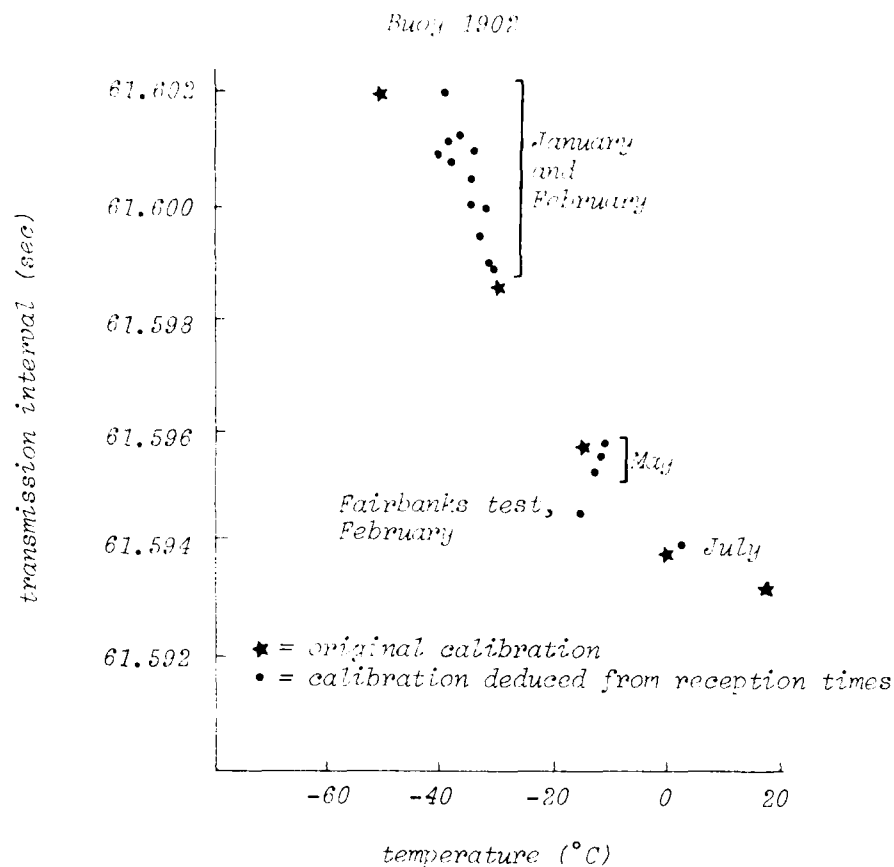


Figure 2. Clock frequency versus temperature for buoy 1902, showing agreement between the manufacturer's original clock calibration and that deduced from reception times after deployment.

TABLE I. Corrections applied to the pressure and temperature readings.

Buoy ID	1901	1906	1907	1908	1909	1913	1914	1915	1916	1918	1919	1926
Pressure Correction (mb)	0.8		-1.1	1.5	-0.6	-1.5	-0.4	0.3	-0.5	-1.2	-0.8	0.8
Temperature Correction (°C)		+6.4										

No corrections were applied to buoys 1902, 1903, 1905, 1911, 1917, 1920, 1923, 1924, 1925, or 1927.

II.3 Temperature Measurements

As noted, the temperature sensor was intended primarily to monitor the temperature of the pressure sensor. No attempts were made to verify the absolute accuracy of the temperature reading. Even in the absence of measurement and calibration errors, the interpretation of this temperature is difficult. It emphatically was not the ice, snow, or air temperature. It was the temperature inside the buoy, and consequently integrated the ice, snow and air temperature, and the long and short wave length radiative fluxes and cooling by the wind. The buoy temperature is believed to have been within a few degrees of the ambient air temperature even during periods of direct solar radiation (Martin and Clarke, 1978). A strong diurnal cycle, present in the raw data, especially during the spring, is suppressed in the daily averages reported below.

Buoy 1906 gave anomalously low temperatures in the Fairbanks test--a result also apparent in data after deployment. A correction of +6.4°C has been made to that buoy.

III DATA PROCESSING

The processed data set consists of estimates of atmospheric pressure, temperature, and ice velocity at a fixed grid of points in space and at 3 hour intervals in time. For a more complete description of the data set, see the appendix. The essential steps in the processing were i) editing the raw data to remove large errors, ii) interpolating the edited pressure, temperature, and location time series for each buoy, iii) merging the pressure and temperature with pressure and temperature data from other high latitude weather stations, and iv) interpolating to a fixed grid in space.

III.1 Editing

Because of the majority voting procedure for pressure and temperature and the quality control which Service Argos applied to the position data, the raw data series had few obvious errors. Each one month time series of each variable for each buoy was scanned for outlying points and those detected were deleted. No attempt was made to determine the reason for the outlying points or to try to correct them. Plots of the edited data permitted a visual quality check before further processing was done.

III.2 Interpolation in Time

The pressure and temperature data were interpolated linearly to the synoptic times 0000 GMT, 0300 GMT, ..., 2100 GMT. This interpolation introduced additional error into the pressure and temperature data. For the typical interpolation interval of about two hours the added errors in pressure were ± 0.01 mb. In the extreme and rare case of interpolation over 24 hours, the added error was about ± 2 mb. In the event of a gap in the raw data exceeding two days, no interpolations were made.

The procedure for interpolating the position data to the synoptic times used Kalman smoothing techniques similar to those described in Thorndike and Cheung, 1977. Typical estimation errors were ± 300 m for position and ± 1 cm sec^{-1} for velocity. When the data were sparse the estimation errors were substantially greater.

III.3 Merging with Land Station Data

Data from about 70 high latitude weather stations were received from the National Weather Service and added to the buoy data set (see Figure 3). Some editing was required for these data, and some interpolation in time was necessary to fill gaps of less than two days. Stations with a reporting gap exceeding two days were dropped from the data set for the month in which the gap occurred.

III.4 Interpolation in Space

For this report fields of atmospheric pressure and temperature were constructed by interpolation to a fixed grid of points (ϕ, λ) , where the latitude ϕ assumed the values 70°N , 72°N , ..., 90°N and the longitude λ assumed the values 0° , 10°E , ..., 350°E as shown in Figure 3.

The interpolation algorithm follows the optimal interpolation theory of Gandin, 1965. Assuming *a priori* knowledge of certain statistical properties of the field being interpolated, the theory provides weighting coefficients α_i , $i = 1, \dots, N$. These are used to construct the interpolated value $\hat{p}$ at the point (x, y) in terms of the available measurements $\tilde{p}_i$, $i = 1, \dots, N$ at the points (x_i, y_i) $i = 1, \dots, N$. Without loss of generality the field is assumed to have zero mean. The estimator $\hat{p}$ is given by

$$\hat{p} = \sum_{i=1}^N \alpha_i \tilde{p}_i. \quad (1)$$

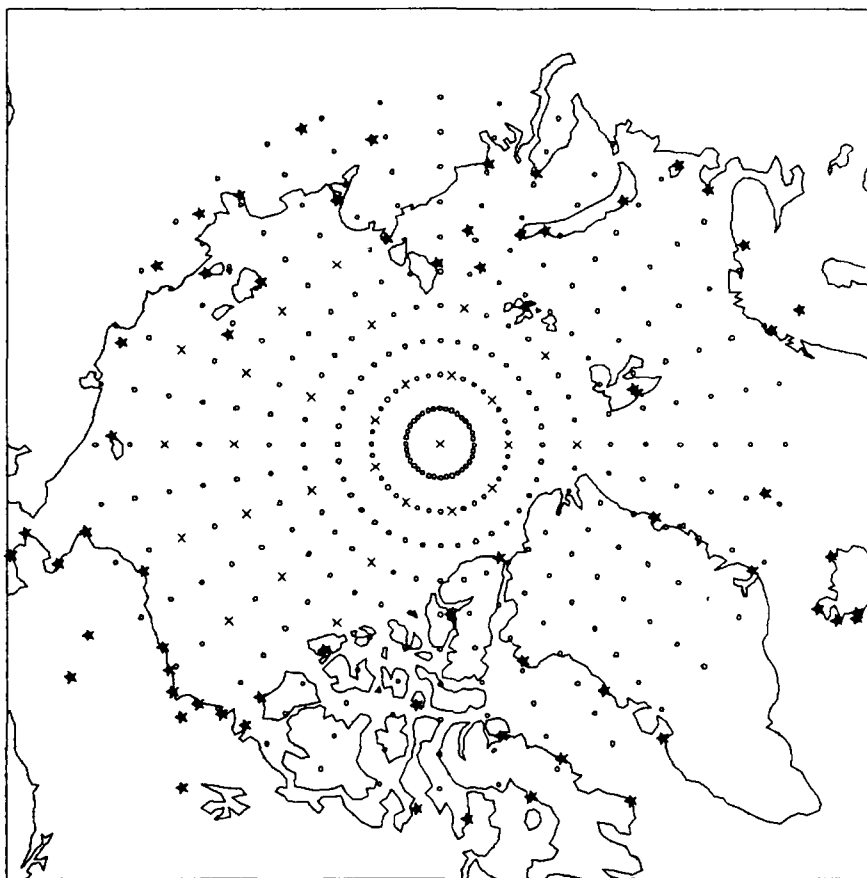


Figure 3. Interpolations of pressure and temperature are made to the grid points indicated by the symbols $\circ$ and $+$. The grid is 2° in latitude by 10° in longitude. Interpolations of ice velocity (not reported here) are made only to the $+$ grid. The locations of land weather stations used in the interpolation of pressure and temperature are denoted by the stars.

The theory also gives the variance of the estimation error

$$\text{var } \varepsilon = E(\hat{p} - p)^2 \quad (2)$$

where p is the true (but unknown) value of the quantity being estimated, and E is the expected value operator. The procedure is called "optimal" because the α_i are selected to minimize $\text{var } \varepsilon$. The measurements are assumed to include spatially uncorrelated errors e_i with variance σ^2 .

$$\tilde{p}_i = p_i + e_i$$

$$E p_i e_j = 0 \quad (3)$$

$$E e_i e_j = \sigma^2 \delta_{ij}$$

If equations 1 and 3 are introduced into 2, one obtains an expression for $\text{var } \varepsilon$ in terms of α_i , $i = 1, \dots, N$ and certain covariances which is to be minimized with respect to each α_i . Differentiating with respect to each α_i and equating to zero gives

$$\sum_j \left(E p_i p_j + \sigma^2 \delta_{ij} \right) \alpha_j = E p p_i$$

which can be written in the matrix form

$$\left(R + \frac{\sigma^2}{q^2} I \right) A = S$$

where $q^2 = E p_i p_i$, $q^2 R_{ij} = E p_i p_j$, and $q^2 S_j = E p p_j$. Thus

$$A = \left(R + \frac{\sigma^2}{q^2} I \right)^{-1} S$$

$$\hat{p} = A^T P, \quad \text{and} \quad (4)$$

$$\text{var } \varepsilon = q^2 \left(1 - A^T S \right).$$

These equations form the basis of the interpolation algorithm, where p represents either the deviation in pressure from an assumed mean, or the deviation in temperature from an assumed mean.

For some purposes it is useful to have estimates of the spatial derivatives of the pressure. These are required for instance to estimate the geostrophic wind. From equations 4 it follows that

$$\frac{\partial \hat{p}}{\partial \mathbf{x}} = \frac{\partial \hat{p}}{\partial \mathbf{x}} = \left[\left(\mathbf{R} + \frac{\sigma^2}{q^2} \mathbf{I} \right)^{-1} \frac{\partial \mathbf{S}}{\partial \mathbf{x}} \right]^T \mathbf{P}$$

and

(5)

$$\frac{\partial^2 \hat{p}}{\partial \mathbf{x}^2} = \frac{\partial^2 \hat{p}}{\partial \mathbf{x}^2} = \left[\left(\mathbf{R} + \frac{\sigma^2}{q^2} \mathbf{I} \right)^{-1} \frac{\partial^2 \mathbf{S}}{\partial \mathbf{x}^2} \right]^T \mathbf{P} ,$$

since, of the quantities on the right hand side, only $\mathbf{S}$ depends on the position $(\mathbf{x}, \mathbf{y})$. Thus one obtains estimates of the spatial derivatives simply by replacing the vector $\mathbf{S}$ in equation 4 by $\partial \mathbf{S} / \partial \mathbf{x}$, $\partial \mathbf{S} / \partial \mathbf{y}$, $\partial^2 \mathbf{S} / \partial \mathbf{x}^2$, $\partial^2 \mathbf{S} / \partial \mathbf{x} \partial \mathbf{y}$, $\partial^2 \mathbf{S} / \partial \mathbf{y}^2$, etc., as appropriate.

It remains to specify the autocorrelation function which appears in $\mathbf{R}$ and $\mathbf{S}$, q^2 , the variance of p , and σ^2 , the variance of the measurement error. Several authors have discussed the form of the spatial autocorrelation function for atmospheric pressure (see for example Julian et al., 1975). Since these studies have been based on mid-latitude data, a modest effort was undertaken to define an appropriate function for high latitudes. The sample cross correlation of pressure at two buoys is seen to depend on the distance between them as sketched in Figure 4. Several conclusions were drawn from the study. First, correlations typically fall to near zero at a distance of 1000 to 2000 km. Second, for some months a negative lobe in the correlation function was strongly indicated. Third, there was large scatter in the sample correlations. Fourth, there were large differences from month to month.

Tests with different forms of the autocorrelation functions and different length scales indicated that the resulting interpolated fields were not sensitive to the assumed autocorrelation. For that reason and because the sample autocorrelation function was not particularly well defined, we chose the simple isotropic model

$$R(d) = \exp - (d/L)^2 ,$$

where d is the separation distance, and L was taken as 1500 km.

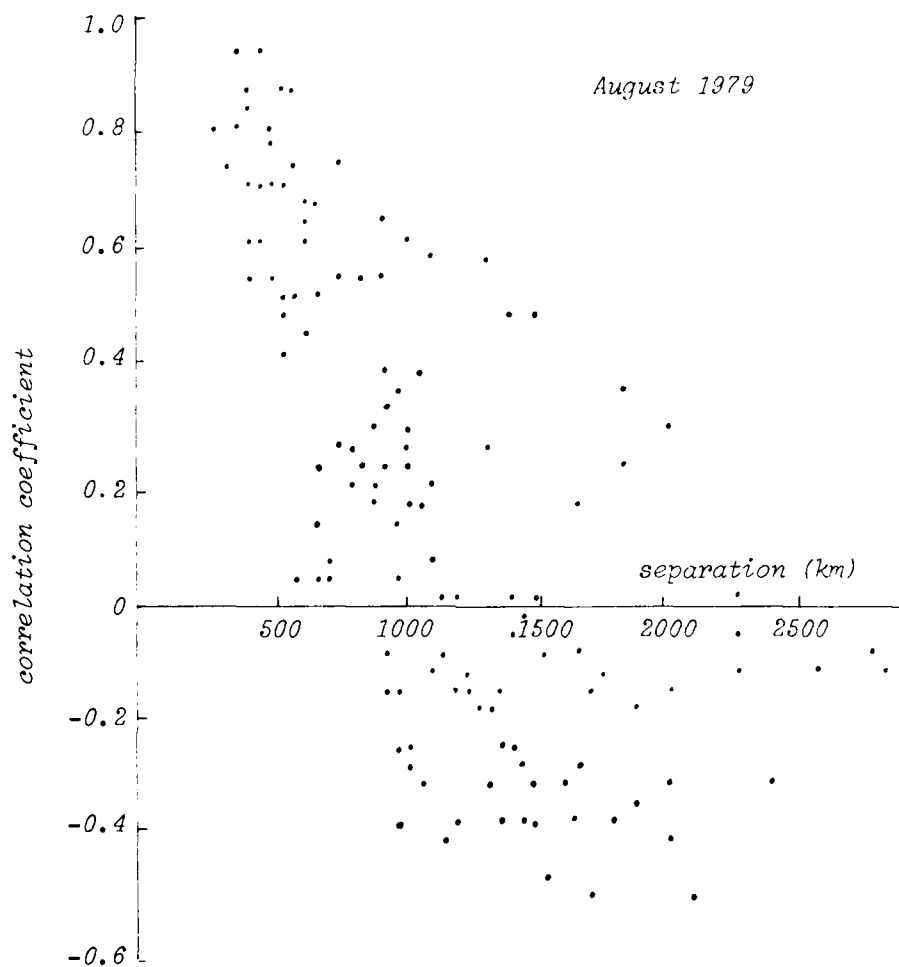


Figure 4. Sample correlation coefficients for pairs of buoys during August 79, versus separation between buoys. As noted in the text, there were marked differences in the sample correlations from one month to the next. This figure is not necessarily representative of data from other months.

The sample autocorrelations for temperature were even noisier than those for pressure, and it was not possible to discern with confidence any underlying structure. For convenience the temperature and pressure were assumed to have the same autocorrelation function.

Only the ratio of measurement error variance to signal variance σ^2/q^2 is needed in equations 4. In the present application the measurement errors are about $1\sigma = 2$ mb and 1°C . These numbers reflect errors which at any particular

station can be regarded as biases, roughly constant in time, but which across the array of stations are properly treated as random errors with zero means. The actual pressure and temperature signals over the region are characterized by variations of order $1q \approx 10$ mb and 5°C . Thus the ratio σ^2/q^2 is small compared to unity, and the interpolated results are insensitive to the values assigned to the ratio. The value $\sigma^2/q^2 = 0.04$ was used for interpolating the pressure and temperature fields.

In the optimal interpolation procedure the number of measurements N used to estimate p at a particular grid point need not equal the total number of measurements. In fact, experience of others typically has been that selecting measurements from only those stations most highly correlated with the grid point (i.e., the closest ones) tends to give better interpolation. It also reduces the computational burden. $N = 10$ was used here.

Associated with each grid point is a constellation of 10 measurement stations used in the interpolation. When this constellation is unchanged from one grid point to the next, the weights α_i and therefore the interpolated fields have a smooth variation guaranteed by the smoothness of the assumed autocorrelation function. When the constellation changes, discontinuous changes occur in the weights associated with the measurement stations which are either added or deleted. The effects of these discontinuous changes in the weights are hardly perceptible in the pressure (or temperature) field itself, but can easily be seen in the fields of finite differences of pressure. For this reason the estimates of spatial derivatives using optimal interpolation (equation 5) are preferred over direct finite differencing of the interpolated pressure field.

The interpolation equations (4) determine the variance of the interpolation error. The standard deviation of this error is typically about 1 mb, and 0.5°C although it is somewhat larger in data sparse regions. As Figure 5 illustrates, the interpolation error depends on the geometry of the constellation of measurement stations.

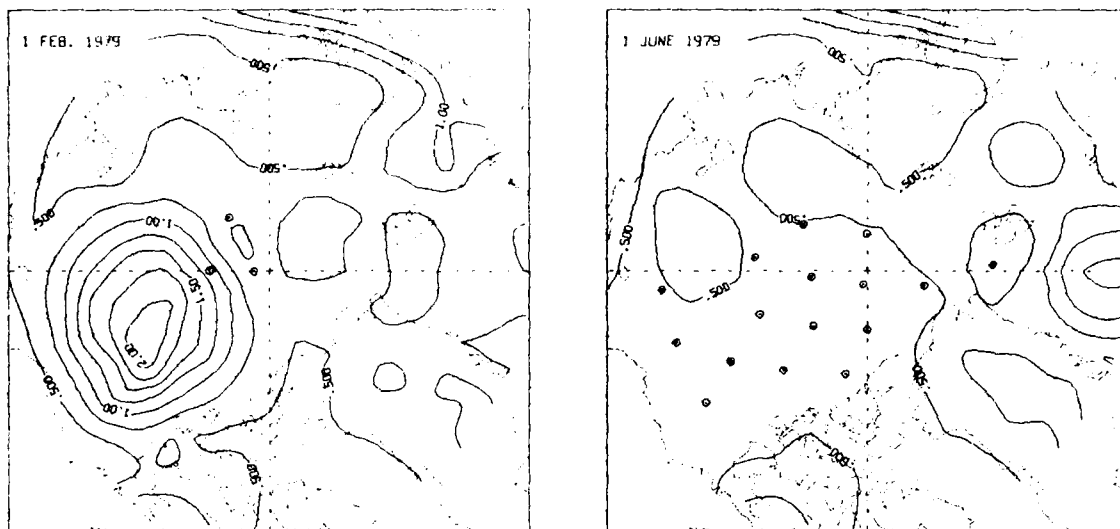


Figure 5. Interpolation error for surface pressure (a) on 1 February 79 during the first FGGE Special Observing Period when only 3 buoys had been deployed, and (b) on 1 June 79 during the second Special Observing Period when 16 buoys were operating.

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APPENDIX: AVAILABLE DATA SETS

These data sets have been prepared for archiving and dissemination to interested users.

Data Set A. Daily pressure and temperature fields.

These data can be read with the FORTRAN statements:

```
INTEGER  LAT, LD, LH, LONG, LM, LT, LY, PX, PXX, PXY, PY, PYY
REAL     EP, ET, P, T
READ     ( , 1) LT, LY, LM, LD, LH, LAT, LONG, P, T, EP, ET, PX, PY,
          PXX, PXY, PYY
1  FORMAT (I6, 4I3, I4, I5, F8.1, F7.1, 2F5.1, 2I5, 3I6)
```

LT gives the day number beginning with 1 January 1979 = 10592.
LY is the year less 1900. LY = 79.
LM is the month number; 1 for January, 2 for February, etc.
LD is the day of the month.
LH is the hour in Greenwich Mean Time; LH = 12.
LAT is the latitude in degrees north.
LONG is the longitude in degrees east.
P is the interpolated pressure in millibars.
T is the interpolated daily average temperature in degrees Celsius.
EP is the interpolation error variance in millibars squared.
ET is the interpolation error variance in degrees Celsius squared.
PX,PY are the interpolated pressure derivatives times 10^3 in the x and y direction (see note below).
PX and PY have units of millibars per 10^3 kilometers.
PXX,PXY, are the interpolated second derivatives of pressure times 10^6 .
PYY Their units are millibars/ $(10^3 \text{ kilometers})^2$.

The data set begins with 1200 GMT 19 January 1979 and ends with 1200 GMT 31 December 1979; a total of $361 \times 347 = 125,267$ records. One 2,400 foot magnetic tape is sufficient to hold the data.

Data Set B. Three hourly pressure and temperature fields.

This data set is the same as data set A with these exceptions: 1) the reporting interval is 3 instead of 24 hours. Therefore LH assumes the values 0, 3, 6, ..., 21. 2) T is the interpolated temperature at time LH. The data set begins with 0000 GMT 19 January 1979 and ends with 2100 GMT 31 December 1979; a total of $361 \times 347 \times 8 = 1,002,136$ records. Several full tapes are required to hold these data.

Data Set C. Daily buoy positions. These data can be read with the FORTRAN statements:

```
INTEGER    ID1, ID2, ID3, KEY, LD, LH, LM, LT, LY
REAL       BLAT1, BLAT2, BLAT3, BLONG1, BLONG2, BLONG3
READ       ( , 1) KEY, LT, LY, LM, LD, LH, ID1, BLAT1, BLONG1, ID2,
           BLAT2, BLONG2, ID3, BLAT3, BLONG3
1 FORMAT   (I2, I6, 4I3, 3(I4, F7.3, F9.3))
```

KEY always has the value 1.
LT,LY,LM,
LD,LH are as for data set A.
ID is the buoy identification code minus 1900.
BLAT is the buoy latitude in degrees north.
BLONG is the buoy longitude in degrees east.

The data set begins with 1200 GMT 19 February 1979 and ends with 1200 GMT 31 December 1979.

Data Set D. Interpolated ice velocity fields. This data set contains ice velocity estimates at a fixed grid of points (refer to Figure 3). The data can be read with these FORTRAN statements:

```
INTEGER    KEY, LAT, LD, LH, LM, LONG, LT, LY
REAL       DUDX, DUDY, DVDX, DVDY, SIGMA2, UX, UY
READ       ( , 1) KEY, LT, LY, LM, LD, LH, LAT, LONG, UX, UY, SIGMA2,
           DUDX, DUDY, DVDX, DVDY
1 FORMAT   (I2, I6, 4I3, I4, I5, 2F7.1, F5.1, 4F8.2)
```

where

KEY always has the value 2.
LT,LY,LM,
LD,LH are as for data set A.
LAT is the latitude of the grid point.
LONG is the longitude of the grid point.
UX is the interpolated ice velocity in the x direction in cm sec^{-1} .
See note below.
UY is the interpolated ice velocity in the y direction in cm sec^{-1} .
SIGMA2 is the variance of the interpolation error in velocity, in dimensionless units. No confidence should be placed on interpolated velocities for which $\text{SIGMA2} > 0.5$.
DUDX,DUDY, are interpolated velocity derivatives expressed in Cartesian
DVDX,DVDY coordinates. After multiplication by 10^{-7} the reported values have units of sec^{-1} .

The data set begins with 1200 GMT 19 February 1979 and ends with 1200 GMT 30 December 1979. One magnetic tape is sufficient to hold the data.

Note on coordinates. The pressure and velocity derivatives are expressed with respect to a rectangular coordinate system with the origin at the North Pole, and x axis coinciding with the Greenwich meridian, and the y axis with the 90E meridian. The transformation from latitude and longitude to x and y is

$$x = 110.949 (90 - \text{lat}) \cos (\text{long})$$

$$y = 110.949 (90 - \text{lat}) \sin (\text{long})$$

where x and y are in kilometers and latitude and longitude are in degrees.

Tape format. Each of the above data sets is stored on magnetic tape with these characteristics:

width	1/2 inch
number of tracks	9
coding	EBCDIC
parity	odd
density	1600 bpi
characters	
per record	80
characters	
per block	4800

Availability: These data sets are archived at the World Data Center A:

Glaciology. Inquiries should be addressed to

World Data Center A: Glaciology
Institute of Arctic and Alpine Research
University of Colorado
Boulder, Colorado 80309, USA
telephone (303) 492-5171

The authors of this report can be contacted at

University of Washington
Polar Science Center
4057 Roosevelt Way NE
Seattle, Washington 98105, USA
telephone (206) 543-6613

Tabular Data

The tables give daily data for each buoy. The buoys are identified by their Argos identification number less 1900. Thus buoy 1901 appears as buoy 1. The data are interpolated values for location and pressure at 1200 GMT. The reported temperature is the average of the temperatures at the eight synoptic intervals 0000 GMT, 0300 GMT, ..., 2100 GMT. Occasional gaps in the time series indicate periods where the data density was low, the raw data were extremely noisy, or the data processing procedures failed.

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Buoy 1

BUOY(1)		LAT	LON	P	T
JAN. 79		(N)	(+E,-W)	(MB)	(C)
19	19	84.946	129.805	1025.1	-38.6
20	20	84.957	129.351	1036.1	-38.4
21	21	84.939	128.637	1036.6	-32.9
22	22	84.926	127.702	1033.5	-30.2
23	23	84.923	127.171	1034.5	-30.9
24	24	84.936	126.819	1037.9	-30.3
25	25	84.946	126.723	1041.5	-34.4
26	26	84.953	126.613	1043.0	-35.8
27	27	84.937	126.385	1041.1	-33.5
28	28	84.921	126.360	1038.3	-35.0
29	29	84.918	126.444	1039.1	-35.1
30	30	84.922	126.534	1040.7	-39.0
31	31	84.936	126.565	1043.5	-40.6

BUOY (1)		LAT		LONG		P		T
FEB. 79		(N)		(+E,-W)		(MB)		(C)
32	1	84.942		126.466		1045.9		-39.1
33	2	84.953		126.208		1044.6		-39.1
34	3	84.945		125.753		1029.2		-35.8
35	4	84.924		125.961		1018.6		-30.7
36	5	84.970		126.534		1032.8		-35.7
37	6	85.000		126.766		1034.8		-39.4
38	7	84.994		126.758		1030.0		-37.7
39	8	85.000		126.703		1032.8		-39.2
40	9	85.006		126.483		1034.1		-40.3
41	10	85.015		126.442		1038.6		-41.5
42	11	85.031		126.335		1040.7		-42.1
43	12	85.055		126.110		1033.2		-41.0
44	13	85.046		126.025		1026.8		-38.7
45	14	85.057		126.098		1015.8		-42.4
46	15	85.072		125.847		999.6		-42.2
47	16	85.091		125.570		999.3		-42.1
48	17	85.085		125.591		1003.8		-43.2
49	18	85.087		126.173		988.0		-36.9
50	19	85.112		126.099		996.9		-43.0
51	20	85.149		125.537		1005.0		-44.2
52	21	85.184		125.353		1020.7		-42.4
53	22	85.206		124.898		1028.8		-41.7
54	23	85.210		124.067		1023.9		-36.6
55	24	85.236		122.586		1010.0		-28.8
56	25	85.349		121.241		996.7		-29.6
57	26	85.465		121.125		996.6		-35.6
58	27	85.500		121.298		1006.1		-37.9
59	28	85.551		122.173		1014.8		-32.7

BUOY(1)		LAT	LON	P	T
MAR. 79		(N)	(+E,-W)	(MB)	(C)
60	1	85.574	122.623	1025.6	-30.2
61	2	85.582	122.186	1037.7	-37.1
62	3	85.607	121.695	1037.8	-39.9
63	4	85.626	121.205	1028.4	-35.0
64	5	85.624	120.867	1015.0	-35.3
65	6	85.627	120.832	1013.5	-37.9
66	7	85.625	120.813	1021.7	-41.0
67	8	85.626	120.821	1033.3	-40.3
68	9	85.654	120.772	1043.5	-35.4
69	10	85.696	120.461	1049.4	-36.2
70	11	85.755	120.245	1053.0	-35.9
71	12	85.803	120.088	1058.9	-33.6
72	13	85.838	120.050	1062.7	-34.6
73	14	85.854	119.726	1055.0	-35.1
74	15	85.863	119.172	1050.8	-33.1
75	16	85.911	118.738	1046.5	-33.0
76	17	85.919	118.728	1038.1	-34.5
77	18	85.921	119.477	1032.3	-30.9
78	19	85.931	120.241	1039.0	-29.4
79	20	85.970	120.383	1036.9	-29.3
80	21	86.022	120.001	1026.8	-28.8
81	22	86.069	119.737	1019.9	-31.0
82	23	86.091	119.462	1022.8	-33.3
83	24	86.095	119.247	1029.1	-34.2
84	25	86.085	119.201	1035.0	-33.4
85	26	86.080	119.173	1036.6	-32.5
86	27	86.082	119.159	1040.8	-31.9
87	28	86.087	119.124	1046.2	-30.8
88	29	86.100	119.479	1040.3	-27.4
89	30	86.115	120.710	1032.4	-24.2
90	31	86.100	121.929	1033.7	-21.4

BUOY(1)		LAT	LON	P	T
APR. 79		(N)	(+E,-W)	(MB)	(C)
91	1	86.088	122.365	1036.6	-21.0
92	2	86.089	122.530	1033.8	-19.6
93	3	86.089	122.606	1033.1	-19.4
94	4	86.095	122.811	1031.0	-21.1
95	5	86.093	122.830	1026.8	-21.8
96	6	86.082	122.536	1027.9	-26.7
97	7	86.068	122.493	1022.6	-29.4
98	8	86.063	122.421	1026.0	-30.2
99	9	86.061	122.237	1031.9	-30.6
100	10	86.059	121.717	1036.8	-29.5
101	11	86.036	121.610	1027.4	-26.7
102	12	86.048	121.410	1027.6	-28.5
103	13	86.087	121.168	1038.5	-29.8
104	14	86.095	120.912	1038.5	-28.2
105	15	86.105	120.764	1041.7	-26.1
106	16	86.112	120.562	1043.7	-26.2
107	17	86.116	120.518	1045.4	-25.9
108	18	86.189	120.296	1031.8	-25.1
109	19	86.298	120.255	1017.6	-21.2
110	20	86.373	119.813	1012.5	-20.0
111	21	86.473	119.428	1007.0	-17.6
112	22	86.518	118.478	1003.9	-19.4
113	23	86.522	117.792	1003.4	-21.5
114	24	86.511	117.296	1006.2	-21.9
115	25	86.499	116.663	1008.7	-20.9
116	26	86.492	116.064	1013.6	-19.6
117	27	86.486	115.784	1016.4	-18.7
118	28	86.483	115.539	1017.5	-19.1
119	29	86.483	114.943	1021.1	-18.1
120	30	86.492	114.423	1021.0	-17.0

Buoy 1

BUOY(1)	LAT	LON	P	T	BUOY(1)	LAT	LON	P	T		
MAY 79	(N)	(+E,-W)	(MB)	(C)	JUNE 79	(N)	(+E,-W)	(MB)	(C)		
121	1	86.438	112.147	1008.6	-13.2	152	1	87.147	90.332	1016.5	-5.0
122	2	86.433	110.272	1010.6	-10.9	153	2	87.120	90.150	1016.4	-4.3
123	3	86.517	109.474	1028.2	-14.1	154	3	87.096	90.309	1015.0	-3.3
124	4	86.451	108.532	1000.3	-13.0	155	4	87.121	91.160	1015.4	-1.9
125	5	86.526	107.108	1012.9	-12.5	156	5	87.179	91.552	1016.6	-3.2
126	6	86.603	105.388	1013.7	-13.0	157	6	87.216	91.776	1021.1	-1.1
127	7	86.698	103.739	1022.3	-12.9	158	7	87.243	91.576	1022.2	1.1
128	8	86.751	102.211	1018.0	-9.1	159	8	87.280	90.873	1018.1	-0.9
129	9	86.826	101.258	1026.3	-7.3	160	9	87.320	89.820	1014.5	-3.4
130	10	86.830	101.024	1028.8	-8.4	161	10	87.359	88.787	1010.2	-2.8
131	11	86.820	99.977	1021.3	-8.2	162	11	87.395	87.497	1007.3	-1.0
132	12	86.839	99.479	1025.7	-7.2	163	12	87.486	85.868	996.7	.6
133	13	86.834	99.164	1024.7	-6.5	164	13	87.544	85.725	994.7	1.6
134	14	86.841	99.014	1022.4	-8.9	165	14	87.560	86.170	997.0	1.1
135	15	86.833	98.234	1020.1	-8.9	166	15	87.552	86.766	1003.0	.7
136	16	86.836	97.013	1020.3	-8.0	167	16	87.552	86.824	1010.0	1.5
137	17	86.836	95.819	1020.8	-7.3	168	17	87.585	86.958	1014.5	2.0
138	18	86.849	95.107	1020.1	-5.7	169	18	87.636	86.188	1015.0	2.3
139	19	86.870	94.553	1018.5	-4.8	170	19	87.658	84.704	1018.7	2.1
140	20	86.898	94.016	1022.0	-4.6	171	20	87.672	83.204	1017.1	1.8
141	21	86.928	92.932	1022.5	-5.7	172	21	87.708	80.140	1009.4	.8
142	22	86.953	91.922	1023.0	-5.2	173	22	87.705	78.889	1014.9	3.8
143	23	86.982	91.075	1020.8	-5.6	174	23	87.697	77.581	1020.3	4.3
144	24	87.002	90.031	1020.2	-5.4	175	24	87.738	76.270	1019.5	4.1
145	25	86.996	89.333	1021.3	-5.9	176	25	87.801	76.033	1014.6	4.3
146	26	86.987	89.065	1022.1	-5.5	177	26	87.843	75.998	1010.0	3.6
147	27	86.979	89.315	1026.6	-3.1	178	27	87.900	76.074	993.2	2.6
148	28	87.030	90.206	1023.0	-4.8	179	28	87.876	76.381	997.3	2.7
149	29	87.102	91.341	1018.9	-5.7	180	29	87.809	76.710	1005.9	2.8
150	30	87.149	91.419	1017.8	-5.3	181	30	87.754	76.862	1008.4	2.8
151	31	87.163	90.870	1018.8	-5.8						

BUOY(1)	LAT	LON	P	T	BUOY(1)	LAT	LON	P	T		
JULY 79	(N)	(+E,-W)	(MB)	(C)	AUG. 79	(N)	(+E,-W)	(MB)	(C)		
182	1	87.704	77.486	1012.0	2.8	213	1	87.313	83.094	1010.7	1.6
183	2	87.668	79.213	1014.8	3.6	214	2	87.331	82.057	1005.3	1.7
184	3	87.675	80.095	1011.7	3.4	215	3	87.374	81.020	998.2	1.8
185	4	87.671	80.935	1012.6	3.0	216	4	87.446	81.208	1000.3	1.0
186	5	87.678	81.018	1015.2	3.9	217	5	87.552	81.686	1007.5	.7
187	6	87.692	81.426	1013.6	2.9	218	6	87.583	81.517	1006.6	1.1
188	7	87.703	82.485	1009.0	2.4	219	7	87.588	81.888	1012.0	.9
189	8	87.641	84.199	1009.2	2.1	220	8	87.648	82.670	1010.2	1.1
190	9	87.636	84.338	1005.0	2.4	221	9	87.670	83.636	1008.6	.2
191	10	87.574	83.676	1014.5	2.1	222	10	87.563	86.073	1014.6	-1.4
192	11	87.537	83.697	1017.4	2.4	223	11	87.505	87.858	1015.3	-2.0
193	12	87.488	85.242	1010.9	2.3	224	12	87.500	88.629	1014.5	.6
194	13	87.422	85.475	1017.9	2.0	225	13	87.495	90.272	1011.3	1.0
195	14	87.360	86.960	1013.4	2.0	226	14	87.469	91.293	1016.3	1.1
196	15	87.240	86.732	1016.5	2.1	227	15	87.465	92.173	1021.1	1.3
197	16	87.173	86.630	1018.6	3.3	228	16	87.446	93.247	1024.9	1.5
198	17	87.159	87.202	1013.9	2.3	229	17	87.451	94.168	1024.2	2.5
199	18	87.109	87.952	1010.0	1.9	230	18	87.498	95.379	1021.5	2.4
200	19	87.098	88.579	1003.9	2.0	231	19	87.551	96.186	1024.4	.3
201	20	87.075	88.508	1001.8	1.9	232	20	87.597	97.141	1023.3	.7
202	21	87.026	87.411	1005.9	2.2	233	21	87.624	98.395	1019.7	1.2
203	22	86.969	87.146	1007.0	2.5	234	22	87.623	99.393	1020.3	1.1
204	23	86.875	87.890	1004.5	1.7	235	23	87.604	100.905	1016.3	.8
205	24	86.833	88.248	1001.0	1.6	236	24	87.572	102.637	1021.4	.2
206	25	86.861	89.025	998.9	1.3	237	25	87.592	103.921	1025.3	.6
207	26	86.874	88.406	995.2	1.7	238	26	87.643	104.910	1021.8	-.7
208	27	86.964	87.823	1000.7	1.8	239	27	87.683	105.490	1023.1	.6
209	28	87.088	86.940	1008.0	3.0	240	28	87.678	105.742	1030.8	.7
210	29	87.193	85.699	1011.7	1.8	241	29	87.642	106.150	1032.0	-1.4
211	30	87.247	84.897	1014.3	1.9	242	30	87.601	106.015	1031.9	-.5
212	31	87.288	84.156	1013.9	2.0	243	31	87.558	105.158	1031.1	-2.5

Buoy 1

BUOY(1)	LAT	LON	P	T	BUOY(1)	LAT	LON	P	T		
SEPT 79	(N)	(+E,-W)	(MB)	(C)	OCT. 79	(N)	(+E,-W)	(MB)	(C)		
244	1	87.520	104.086	1029.5	-3.6	274	1	88.544	106.006	1022.7	-9.6
245	2	87.523	103.257	1029.1	-4.3	275	2	88.568	104.708	1024.6	-12.2
246	3	87.547	102.892	1029.5	-3.4	276	3	88.623	102.561	1026.2	-15.6
247	4	87.564	102.586	1032.2	-3.0	277	4	88.657	101.407	1022.0	-11.1
248	5	87.582	102.531	1033.6	-3.4	278	5	88.727	99.825	1026.5	-10.3
249	6	87.613	102.346	1029.7	-5.6	279	6	88.778	98.080	1029.0	-13.1
250	7	87.647	101.301	1021.1	-6.2	280	7	88.807	98.189	1032.3	-15.8
251	8	87.624	99.270	1007.6	-6.4	281	8	88.827	99.270	1034.1	-20.0
252	9	87.566	99.039	1007.6	-5.8	282	9	88.761	103.598	1020.1	-16.8
253	10	87.561	100.699	1013.4	-7.4	283	10	88.689	103.284	1007.5	-12.8
254	11	87.621	101.869	1018.2	-7.4	284	11	88.673	98.685	1009.1	-13.9
255	12	87.722	102.379	1019.3	-5.7	285	12	88.730	95.258	1014.0	-13.3
256	13	87.860	102.484	1010.6	-4.7	286	13	88.806	95.339	1022.2	-11.7
257	14	87.904	104.092	1013.4	-1.2	287	14	88.878	94.563	1025.5	-13.7
258	15	87.917	105.782	1017.5	-0.9	288	15	88.925	92.252	1020.7	-16.7
259	16	87.936	107.548	1017.2	.0	289	16	89.026	89.025	1012.4	-16.6
260	17	87.936	109.821	1020.7	-1.8	290	17	89.083	86.944	1006.9	-16.5
261	18	87.958	111.464	1018.1	-7.0	291	18	89.141	85.560	1010.1	-17.6
262	19	88.003	112.989	1018.0	-8.6	292	19	89.240	80.968	1007.4	-18.9
263	20	88.070	113.234	1017.5	-5.1	293	20	89.333	75.265	998.6	-17.9
264	21	88.126	113.120	1011.0	-4.0	294	21	89.362	74.314	1004.2	-21.9
265	22	88.199	112.450	1004.1	-5.3	295	22	89.353	74.438	1017.1	-24.3
266	23	88.256	111.058	1009.3	-4.9	296	23	89.344	70.652	1014.9	-21.2
267	24	88.273	110.566	1017.0	-6.2	297	24	89.375	71.361	1015.3	-21.1
268	25	88.286	110.997	1015.5	-5.3	298	25	89.412	71.561	1015.8	-16.3
269	26	88.310	111.084	1016.5	-6.7	299	26	89.436	74.756	1004.2	-15.4
270	27	88.351	110.827	1020.2	-12.7	300	27	89.471	74.189	1009.1	-17.1
271	28	88.412	110.321	1025.5	-14.5	301	28	89.516	75.091	1010.7	-20.1
272	29	88.464	108.480	1024.9	-14.7	302	29	89.268	74.775	1010.8	-20.8
273	30	88.507	106.987	1023.0	-11.6	303	30	89.213	73.162	1020.1	-21.0
						304	31	89.143	70.246	1028.7	-20.4

BUOY(1)		LAT	LON	P	T	BUOY(1)		LAT	LON	P	T
NOV. 79		(N)	(+E,-W)	(MB)	(C)	DEC. 79		(N)	(+E,-W)	(MB)	(C)
305	1	89.137	67.349	1033.2	-21.1	335	1	89.012	18.726	1004.9	-23.8
306	2	89.198	67.165	1013.2	-17.4	336	2	89.002	16.711	1007.3	-24.7
307	3	89.156	66.283	1012.4	-16.7	337	3	88.962	16.201	1005.7	-24.6
308	4	89.164	63.643	1008.6	-18.8	338	4	88.920	15.771	1002.7	-22.6
309	5	89.216	59.490	1017.4	-17.3	339	5	88.891	15.179	1006.1	-22.8
310	6	89.302	54.709	1024.2	-15.7	340	6	88.867	15.827	1006.0	-23.0
311	7	89.405	48.980	1024.9	-15.3	341	7	88.868	15.738	1007.3	-22.5
312	8	89.479	45.545	1035.5	-16.9	342	8	88.867	15.657	1004.3	-19.3
313	9	89.524	41.445	1032.3	-18.0	343	9	88.873	15.493	1006.2	-17.8
314	10	89.543	36.157	1023.3	-18.3	344	10	88.879	15.318	1006.9	-18.8
315	11	89.491	29.973	1007.9	-17.6	345	11	88.880	15.117	1007.8	-19.2
316	12	89.423	24.130	1002.3	-16.4	346	12	88.856	15.349	1006.5	-20.7
317	13	89.360	23.616	1003.2	-17.1	347	13	88.823	16.287	1006.0	-22.7
318	14	89.316	25.849	1007.8	-18.9	348	14	88.813	17.015	1009.3	-22.9
319	15	89.301	28.378	1007.1	-18.9	349	15	88.817	17.243	1014.2	-24.1
320	16	89.253	31.416	1008.6	-19.3	350	16	88.848	15.907	1005.5	-21.5
321	17	89.198	34.125	1014.4	-21.0	351	17	88.840	15.647	1007.3	-19.2
322	18	89.217	33.063	1015.5	-20.7	352	18	88.840	16.016	1009.3	-19.3
323	19	89.226	26.974	1012.4	-18.7	353	19	88.814	16.113	1011.3	-20.9
324	20	89.209	22.568	1014.3	-18.6	354	20	88.871	13.219	978.8	-17.7
325	21	89.224	22.344	1012.0	-20.8	355	21	88.854	7.442	959.4	-14.7
326	22	89.272	23.929	1008.4	-20.0	356	22	88.757	2.817	949.8	-14.8
327	23	89.342	28.092	1000.7	-18.5	357	23	88.628	-.964	986.0	-14.0
328	24	89.357	27.856	993.9	-19.2	358	24	88.497	-1.410	1008.6	-15.6
329	25	89.355	21.517	1002.9	-19.4	359	25	88.433	-.523	1015.6	-19.9
330	26	89.346	14.617	1017.5	-18.6	360	26	88.444	-.990	1001.8	-21.1
331	27	89.258	15.524	1019.0	-20.3	361	27	88.418	-.441	1001.4	-22.4
332	28	89.169	17.536	1014.1	-18.0	362	28	88.356	-.064	1001.7	-21.9
333	29	89.084	20.244	1000.0	-18.3	363	29	88.247	-.706	1007.6	-23.7
334	30	89.039	19.151	1000.8	-20.6	364	30			1018.8	-24.2
						365	31	81.737	-4.308	1020.3	-23.1

Buoy 2

BUOY(2)	LAT	LON	P	T
JAN. 79	(N)	(+E,-W)	(MB)	(C)
23	23		1037.7	-37.4
24	24		1040.6	-39.5
25	25		1040.2	-37.5
26	26		1039.0	-35.6
27	27	84.739	1037.1	-34.1
28	28	84.753	1035.4	-29.5

BUOY(2)	LAT	LON	P	T
FEB. 79	(N)	(+E,-W)	(MB)	(C)
34	3	84.633	177.945	1022.3
35	4			1018.2
36	5			1031.0
37	6			1030.5
38	7	84.580	178.896	1025.2
39	8	84.586	178.892	1032.6
40	9	84.597	178.803	1032.5
41	10	84.602	178.780	1042.8
42	11	84.613	178.849	1041.9
43	12	84.624	179.017	1034.7
44	13			1020.7
45	14	84.640	178.823	1018.4
46	15	84.657	178.802	1003.9
47	16	84.684	178.923	997.0
48	17			1000.7
49	18			994.4
50	19	84.712	179.507	1001.9
51	20	84.765	179.525	1014.6
52	21			1029.0
53	22			1033.2
54	23	84.818	178.553	1025.5
55	24	84.903	177.991	1020.9
56	25	85.020	178.620	1013.0
57	26	85.030	179.487	1011.3
58	27			1011.4
59	28	85.013	-179.534	1016.0

BUOY(2)	LAT	LON	P	T
MAR. 79	(N)	(+E,-W)	(MB)	(C)
60	1	84.982	-178.549	1024.4
61	2			1037.4
62	3	84.939	-178.590	1037.8
63	4	84.961	-178.715	1030.2
64	5	85.001	-178.789	1021.6
65	6	85.003	-178.907	1016.6
66	7			1022.6
67	8	85.009	-178.754	1036.0
68	9	85.002	-178.729	1050.1
69	10	85.018	-178.506	1055.9
70	11	85.009	-178.211	1056.3
71	12	84.979	-178.288	1059.4
72	13	84.952	-178.382	1056.2
73	14	84.930	-178.400	1056.0
74	15	84.895	-178.099	1048.5
75	16	84.822	-177.815	1042.6
76	17	84.703	-177.448	1025.9
77	18	84.615	-177.274	1027.7
78	19	84.591	-176.973	1035.3
79	20	84.566	-176.845	1038.0
80	21	84.610	-176.622	1039.3
81	22	84.667	-176.152	1027.5
82	23	84.695	-175.977	1027.7
83	24	84.700	-175.988	1029.4
84	25	84.650	-175.676	1032.4
85	26	84.588	-175.285	1036.3
86	27	84.571	-175.258	1036.1
87	28	84.544	-175.429	1038.4
88	29	84.542	-175.271	1038.8
89	30	84.534	-175.026	1027.5
90	31	84.499	-174.816	1025.9

BUOY(2)	LAT	LON	P	T
APR. 79	(N)	(+E,-W)	(MB)	(C)
91	1	84.491	-174.841	1034.0
92	2	84.495	-174.831	1031.2
93	3	84.493	-174.832	1028.0
94	4	84.490	-174.814	1025.5
95	5	84.497	-174.859	1022.2
96	6	84.506	-175.010	1022.6
97	7	84.510	-175.008	1018.5
98	8	84.513	-175.058	1019.3
99	9	84.519	-175.174	1026.5
100	10	84.495	-175.489	1025.1
101	11	84.497	-175.451	1025.2
102	12	84.526	-175.316	1033.6
103	13	84.550	-175.266	1040.3
104	14	84.559	-175.370	1036.7
105	15	84.564	-175.362	1041.1
106	16	84.562	-175.385	1040.2
107	17	84.533	-175.572	1038.5
108	18	84.482	-175.639	1038.3
109	19	84.475	-175.333	1033.0
110	20	84.515	-174.705	1030.8
111	21	84.571	-174.234	1027.2
112	22	84.658	-173.692	1016.0
113	23	84.704	-173.770	1008.0
114	24	84.726	-174.047	1008.6
115	25	84.747	-174.249	1010.5
116	26	84.768	-174.376	1013.3
117	27	84.781	-174.552	1014.7
118	28	84.798	-174.595	1018.0
119	29	84.841	-174.681	1025.6
120	30	84.882	-174.981	1020.2

Buoy 2

BUOY(2)	LAT	LON	P	T	BUOY(2)	LAT	LON	P	T		
MAY 79	(N)	(+E,-W)	(MB)	(C)	JUNE 79	(N)	(+E,-W)	(MB)	(C)		
121	1	85.026	-175.996	1003.7	-9.2	152	1	85.640	-173.560	1014.3	-7.4
122	2	85.137	-174.871	1029.4	-13.1	153	2	85.654	-174.108	1007.0	-7.3
123	3	85.191	-174.823	1031.7	-14.1	154	3	85.582	-175.064	1003.9	-6.4
124	4	85.281	-175.489	1016.5	-14.4	155	4	85.505	-175.271	1014.4	-4.2
125	5	85.355	-174.998	1028.	-10.8	156	5	85.463	-175.093	1020.0	-3.5
126	6	85.412	-175.118	1022.5	-10.6	157	6	85.436	-174.992	1021.6	-2.9
127	7	85.428	-175.183	1030.3	-10.9	158	7	85.431	-175.047	1021.6	-3.3
128	8	85.454	-175.047	1036.5	-10.2	159	8	85.437	-175.213	1017.8	-4.2
129	9	85.490	-174.876	1030.8	-9.0	160	9	85.441	-175.440	1015.7	-4.3
130	10	85.501	-174.971	1029.1	-7.4	161	10	85.441	-175.346	1016.1	-2.5
131	11	85.543	-174.814	1027.5	-8.8	162	11	85.444	-175.016	1015.7	-1.1
132	12	85.565	-174.845	1026.9	-7.0	163	12	85.476	-174.352	1010.7	-1.4
133	13	85.581	-174.982	1023.3	-5.4	164	13	85.478	-172.896	1003.3	-1.6
134	14	85.578	-175.220	1019.9	-4.1	165	14	85.470	-172.196	998.4	.8
135	15	85.600	-175.300	1022.3	-4.5	166	15	85.423	-171.991	999.7	1.6
136	16	85.623	-175.347	1022.5	-7.4	167	16	85.386	-171.956	1010.7	1.6
137	17	85.625	-175.315	1021.4	-7.0	168	17	85.395	-171.914	1017.7	2.0
138	18	85.607	-175.289	1017.3	-8.0	169	18	85.405	-171.636	1020.9	2.1
139	19	85.572	-175.061	1018.0	-8.9	170	19	85.436	-171.262	1014.6	1.5
140	20	85.553	-174.692	1022.9	-7.5	171	20	85.416	-171.191	1018.5	1.2
141	21	85.544	-174.213	1026.0	-6.7	172	21	85.417	-170.932	1019.8	2.5
142	22	85.554	-173.599	1026.9	-7.5	173	22	85.499	-170.507	1015.4	2.1
143	23	85.574	-172.994	1023.7	-7.4	174	23	85.537	-170.649	1024.4	2.5
144	24	85.606	-172.700	1021.8	-7.4	175	24	85.532	-170.440	1025.9	3.1
145	25	85.651	-172.814	1021.0	-8.3	176	25	85.472	-169.933	1018.0	3.5
146	26	85.682	-173.112	1022.5	-8.7	177	26	85.414	-169.409	1012.8	3.7
147	27	85.701	-173.445	1025.7	-9.6	178	27	85.383	-168.802	1005.5	3.0
148	28	85.669	-173.447	1026.4	-9.4	179	28	85.413	-168.029	987.7	2.8
149	29	85.611	-173.711	1023.3	-6.6	180	29	85.437	-168.516	986.9	2.5
150	30	85.585	-173.492	1020.5	-6.4	181	30	85.387	-169.636	991.5	2.5
151	31	85.608	-173.390	1018.3	-6.6						

BUOY(2)	LAT	LON	P	T	BUOY(2)	LAT	LON	P	T		
JULY 79	(N)	(+E,-W)	(MB)	(C)	AUG. 79	(N)	(+E,-W)	(MB)	(C)		
182	1	85.368	-170.108	996.4	2.7	213	1	85.890	-162.714	1017.4	2.0
183	2	85.276	-170.564	1003.7	2.8	214	2	85.940	-162.605	1011.7	1.8
184	3	85.271	-171.086	1009.5	2.7	215	3	85.990	-162.468	1007.3	1.7
185	4	85.187	-170.647	1009.2	2.4	216	4	85.989	-162.083	1008.4	1.6
186	5	85.177	-170.127	1015.1	3.3	217	5	85.945	-161.374	1014.0	1.6
187	6	85.210	-169.967	1014.3	3.9	218	6	85.922	-160.391	1016.3	1.4
188	7	85.229	-170.030	1011.0	3.9	219	7	85.923	-159.360	1010.8	1.3
189	8	85.202	-169.569	999.9	3.0	220	8	85.960	-159.325	1015.5	.8
190	9	85.236	-169.665	1002.1	4.8	221	9	85.901	-159.103	1008.8	.6
191	10	85.235	-169.813	1006.3	3.4	222	10	85.884	-159.044	1003.1	-.4
192	11	85.272	-170.117	1011.1	3.2	223	11	85.781	-159.253	1006.2	-.7
193	12	85.253	-169.915	1004.4	2.6	224	12	85.711	-159.355	1012.1	-.3
194	13	85.271	-169.710	1013.7	3.4	225	13	85.631	-158.565	1009.8	.3
195	14	85.265	-169.085	1002.3	2.3	226	14	85.596	-157.742	1012.1	1.0
196	15	85.340	-169.046	1004.5	1.8	227	15	85.612	-157.779	1022.5	-.9
197	16	85.369	-169.012	1009.5	2.7	228	16	85.600	-157.547	1018.9	-.3
198	17	85.368	-169.004	1010.2	3.7	229	17	85.576	-157.410	1018.3	.3
199	18	85.388	-168.726	1006.6	2.9	230	18	85.502	-157.662	1019.7	1.9
200	19	85.390	-167.592	1010.2	2.0	231	19	85.465	-157.742	1022.5	1.8
201	20	85.476	-167.113	1006.1	1.7	232	20	85.445	-157.837	1021.6	1.0
202	21	85.572	-166.832	1003.1	1.3	233	21	85.413	-157.713	1015.9	.6
203	22	85.592	-167.585	988.0	.8	234	22	85.385	-157.835	1016.4	.7
204	23	85.531	-167.099	995.1	1.7	235	23	85.357	-157.904	1013.3	-1.0
205	24	85.541	-166.536	1003.4	1.9	236	24	85.326	-158.017	1016.9	-.7
206	25	85.577	-165.250	1009.7	1.6	237	25	85.269	-158.061	1020.6	-.8
207	26	85.639	-164.196	1009.9	1.8	238	26	85.232	-158.354	1021.7	.5
208	27	85.677	-162.952	1015.0	3.2	239	27	85.218	-158.364	1022.8	-1.5
209	28	85.707	-162.840	1021.2	2.9	240	28	85.187	-158.883	1020.5	-1.7
210	29	85.744	-162.852	1021.2	2.6	241	29	85.180	-160.210	1021.8	-3.1
211	30	85.801	-162.888	1019.1	2.6	242	30	85.173	-161.170	1021.8	-3.5
212	31	85.848	-162.880	1018.2	2.0	243	31	85.175	-162.297	1020.9	-3.6

Buoy 2

BUOY(2)	LAT	LON	P	T	BUOY(2)	LAT	LON	P	T		
SEPT 79	(N)	(+E,-W)	(MB)	(C)	OCT. 79	(N)	(+E,-W)	(MB)	(C)		
244	1	85.221	-162.772	1027.1	-4.8	274	1	85.183	-162.164	1027.2	-9.6
245	2	85.250	-162.812	1029.2	-3.7	275	2	85.194	-161.881	1029.9	-12.3
246	3	85.261	-163.294	1027.5	-3.9	276	3	85.210	-161.499	1029.8	-11.0
247	4	85.261	-163.896	1031.6	-4.6	277	4	85.211	-161.117	1029.9	-13.6
248	5	85.248	-164.013	1032.2	-6.4	278	5	85.216	-160.869	1032.8	-14.5
249	6	85.230	-164.061	1028.2	-6.4	279	6	85.216	-160.858	1033.5	-10.9
250	7	85.271	-164.693	1017.1	-8.5	280	7	85.176	-160.986	1031.5	-13.4
251	8	85.361	-165.830	997.4	-5.5	281	8	85.118	-161.276	1029.5	-18.9
252	9	85.374	-166.122	998.7	-5.3	282	9	85.035	-161.480	1009.5	-16.5
253	10	85.316	-166.224	1011.1	-8.1	283	10	85.051	-160.962	1010.9	-14.8
254	11	85.234	-166.194	1022.3	-7.5	284	11	85.119	-160.203	1020.6	-14.2
255	12	85.177	-165.793	1028.9	-7.8	285	12	85.126	-160.084	1022.0	-12.9
256	13	85.163	-165.097	1020.8	-6.3	286	13	85.048	-159.852	1030.8	-12.5
257	14	85.163	-164.455	1013.0	-5.7	287	14	85.020	-159.762	1031.7	-14.6
258	15	85.165	-164.442	1018.9	-5.9	288	15	84.996	-159.639	1027.3	-16.6
259	16	85.178	-164.401	1019.2	-8.9	289	16	84.968	-159.630	1023.5	-16.4
260	17	85.201	-164.124	1019.8	-7.3	290	17	84.960	-159.504	1018.1	-17.5
261	18	85.163	-164.202	1015.5	-3.3	291	18	84.941	-159.121	1020.4	-17.2
262	19	85.126	-164.765	1018.9	-3.7	292	19	84.932	-158.735	1023.4	-17.7
263	20	85.115	-164.559	1024.0	-7.4	293	20	84.916	-158.129	1019.9	-18.5
264	21	85.105	-164.131	1019.7	-11.3	294	21	84.890	-156.643	1010.9	-18.0
265	22	85.121	-163.393	1015.1	-11.5	295	22	84.834	-155.711	1015.2	-17.0
266	23	85.167	-162.898	1015.2	-10.2	296	23	84.793	-155.682	1016.1	-20.0
267	24	85.188	-162.721	1016.3	-10.3	297	24	84.751	-155.488	1018.1	-16.8
268	25	85.172	-162.905	1017.1	-7.7	298	25	84.708	-155.340	1016.5	-18.5
269	26	85.158	-162.738	1019.3	-8.1	299	26	84.674	-155.129	1008.4	-23.3
270	27	85.156	-162.556	1025.4	-9.2	300	27	84.687	-154.685	999.6	-21.0
271	28	85.148	-162.431	1027.5	-10.1	301	28	84.669	-154.327	1001.1	-27.2
272	29	85.156	-162.448	1027.5	-11.0	302	29	84.746	-154.289	1004.5	-29.2
273	30	85.174	-162.292	1027.3	-10.7	303	30	84.832	-154.229	1011.1	-27.8
						304	31	84.937	-153.890	1027.2	-23.3

BUOY(2)		LAT	LON	P	T	BUOY(2)		LAT	LON	P	T
NOV. 79		(N)	(+E,-W)	(MB)	(C)	DEC. 79		(N)	(+E,-W)	(MB)	(C)
305	1	84.974	-153.885	1037.5	-21.6	335	1	85.110	-152.173	1011.8	-32.1
306	2	84.957	-153.909	1029.9	-22.7	336	2	85.119	-152.115	1016.8	-32.4
307	3	84.950	-153.431	1021.1	-22.3	337	3	85.170	-151.744	1015.4	-27.8
308	4	84.964	-152.994	1022.0	-23.2	338	4	85.220	-151.582	1009.7	-28.6
309	5	84.957	-153.020	1030.4	-25.7	339	5	85.253	-151.800	1010.0	-28.8
310	6	84.935	-153.014	1037.8	-26.6	340	6	85.265	-151.985	1011.1	-30.3
311	7	84.904	-152.916	1036.3	-23.3	341	7	85.251	-151.940	1015.3	-29.4
312	8	84.869	-152.853	1040.2	-20.3	342	8	85.214	-151.813	1014.8	-28.4
313	9	84.835	-152.928	1039.3	-22.2	343	9	85.150	-151.522	1012.5	-26.6
314	10	84.800	-152.843	1033.0	-24.9	344	10	85.089	-151.195	1009.6	-27.0
315	11	84.782	-152.304	1023.3	-24.6	345	11	85.026	-150.911	1016.6	-28.2
316	12	84.812	-151.573	1011.3	-22.8	346	12	85.060	-150.401	1010.8	-29.8
317	13	84.856	-151.071	1003.3	-21.0	347	13	85.094	-150.376	999.2	-28.5
318	14	84.869	-150.930	1000.1	-23.7	348	14	85.087	-150.383	1005.4	-29.9
319	15	84.887	-150.990	998.0	-26.7	349	15				
320	16	84.922	-151.112	1000.9	-28.3	350	16				
321	17	84.954	-151.191	1005.8	-26.9	351	17				
322	18	84.950	-151.461	1014.2	-25.9	352	18	85.026	-150.291	1011.1	
323	19	84.938	-151.646	1017.0	-26.9	353	19				
324	20	84.900	-152.285	1009.3	-25.6	354	20				
325	21	84.825	-153.611	997.0	-23.4	355	21				
326	22	84.760	-154.085	998.6	-22.4	356	22	85.083	-145.919	990.5	
327	23	84.723	-153.873	1000.8	-26.2	357	23	85.129	-143.768	1006.5	-23.3
328	24	84.712	-153.291	1006.9	-28.6	358	24	85.164	-142.860	1011.4	-25.2
329	25	84.728	-152.738	1017.5	-29.7	359	25			1013.4	-29.8
330	26	84.791	-153.206	1012.6	-27.0	360	26				
331	27	84.901	-153.645	1013.6	-21.9	361	27				
332	28	84.988	-153.750	1005.6	-19.5	362	28				
333	29	85.054	-152.979	1006.2	-26.5	363	29				
334	30	85.104	-152.277	1004.8	-30.5	364	30				
						365	31	85.115	-142.318	1037.5	

Buoy 3

BUDY(3)		LAT	LON	P	T
JAN. 79		(N)	(+E,-W)	(MB)	(C)
20	20	88.920	179.697	1039.5	-37.8
21	21	88.934	178.726	1044.4	-34.9
22	22	88.947	177.264	1039.7	-36.5
23	23	88.934	177.705	1037.7	-35.3
24	24	88.931	178.846	1038.1	-33.6
25	25	88.935	178.969	1040.3	-34.6
26	26	88.945	178.797	1042.6	-36.0
27	27	88.952	178.543	1041.8	-33.4
28	28	88.955	178.566	1035.0	-35.2
29	29	88.932	-179.932	1034.1	-35.2
30	30	88.919	-177.524	1035.1	-36.8
31	31	88.894	-176.134	1037.3	-36.6

BUDY(3)		LAT	LON	P	T
FEB. 79		(N)	(+E,-W)	(MB)	(C)
32	1	88.837	-175.859	1038.8	-33.6
33	2	88.757	-175.355	1036.7	-28.9
34	3	88.681	-175.884	1021.3	-24.8
35	4	88.641	-177.099	1018.4	-27.7
36	5	88.647	-176.841	1027.5	-35.8
37	6	88.646	-175.784	1025.1	-38.4
38	7	88.644	-175.785	1025.8	-37.3
39	8	88.645	-175.781	1029.2	-34.3
40	9	88.656	-175.589	1034.4	-36.2
41	10	88.659	-175.383	1037.7	-37.5
42	11	88.669	-174.787	1036.7	-40.0
43	12	88.679	-173.880	1031.4	-39.5
44	13	88.679	-173.829	1019.9	-39.2
45	14	88.676	-173.467	1008.5	-36.9
46	15	88.699	-173.486	1003.5	-37.9
47	16	88.710	-173.895	999.9	-40.4
48	17			998.4	-42.4
49	18	88.718	-173.717	990.9	-42.8
50	19	88.776	-176.085	998.2	-41.7
51	20	88.821	-175.948	1009.0	-41.3
52	21			1020.1	-40.1
53	22	88.849	-174.379	1030.6	-40.7
54	23	88.868	-175.071	1035.1	-39.2
55	24			1031.2	-33.6
56	25	89.136	-179.134	1001.1	-28.3
57	26	89.171	-174.627	1000.7	-35.1
58	27			1000.1	-38.8
59	28			1010.9	-40.1

BUDY(3)		LAT	LON	P	T
MAR. 79		(N)	(+E,-W)	(MB)	(C)
60	1	89.180	-170.098	1025.4	-41.2
61	2	89.108	-169.244	1032.8	-35.8
62	3	89.059	-168.333	1036.9	-31.5
63	4	89.072	-167.711	1034.9	-33.6
64	5	89.102	-168.197	1019.9	-32.7
65	6	89.116	-168.357	1014.3	-37.0
66	7	89.112	-168.285	1017.2	-39.2
67	8	89.112	-168.302	1029.9	-39.4
68	9	89.106	-167.350	1041.4	-36.5
69	10	89.107	-165.517	1047.4	-35.2
70	11	89.073	-162.182	1051.7	-34.5
71	12	89.027	-159.848	1055.5	-32.7
72	13	88.977	-158.084	1058.2	-30.4
73	14	88.913	-157.229	1049.5	-28.8
74	15	88.811	-157.763	1044.3	-27.1
75	16	88.704	-158.604	1037.2	-25.1
76	17	88.569	-160.189	1024.6	-25.6
77	18	88.471	-159.174	1020.0	-25.6
78	19	88.419	-157.457	1029.2	-26.6
79	20	88.420	-156.742	1030.5	-27.4
80	21	88.426	-155.521	1031.1	-26.9
81	22	88.462	-153.608	1018.4	-28.2
82	23	88.479	-152.777	1021.4	-31.7
83	24	88.472	-152.591	1021.5	-31.5
84	25	88.390	-152.235	1022.0	-23.8
85	26	88.326	-152.156	1028.6	-22.6
86	27	88.314	-152.214	1032.9	-25.3
87	28	88.303	-152.871	1039.6	-26.7
88	29	88.289	-152.166	1032.2	-27.5
89	30	88.277	-151.609	1018.4	-22.3
90	31	88.275	-151.637	1028.0	-21.7

BUOY(3)		LAT	LON	P	T
APR. 79		(N)	(+E,-W)	(MB)	(C)
91	1	88.277	-151.773	1032.8	-25.1
92	2	88.279	-151.576	1029.6	-26.6
93	3	88.275	-151.620	1020.7	-22.0
94	4	88.278	-151.687	1019.8	-17.3
95	5	88.295	-152.213	1024.6	-26.1
96	6	88.315	-152.843	1019.9	-28.5
97	7	88.327	-153.195	1020.4	-30.7
98	8	88.336	-153.404	1024.0	-31.5
99	9	88.343	-153.579	1032.9	-29.0
100	10	88.344	-154.850	1031.4	-25.4
101	11	88.365	-155.749	1032.1	-22.6
102	12	88.392	-155.410	1029.8	-26.7
103	13	88.394	-154.158	1041.5	-28.0
104	14	88.394	-154.073	1040.8	-26.6
105	15	88.397	-153.963	1039.3	-25.6
106	16	88.396	-153.667	1041.8	-26.0
107	17	88.375	-154.143	1042.0	-26.7
108	18	88.323	-154.128	1036.5	-25.5
109	19	88.300	-152.186	1023.6	-23.2
110	20	88.321	-149.956	1022.5	-21.5
111	21	88.365	-146.667	1017.3	-20.0
112	22	88.446	-144.265	1011.5	-19.3
113	23	88.492	-143.726	1008.2	-19.6
114	24	88.521	-144.023	1011.7	-19.7
115	25	88.561	-144.287	1012.6	-17.6
116	26	88.593	-144.197	1015.6	-15.4
117	27	88.601	-144.401	1015.8	-15.7
118	28	88.607	-144.276	1020.0	-16.3
119	29	88.633	-143.863	1028.0	-16.3
120	30	88.667	-143.230	1028.7	-15.1

Buoy 3

BUOY(3)		LAT	LON	P	T
MAY 79		(N)	(+E,-W)	(MB)	(C)
121	1	88.788	-144.007	1018.4	-12.8
122	2	88.886	-140.743	1019.8	-10.5
123	3	88.896	-136.497	1036.5	-12.9
124	4	89.038	-136.701	1012.3	-11.5
125	5	89.091	-130.825	1025.5	-9.9
126	6	89.141	-126.229	1021.6	-9.2
127	7	89.159	-124.733	1030.7	-9.2
128	8	89.158	-119.253	1030.4	-9.4
129	9	89.146	-112.240	1026.2	-6.6
130	10	89.146	-112.082	1032.2	-5.7
131	11	89.175	-109.943	1024.2	-6.7
132	12	89.171	-108.196	1028.4	-7.0
133	13	89.180	-107.758	1024.0	-6.1
134	14	89.172	-108.248	1021.3	-5.8
135	15	89.180	-107.450	1025.6	-6.6
136	16	89.169	-105.434	1025.7	-7.1
137	17	89.192	-104.932	1023.7	-5.9
138	18	89.192	-105.883	1017.9	-4.8
139	19	89.168	-107.940	1018.0	-5.1
140	20	89.129	-110.046	1022.1	-5.9
141	21	89.087	-111.248	1024.2	-4.9
142	22	89.049	-110.687	1024.6	-4.2
143	23	89.022	-108.998	1021.6	-4.4
144	24	89.008	-107.541	1020.3	-5.2
145	25	89.066	-106.893	1017.9	-7.0
146	26	89.014	-106.354	1023.1	-5.2
147	27	89.017	-105.436	1025.1	-5.0
148	28	88.991	-105.785	1021.0	-4.6
149	29	88.926	-107.081	1016.6	-4.4
150	30	88.875	-107.700	1017.2	-3.7
151	31	88.866	-107.287	1018.4	-4.4

BUOY(3)		LAT	LON	P	T
JUNE 79		(N)	(+E,-W)	(MB)	(C)
152	1	88.878	-106.907	1016.2	-3.5
153	2	88.905	-106.513	1014.4	-4.5
154	3	88.981	-106.387	1010.5	-5.5
155	4	89.034	-106.740	1014.3	-4.3
156	5	89.028	-107.010	1016.7	-2.9
157	6	89.012	-108.269	1019.9	-3.0
158	7	88.992	-109.317	1022.0	-2.5
159	8	88.962	-109.700	1018.8	-2.1
160	9	88.935	-109.332	1016.5	-1.8
161	10	88.902	-108.764	1013.5	-1.4
162	11	88.869	-108.507	1013.8	-1.3
163	12	88.821	-105.826	1002.9	-0.6
164	13	88.766	-103.951	995.5	1.9
165	14	88.763	-103.957	994.3	3.5
166	15	88.767	-105.106	997.5	2.2
167	16	88.766	-107.534	1008.5	2.9
168	17	88.742	-107.584	1014.7	3.4
169	18	88.696	-106.746	1016.3	3.1
170	19	88.682	-105.665	1017.6	4.7
171	20	88.687	-105.430	1020.2	2.8
172	21	88.687	-104.353	1018.3	3.6
173	22	88.709	-100.862	1017.4	2.2
174	23	88.733	-99.364	1024.6	2.5
175	24	88.694	-99.253	1020.2	3.9
176	25	88.635	-100.773	1012.4	3.6
177	26	88.593	-102.202	1008.5	5.1
178	27	88.557	-102.155	999.2	4.9
179	28	88.576	-99.250	995.2	3.6
180	29	88.680	-97.485	1001.1	3.1
181	30	88.822	-97.721	1002.8	3.4

BUOY(3)		LAT	LON	P	T
JULY 79		(N)	(+E,-W)	(MB)	(C)
182	1	88.936	-99.205	1002.1	3.7
183	2	88.967	-102.852	1008.3	3.4
184	3	88.998	-106.498	1007.6	3.5
185	4	89.024	-107.870	1009.7	4.9
186	5	89.016	-108.394	1014.0	4.5
187	6	88.958	-109.214	1012.3	3.5
188	7	88.918	-109.123	1002.8	3.5
189	8	88.921	-109.613	1003.8	3.7
190	9	88.938	-108.135	1006.4	3.7
191	10	89.002	-107.812	1011.4	3.1
192	11	89.018	-109.536	1010.3	3.1
193	12	89.022	-109.689	1009.0	3.4
194	13	89.000	-110.133	1010.6	3.5
195	14	89.028	-112.890	1005.7	2.6
196	15	89.138	-111.152	1014.6	3.1
197	16	89.207	-110.618	1013.2	4.5
198	17	89.203	-112.281	1009.5	3.1
199	18	89.185	-114.286	1003.4	2.5
200	19	89.141	-113.468	1003.8	2.6
201	20	89.127	-104.023	1008.7	2.3
202	21	89.183	-97.499	1007.6	2.6
203	22	89.249	-94.856	999.0	2.7
204	23	89.355	-90.942	999.3	2.3
205	24	89.392	-86.856	997.3	2.5
206	25	89.349	-79.877	1002.2	2.4
207	26	89.280	-75.466	1002.7	2.1
208	27	89.175	-72.680	1005.5	2.1
209	28	89.092	-69.805	1014.1	4.0
210	29	89.015	-67.227	1019.5	2.7
211	30	88.965	-63.088	1020.4	2.8
212	31	88.929	-60.086	1017.1	2.8

BUOY(3)	LAT	LON	P	T	
AUG. 79	(N)	(+E,-W)	(MB)	(C)	
213	1	88.903	-58.001	1014.2	2.2
214	2	88.853	-55.682	1010.2	2.2
215	3	88.804	-53.650	1002.3	2.1
216	4	88.739	-52.954	1000.3	1.9
217	5	88.700	-54.108	1005.5	1.7
218	6	88.659	-54.636	1006.1	2.2
219	7	88.658	-54.759	1008.0	2.5
220	8	88.657	-55.818	1010.0	1.1
221	9	88.637	-54.202	1003.3	1.5
222	10	88.668	-50.859	1007.4	1.0
223	11	88.750	-48.989	1009.6	.6
224	12	88.790	-49.697	1008.0	1.3
225	13	88.814	-52.676	1002.8	1.7
226	14	88.831	-51.805	1014.9	1.6
227	15	88.810	-53.203	1015.4	1.3
228	16	88.839	-54.718	1018.7	1.7
229	17	88.856	-59.159	1014.4	2.0
230	18	88.866	-63.034	1016.0	2.1
231	19	88.856	-65.221	1020.5	2.0
232	20	88.826	-66.741	1015.8	1.7
233	21	88.828	-71.591	1012.7	1.4
234	22	88.840	-73.042	1014.8	.2
235	23	88.844	-72.796	1013.1	.1
236	24	88.847	-74.456	1012.9	-1.0
237	25	88.857	-77.414	1019.6	.8
238	26	88.828	-79.635	1019.4	.5
239	27	88.781	-80.386	1021.2	-0.0
240	28	88.795	-81.747	1027.0	-0.2
241	29	88.828	-83.919	1027.3	.6
242	30	88.860	-87.104	1028.6	-1.0
243	31	88.917	-89.923	1029.3	-1.2

Buoy 3

BUOY(3)		LAT	LON	P	T	BUOY(3)		LAT	LON	P	T
SEPT 79		(N)	(+E,-W)	(MB)	(C)	OCT. 79		(N)	(+E,-W)	(MB)	(C)
244	1	88.960	-90.503	1029.2	-2.5	274	1	88.062	-92.451	1022.7	-6.8
245	2	88.963	-90.405	1026.8	-1.5	275	2	88.025	-92.175	1026.3	-8.0
246	3	88.937	-89.367	1029.1	-1.7	276	3	87.945	-92.261	1027.2	-8.1
247	4	88.927	-90.052	1031.0	-2.8	277	4	87.929	-93.136	1023.3	-13.7
248	5	88.911	-91.436	1031.9	-3.6	278	5	87.872	-93.055	1029.5	-10.3
249	6	88.883	-92.463	1030.2	-4.6	279	6	87.824	-93.223	1029.9	-11.7
250	7	88.856	-91.701	1025.3	-6.1	280	7	87.777	-94.259	1028.9	-13.9
251	8	88.870	-90.478	1008.8	-5.7	281	8	87.729	-96.270	1026.8	-13.4
252	9	88.907	-91.950	1002.2	-6.9	282	9	87.738	-98.701	1015.4	-11.6
253	10	88.890	-93.712	1007.0	-6.0	283	10	87.825	-97.644	1013.8	-11.6
254	11	88.847	-96.773	1016.6	-5.5	284	11	87.830	-94.998	1021.1	-11.8
255	12	88.752	-98.306	1021.4	-5.1	285	12	87.817	-93.366	1020.2	-10.2
256	13	88.639	-97.139	1014.1	-4.9	286	13	87.783	-93.727	1023.8	-9.1
257	14	88.559	-94.267	1011.8	-5.8	287	14	87.730	-93.980	1030.1	-9.2
258	15	88.552	-92.447	1018.1	-5.9	288	15	87.703	-93.664	1024.3	-10.1
259	16	88.525	-90.955	1014.0	-3.2	289	16	87.662	-94.057	1019.1	-12.8
260	17	88.505	-91.421	1017.0	.4	290	17	87.602	-94.025	1011.7	-14.0
261	18	88.467	-93.120	1016.4	-2.3	291	18	87.548	-93.682	1013.8	-13.5
262	19	88.459	-93.697	1018.1	-8.4	292	19	87.486	-93.806	1015.7	-16.2
263	20	88.417	-93.822	1019.2	-8.3	293	20	87.404	-92.935	1009.0	-17.3
264	21	88.374	-93.293	1014.9	-5.4	294	21	87.346	-91.764	998.8	-17.6
265	22	88.335	-92.049	1007.3	-6.0	295	22	87.335	-92.524	1011.2	-22.0
266	23	88.293	-90.570	1010.8	-5.2	296	23	87.322	-93.031	1016.8	-22.2
267	24	88.283	-89.825	1011.1	-5.7	297	24	87.319	-92.686	1017.2	-21.3
268	25	88.275	-90.429	1012.1	-5.7	298	25	87.321	-92.731	1017.4	-20.2
269	26	88.272	-90.473	1016.4	-8.7	299	26	87.309	-92.209	1005.8	-17.6
270	27	88.237	-90.460	1018.2	-7.3	300	27	87.385	-92.009	1007.6	-21.6
271	28	88.180	-91.115	1023.7	-5.2	301	28	87.489	-91.773	1008.9	-21.0
272	29	88.143	-91.700	1026.5	-9.9	302	29	87.531	-91.045	1013.4	-20.6
273	30	88.106	-92.206	1025.0	-10.6	303	30	87.552	-89.766	1023.3	-18.9
						304	31	87.574	-88.829	1033.6	-19.9

BUOY(3)		LAT	LON	P	T
NOV. 79		(N)	(+E,-W)	(MB)	(C)
305	1	87.546	-88.707	1034.6	-21.3
306	2	87.516	-88.928	1019.1	-19.3
307	3	87.519	-88.896	1015.0	-21.3
308	4	87.500	-88.705	1012.3	-20.8
309	5	87.457	-88.833	1017.8	-20.4
310	6	87.380	-89.426	1025.5	-19.0
311	7	87.273	-90.153	1023.5	-18.9
312	8	87.197	-91.380	1031.6	-18.2
313	9	87.134	-92.268	1033.3	-22.8
314	10	87.098	-92.647	1029.7	-24.0

Buoy 5

BUOY(5)	LAT	LON	P	T	BUOY(5)	LAT	LON	P	T		
FEB. 79	(N)	(+E,-W)	(MB)	(C)	MAR. 79	(N)	(+E,-W)	(MB)	(C)		
49	18	83.263	35.640	1004.4	-30.1	60	1	82.868	32.160	1028.5	-40.4
50	19			1009.0	-38.5	61	2	82.965	31.623	1026.0	-34.2
51	20			1007.3	-38.6	62	3	83.050	30.460	1015.0	-31.8
52	21	83.241	34.850	1000.6	-35.4	63	4	83.098	28.801	1008.9	-28.6
53	22	83.299	33.344	1004.7	-31.5	64	5	83.080	27.150	1011.5	-24.4
54	23	83.301	32.132	1018.9	-32.4	65	6	83.050	26.268	1011.5	-27.5
55	24	83.243	31.616	1024.8	-34.1	66	7	83.043	25.819	1010.0	-31.5
56	25			1013.0	-31.1	67	8	83.026	25.064	1010.6	-30.0
57	26			995.4	-35.5	68	9	82.985	24.236	1023.0	-29.5
58	27			998.5	-39.4	69	10	82.934	23.545	1031.5	-30.0
59	28			1006.5	-42.4	70	11	82.907	22.840	1035.1	-26.3

71	12	82.900	21.813	1035.8	-26.2
72	13	82.889	21.037	1045.8	-26.2
73	14	82.924	20.599	1043.3	-27.9
74	15	82.964	20.313	1044.3	-29.4
75	16	82.970	20.117	1035.2	-30.9
76	17	83.020	19.881	1031.8	-29.4
77	18	83.158	20.204	1015.4	-21.6
78	19	83.232	19.970	1021.4	-22.3
79	20	83.214	19.459	1021.7	-24.7
80	21	83.192	18.976	1018.4	-25.7
81	22	83.159	18.826	1013.5	-28.9
82	23	83.132	18.726	1018.1	-26.9
83	24	83.156	18.651	1021.4	-25.7
84	25	83.233	18.621	1024.9	-20.6
85	26	83.290	18.383	1024.0	-22.6
86	27	83.324	17.776	1026.4	-22.8
87	28	83.317	16.662	1029.3	-21.6
88	29	83.353	15.781	1012.9	-17.2
89	30	83.369	15.450	1014.7	-12.6
90	31	83.422	14.826	1019.2	-8.9

BUOY(5)						BUOY(5)					
APR. 79						MAY 79					
		LAT	LON	P	T			LAT	LON	P	T
		(N)	(+E,-W)	(MB)	(C)			(N)	(+E,-W)	(MB)	(C)
91	1	83.393	14.575	1029.4	-9.8	121	1	82.271	10.730	1035.0	-15.9
92	2	83.355	14.459	1028.4	-13.3	122	2	82.203	10.531	1023.7	-15.1
93	3	83.385	14.449	1019.4	-11.5	123	3	82.119	10.050	1026.6	-13.0
94	4	83.334	14.573	1030.3	-19.8	124	4	82.040	9.409	1034.4	-12.5
95	5	83.264	14.493	1039.0	-25.2	125	5	81.960	9.264	1023.6	-12.9
96	6	83.226	14.473	1038.8	-27.9	126	6	81.814	9.187	1022.9	-11.7
97	7	83.222	14.571	1036.7	-26.3	127	7	81.649	9.088	1022.2	-10.8
98	8	83.229	14.681	1030.8	-24.3	128	8	81.517	8.737	1022.7	-11.3
99	9	83.212	14.605	1031.7	-22.8	129	9	81.423	8.660	1011.1	-10.6
100	10	83.159	14.239	1041.5	-24.2	130	10	81.357	7.705	1015.5	-12.6
101	11	83.129	14.177	1043.8	-25.7	131	11	81.269	6.314	1021.9	-11.8
102	12	83.090	14.486	1033.1	-21.0	132	12	81.199	5.714	1023.4	-10.5
103	13	82.982	14.241	1027.7	-20.9	133	13	81.126	5.284	1020.0	-9.9
104	14	82.934	13.775	1035.3	-24.6	134	14	81.069	4.863	1010.3	-9.6
105	15	82.920	13.622	1039.9	-24.9	135	15	81.020	4.334	1014.2	-9.5
106	16	82.904	13.544	1040.6	-24.8	136	16	80.949	3.618	1021.3	-8.3
107	17	82.881	13.342	1036.5	-25.1	137	17	80.878	3.181	1022.7	-8.9
108	18	82.840	13.003	1023.8	-24.6	138	18	80.842	2.763	1016.4	-7.6
109	19	82.781	12.901	1012.2	-24.1	139	19	80.795	2.293	1011.6	-7.9
110	20	82.688	13.038	1016.8	-22.6	140	20	80.761	1.775	1017.2	-7.9
111	21	82.625	13.180	1016.9	-21.9	141	21	80.722	1.447	1023.1	-8.3
112	22	82.566	13.342	1014.3	-21.8	142	22	80.669	1.359	1027.7	-6.5
113	23	82.527	13.428	1014.4	-20.3	143	23	80.645	1.628	1024.0	-6.1
114	24	82.506	13.378	1017.9	-18.7	144	24	80.671	2.123	1018.9	-4.1
115	25	82.482	13.282	1023.1	-17.3	145	25	80.697	2.356	1020.8	-1.8
116	26	82.458	13.185	1021.5	-16.3	146	26	80.713	2.327	1014.9	-1.5
117	27	82.445	13.090	1018.8	-15.5	147	27	80.659	1.881	999.7	-2.5
118	28	82.438	12.700	1012.4	-15.2	148	28	80.520	1.255	993.4	-3.0
119	29	82.388	11.868	1023.6	-15.9	149	29	80.262	1.929	1007.9	-4.2
120	30	82.317	11.257	1029.8	-15.6	150	30	80.187	2.357	1016.3	-2.9

Buoy 5

BUOY(5)		LAT	LON	P	T	BUOY(5)		LAT	LON	P	T
JUNE 79		(N)	(+E,-W)	(MB)	(C)	JULY 79		(N)	(+E,-W)	(MB)	(C)
152	1	80.224	2.634	1011.9	-0.4	182	1	77.744	-5.343	1011.7	1.9
153	2	80.210	2.324	1007.0	-0.4	183	2	77.576	-5.593	1006.3	1.8
154	3	80.063	1.765	1007.6	-1.7	184	3	77.420	-6.003	1006.1	1.8
155	4	79.900	2.080	1016.0	-2.7	185	4	77.338	-6.069	1011.8	2.9
156	5	79.855	2.105	1016.4	-0.5	186	5	77.247	-6.015	1009.6	2.7
157	6	79.846	2.027	1018.8	-1.8	187	6	77.303	-5.822	1001.2	1.9
158	7	79.835	1.520	1017.5	-1.7	188	7	77.331	-5.570	1001.0	1.5
159	8	79.790	1.071	1012.2	-2.0	189	8	77.314	-5.190	1010.9	1.5
160	9	79.740	.642	1011.3	-2.8	190	9	77.360	-5.135	1014.5	1.4
161	10	79.675	.150	1008.3	-3.2	191	10	77.387	-5.511	1013.5	2.8
162	11	79.630	-.184	1010.2	-3.5	192	11	77.364	-5.562	1011.7	3.2
163	12	79.580	-.362	1006.5	-2.3	193	12	77.424	-5.501	1013.9	1.8
164	13	79.531	-.452	1001.4	-0.6	194	13	77.541	-5.590	1012.3	1.6
165	14	79.469	-.677	1004.6	-0.1	195	14	77.619	-5.733	1019.5	1.9
166	15	79.427	-.733	999.5	-0.8	196	15	77.649	-5.932	1017.1	2.1
167	16	79.395	-.568	1005.1	-0.3	197	16	77.685	-6.075	1014.2	2.0
168	17	79.342	-.593	1011.9	.6	198	17	77.735	-6.185	1013.6	1.9
169	18	79.253	-.922	1016.5	-0.5	199	18	77.825	-6.226	1008.3	1.5
170	19	79.164	-1.161	1018.5	-0.1	200	19	77.824	-6.371	1010.2	1.5
171	20	79.073	-1.432	1019.1	.1	201	20	77.673	-7.400	1017.2	2.3
172	21	78.948	-2.024	1019.1	.4	202	21	77.635	-8.455	1020.7	5.8
173	22	78.795	-2.393	1021.3	.2	203	22	77.600	-8.732	1018.7	5.6
174	23	78.694	-2.677	1023.2	-0.0	204	23	77.626	-9.002	1014.6	4.3
175	24	78.617	-3.504	1016.2	1.1	205	24	77.636	-9.447	1019.5	5.4
176	25	78.534	-3.680	1009.6	1.8	206	25	77.648	-9.884	1016.0	4.8
177	26	78.410	-3.924	1001.3	2.2	207	26	77.648	-10.088	1006.5	3.5
178	27	78.275	-3.890	1003.8	1.6	208	27	77.588	-10.320	1009.1	3.5
179	28	78.200	-3.972	1009.6	4.0	209	28	77.593	-10.316	1012.7	5.3
180	29	78.101	-4.291	1015.4	3.9	210	29	77.563	-10.447	1015.9	4.3
181	30	77.924	-4.762	1013.1	1.9	211	30	77.514	-10.708	1018.7	2.7
						212	31	77.479	-10.925	1015.8	2.4

BUOY(5)		LAT	LON	P	T	BUOY(5)		LAT	LON	P	T
AUG. 79		(N)	(+E,-W)	(MB)	(C)	SEPT 79		(N)	(+E,-W)	(MB)	(C)
213	1	77.446	-11.104	1013.5	2.2	244	1	77.633	-11.611	1028.9	-1.7
214	2	77.396	-11.262	1010.3	1.7	245	2	77.569	-12.008	1024.2	-1.6
215	3	77.385	-11.383	1006.3	1.9	246	3	77.445	-12.094	1023.8	-1.8
216	4	77.373	-11.208	1002.2	2.1	247	4	77.331	-12.048	1022.0	-1.8
217	5	77.326	-11.268	1002.3	2.0	248	5	77.277	-12.063	1021.2	-2.0
218	6	77.259	-11.249	1002.5	2.2	249	6	77.197	-12.242	1022.1	-2.1
219	7	77.194	-11.226	1009.8	.1	250	7	77.180	-12.173	1021.1	-2.7
220	8	77.189	-10.790	1009.7	.1	251	8	77.073	-12.448	1010.9	-2.4
221	9	77.223	-10.682	1013.2	.3	252	9	76.922	-12.443	994.3	-2.6
222	10	77.126	-11.071	1009.6	-0.1	253	10	76.750	-12.588	995.9	-2.5
223	11	77.062	-10.968	1008.4	-0.1	254	11	76.531	-13.722	1001.6	-2.9
224	12	77.070	-10.319	1007.2	-0.3	255	12	76.333	-14.293	1007.8	-2.8
225	13	77.197	-9.732	1013.5	-0.2	256	13	76.227	-14.671	1012.0	-3.1
226	14	77.313	-9.885	1011.1	-0.4	257	14	76.199	-14.742	1014.9	-3.7
227	15	77.357	-10.386	1006.5	-0.4	258	15	76.126	-14.807	1016.4	-3.8
228	16	77.404	-10.986	997.5	-0.4	259	16	76.040	-14.736	1009.7	-4.7
229	17	77.516	-11.460	999.6	-0.6	260	17	75.907	-14.446	997.1	-3.6
230	18	77.632	-11.468	1007.1	-0.5	261	18	75.824	-14.479	993.4	-2.5
231	19	77.811	-11.304	1014.8	-0.7	262	19	75.680	-14.818	994.5	-2.5
232	20	77.992	-11.083	1015.8	-1.0	263	20	75.382	-15.126	1002.4	-2.4
233	21	78.062	-10.954	1018.4	-1.3	264	21	75.148	-14.918	1009.8	-2.2
234	22	78.111	-10.635	1017.2	-0.6	265	22	75.200	-14.802	1004.0	-2.7
235	23	78.076	-10.455	1015.5	-0.8	266	23	75.193	-14.702	1003.1	-2.3
236	24	78.059	-10.006	1009.2	-0.8	267	24	75.173	-14.999	1000.4	-1.8
237	25	77.923	-9.913	1014.6	-1.4	268	25	75.032	-15.759	994.0	-1.8
238	26	77.811	-9.889	1017.7	-1.7	269	26	74.344	-16.754	996.9	-2.6
239	27	77.812	-9.743	1018.0	-2.2	270	27	73.918	-17.689	1001.7	-3.1
240	28	77.814	-9.323	1021.6	-2.0	271	28	73.634	-17.779	1014.1	-2.7
241	29	77.745	-9.609	1022.5	-1.9	272	29	73.451	-17.983	1023.8	-3.2
242	30	77.671	-10.282	1018.7	-1.9	273	30	73.501	-18.774	1023.9	-3.7
243	31	77.647	-11.407	1025.8	-1.8						

Buoy 5

BOUY(5)	LAT	LON	P	T	
OCT. 79	(N)	(+E,-W)	(MB)	(C)	
274	1	73.599	-19.139	1014.2	-2.9
275	2	73.427	-19.456	1018.2	-4.0
276	3	73.024	-19.826	1023.3	-3.4
277	4	73.184	-19.827	1015.2	-3.1
278	5	72.844	-19.180	1019.6	-2.8
279	6	72.651	-18.725	1020.2	-2.7
280	7	72.476	-19.211	1025.4	-3.1
281	8	72.667	-19.741	1022.5	-3.9
282	9	72.527	-20.703	1035.6	-4.3
283	10	72.475	-21.393	1024.3	-4.7
284	11	72.197	-21.780	1021.8	-4.4
285	12	71.712	-21.656	1023.5	-3.4
286	13	71.342	-20.421	1012.9	-4.6
287	14	71.027	-21.061	1016.4	-5.2
288	15	70.347	-21.618	1023.6	-6.4
289	16	70.226	-22.470	1016.7	-8.1
290	17	70.268	-22.561	1005.1	-9.9
291	18	70.264	-22.426	1001.0	-8.6
292	19	70.222	-22.497	1005.1	-9.6
293	20	70.227	-22.503	1007.8	-12.9
294	21	70.228	-22.475	1021.2	-12.0
295	22	70.237	-22.365	1009.2	-8.4

Buoy 6

BUOY(6)		LAT	LONG	P	T
FEB. 79		(N)	(+E,-W)	(MB)	(C)
49	18	77.984	-141.830	1002.9	-31.6
50	19	77.987	-141.781	1019.3	-37.9
51	20	77.994	-141.763	1028.5	-38.3
52	21	78.026	-141.819	1023.9	-30.9
53	22	78.041	-141.800	1026.9	-29.4
54	23	78.045	-141.778	1016.9	-27.8
55	24	78.038	-141.893	1033.4	-28.8
56	25	78.043	-141.722	1020.5	-25.9
57	26	78.019	-141.705	1027.8	-30.2
58	27			1024.9	-31.0
59	28			1012.5	-25.6

BUOY(6)		LAT	LONG	P	T
MAR. 79		(N)	(+E,-W)	(MB)	(C)
60	1	77.950	-141.483	1020.1	-31.9
61	2	77.902	-141.547	1024.7	-36.8
62	3	77.847	-141.476	1018.8	-38.1
63	4	77.859	-141.480	1032.8	-38.1
64	5	77.855	-141.468	1032.2	-35.7
65	6	77.867	-141.442	1028.1	-34.3
66	7	77.868	-141.427	1026.1	-34.5
67	8	77.868	-141.441	1033.4	-36.9
68	9	77.839	-141.456	1039.2	-38.0
69	10	77.777	-141.672	1039.1	-34.9
70	11	77.635	-141.985	1030.0	-28.6
71	12	77.570	-142.241	1032.3	-29.8
72	13	77.538	-142.610	1038.9	-30.4
73	14	77.448	-143.037	1031.4	-29.9
74	15	77.310	-143.232	1021.5	-26.0
75	16	77.267	-143.295	1016.5	-28.2
76	17	77.217	-143.324	998.0	-22.7
77	18	77.211	-143.469	1011.2	-27.6
78	19	77.162	-143.544	1023.3	-32.6
79	20	77.152	-143.519	1024.9	-33.2
80	21	77.174	-143.453	1034.9	-34.9
81	22	77.147	-143.421	1040.0	-34.0
82	23	77.168	-143.433	1037.4	-31.7
83	24	77.167	-143.438	1030.8	-30.9
84	25	77.118	-143.304	1030.4	-30.0
85	26	77.055	-143.270	1028.5	-25.2
86	27	77.032	-143.285	1022.1	-21.2
87	28	77.022	-143.295	1024.6	-24.6
88	29	77.042	-143.353	1033.7	-30.6
89	30	77.008	-143.301	1029.8	-29.9
90	31	77.013	-143.257	1023.6	-28.5

BUOY(6)		LAT	LONG	P	T
APR. 79		(N)	(+E,-W)	(MB)	(C)
91	1	77.006	-143.276	1030.9	-29.7
92	2	77.023	-143.244	1032.4	-31.5
93	3	77.008	-143.248	1033.7	-31.1
94	4	77.010	-143.282	1030.8	-30.3
95	5	77.024	-143.286	1025.2	-29.6
96	6	77.039	-143.347	1021.6	-29.3
97	7	77.038	-143.355	1018.6	-28.5
98	8	77.040	-143.370	1016.6	-26.9
99	9	77.031	-143.416	1017.5	-26.6
100	10	77.022	-143.337	1022.4	-28.6
101	11	77.017	-143.291	1034.1	-30.3
102	12	77.013	-143.273	1044.0	-30.1
103	13	77.015	-143.290	1043.4	-28.5
104	14	76.998	-143.333	1042.8	-27.6
105	15	76.994	-143.352	1037.1	-25.9
106	16	76.995	-143.374	1028.3	-25.2
107	17	76.995	-143.363	1022.7	-25.2
108	18	76.977	-143.398	1019.6	-26.5
109	19	76.951	-143.474	1025.4	-24.9
110	20	76.938	-143.502	1033.1	-22.9
111	21	76.938	-143.564	1034.1	-22.2
112	22	76.974	-143.659	1021.5	-20.6
113	23	77.031	-143.869	1002.5	-16.0
114	24	77.016	-143.739	1008.8	-15.2
115	25	77.044	-143.795	1006.4	-15.1
116	26	77.071	-143.958	999.7	-10.5
117	27	77.035	-143.921	1007.2	-8.1
118	28	77.033	-143.898	1018.9	-10.6
119	29	77.079	-143.964	1028.4	-10.9
120	30	77.179	-144.160	1028.3	-7.6

BUOY(6)		LAT	LONG	P	T
MAY 79		(N)	(+E,-W)	(MB)	(C)
121	1	77.228	-143.956	1029.4	-5.9
122	2	77.210	-143.973	1032.4	-6.7
123	3	77.326	-144.382	1022.6	-6.7
124	4	77.439	-144.374	1018.5	-5.4
125	5	77.495	-144.631	1019.7	-4.3
126	6	77.573	-144.831	1020.1	-4.1
127	7	77.633	-144.891	1031.4	-5.4
128	8	77.631	-144.991	1035.3	-6.8
129	9	77.606	-145.130	1030.4	-6.8
130	10	77.563	-145.287	1022.9	-7.3
131	11	77.546	-145.496	1024.7	-7.8
132	12	77.489	-145.600	1017.7	-7.0
133	13	77.456	-145.587	1015.1	-4.5
134	14	77.413	-145.457	1011.0	-4.2
135	15	77.385	-145.451	1018.8	-5.9
136	16	77.355	-145.456	1016.7	-7.5
137	17	77.325	-145.485	1016.4	-8.1
138	18	77.267	-145.290	1015.0	-7.8
139	19	77.188	-145.049	1018.9	-7.3
140	20	77.147	-144.909	1021.5	-7.0
141	21	77.146	-144.946	1024.3	-6.4
142	22	77.128	-145.078	1026.7	-7.0
143	23	77.122	-145.236	1025.2	-6.5
144	24	77.135	-145.390	1021.6	-6.7
145	25	77.177	-145.575	1021.2	-7.9
146	26	77.277	-145.735	1018.8	-7.9
147	27	77.402	-145.951	1014.8	-5.9
148	28	77.449	-145.921	1013.6	-8.8
149	29	77.423	-145.945	1013.7	1.2
150	30	77.382	-146.193	1017.1	-1.4
151	31	77.353	-146.265	1020.4	-2.2

Buoy 6

BUOY(6)	LAT	LON	P	T	BUOY(6)	LAT	LON	P	T		
JUNE 79	(N)	(+E,-W)	(MB)	(C)	JULY 79	(N)	(+E,-W)	(MB)	(C)		
152	1	77.432	-146.256	1006.7	-1.3	182	1	76.823	-143.730	1000.6	2.8
153	2	77.440	-145.927	1007.8	.5	183	2	76.834	-143.505	1011.0	2.9
154	3	77.385	-145.566	1010.3	-.8	184	3	76.856	-143.499	1011.5	3.4
155	4	77.305	-145.201	1015.4	-3.4	185	4	76.810	-143.536	1016.7	3.6
156	5	77.263	-145.120	1018.5	-3.1	186	5	76.843	-143.734	1010.0	3.2
157	6	77.268	-145.127	1020.4	-.1	187	6	76.900	-144.159	996.1	1.8
158	7	77.294	-144.905	1017.1	.2	188	7	76.848	-144.167	996.6	2.4
159	8	77.310	-144.754	1016.0	.1	189	8	76.792	-143.785	996.2	2.8
160	9	77.265	-144.597	1021.7	.2	190	9	76.746	-143.664	1002.9	3.1
161	10	77.276	-144.550	1015.1	1.4	191	10	76.708	-143.474	1008.7	2.6
162	11	77.308	-145.002	998.9	2.2	192	11	76.730	-143.453	1007.2	3.1
163	12	77.301	-145.697	1003.5	.2	193	12	76.716	-143.425	1007.4	2.8
164	13	77.250	-146.115	1015.2	-1.7	194	13	76.635	-143.253	1017.0	2.3
165	14	77.168	-145.911	1012.5	-1.7	195	14	76.664	-142.965	1010.7	2.7
166	15	77.057	-145.301	1004.3	.1	196	15	76.673	-142.795	1008.6	2.5
167	16	76.971	-145.114	1010.6	2.2	197	16	76.611	-142.503	1019.0	2.7
168	17	76.966	-145.167	1015.0	3.4	198	17	76.630	-142.451	1013.4	2.4
169	18	76.982	-145.227	1021.3	5.0	199	18	76.621	-142.366	1015.3	2.7
170	19	77.004	-145.253	1024.2	5.8	200	19	76.615	-142.391	1019.9	3.7
171	20	77.021	-145.130	1022.1	3.5	201	20	76.615	-142.374	1019.1	3.4
172	21	77.015	-144.852	1019.5	2.6	202	21	76.625	-142.240	1015.1	2.9
173	22	76.995	-144.856	1020.6	2.9	203	22	76.634	-142.103	1011.7	3.2
174	23	76.964	-144.823	1018.4	2.3	204	23	76.635	-142.100	1009.9	5.2
175	24	76.961	-145.008	1017.0	1.8	205	24	76.627	-142.122	1013.4	4.9
176	25	76.930	-145.314	1011.8	.8	206	25	76.613	-142.224	1016.1	4.8
177	26	76.869	-145.495	1012.8	2.4	207	26	76.617	-142.332	1021.2	4.7
178	27	76.847	-145.464	1012.0	3.5	208	27	76.627	-142.381	1025.8	3.6
179	28	76.802	-145.251	1008.3	3.3	209	28	76.650	-142.429	1023.8	3.2
180	29	76.793	-144.663	1003.6	3.1	210	29	76.688	-142.596	1018.6	3.4
181	30	76.821	-144.092	1000.0	2.3	211	30	76.678	-142.602	1019.4	4.8
						212	31	76.673	-142.628	1018.4	4.5

BUOY(6)		LAT	LON	P	T	BUOY(6)		LAT	LON	P	T
AUG. 79		(N)	(+E,-W)	(MB)	(C)	SEPT 79		(N)	(+E,-W)	(MB)	(C)
213	1	76.704	-142.680	1020.7	3.4	244	1	77.052	-148.024	1018.0	-0.9
214	2	76.729	-142.646	1019.1	3.1	245	2	77.107	-148.214	1018.9	-1.3
215	3	76.743	-142.646	1009.4	2.8	246	3	77.134	-148.344	1019.4	-1.7
216	4	76.690	-142.478	1007.9	1.9	247	4	77.127	-148.553	1022.1	-3.8
217	5	76.597	-142.679	1016.8	1.5	248	5	77.081	-148.940	1023.6	-2.4
218	6	76.554	-142.902	1021.7	1.7	249	6	76.983	-148.870	1027.1	-3.4
219	7	76.567	-143.120	1024.4	2.3	250	7	77.060	-148.736	1014.4	-2.9
220	8	76.562	-143.087	1019.5	3.4	251	8	77.062	-148.522	1016.7	-1.0
221	9	76.568	-143.119	1017.4	1.9	252	9	77.029	-148.143	1013.1	-1.9
222	10	76.562	-143.199	1017.4	2.1	253	10	76.956	-147.742	1019.4	-3.6
223	11	76.517	-143.059	1018.0	1.0	254	11	76.904	-147.681	1024.4	-5.5
224	12	76.506	-143.213	1018.9	.6	255	12	76.876	-147.805	1029.5	-6.7
225	13	76.523	-143.426	1018.1	.4	256	13	76.835	-147.954	1034.5	-7.8
226	14	76.558	-143.660	1017.5	.7	257	14	76.800	-147.758	1024.8	-8.7
227	15	76.600	-143.885	1012.8	1.5	258	15	76.815	-147.625	1021.0	-8.8
228	16	76.679	-144.318	1011.2	-0.1	259	16	76.831	-147.601	1017.6	-7.1
229	17	76.753	-144.831	1017.4	-1.3	260	17	76.841	-147.871	1011.2	-7.5
230	18	76.773	-145.136	1018.7	-2.8	261	18	76.794	-148.003	1008.4	-9.7
231	19	76.751	-145.088	1019.2	.5	262	19	76.814	-147.771	1010.8	-8.1
232	20	76.750	-145.145	1019.9	1.4	263	20	76.915	-147.891	1017.5	-8.6
233	21	76.832	-145.332	1013.0	1.0	264	21	77.000	-148.377	1012.9	-7.7
234	22	76.864	-145.488	1009.1	.9	265	22	77.113	-148.650	1013.9	-6.5
235	23	76.841	-145.538	1013.5	1.2	266	23	77.210	-148.958	1012.8	-6.2
236	24	76.777	-145.545	1020.7	1.0	267	24	77.313	-149.418	1009.6	-5.2
237	25	76.754	-145.638	1019.7	-0.1	268	25	77.359	-149.603	1007.5	-3.0
238	26	76.859	-145.928	1009.9	-1.1	269	26	77.332	-149.540	1015.0	-4.3
239	27	76.959	-146.484	1011.3	-2.3	270	27	77.386	-149.956	1019.0	-6.6
240	28	76.991	-147.033	1013.3	-3.8	271	28	77.440	-150.383	1020.8	-10.0
241	29	76.982	-147.348	1013.7	-5.0	272	29	77.450	-150.648	1025.6	-10.6
242	30	76.976	-147.540	1013.2	-3.0	273	30	77.455	-150.903	1028.0	-7.5
243	31	77.009	-147.921	1014.0	-1.6						

Buoy 6

BUOY(6)		LAT	LOX	P	T	BUOY(6)		LAT	LOX	P	T
OCT. 79		(N)	(+E,-W)	(MB)	(C)	NOV. 79		(N)	(+E,-W)	(MB)	(C)
274	1	77.468	-151.176	1026.1	-7.2	305	1	77.069	-157.145	1015.1	-19.3
275	2	77.470	-151.473	1028.7	-10.4	306	2	77.095	-157.644	1014.2	-19.0
276	3	77.464	-151.761	1029.7	-11.7	307	3	77.091	-158.213	1009.2	-19.4
277	4	77.475	-152.224	1028.8	-11.6	308	4	77.112	-158.684	1006.3	-18.5
278	5	77.466	-152.575	1024.9	-13.5	309	5	77.111	-158.672	1022.0	-16.7
279	6	77.448	-153.011	1019.1	-12.0	310	6	77.095	-158.632	1031.5	-20.3
280	7	77.447	-153.507	1019.5	-11.1	311	7	77.141	-159.176	1017.8	-20.1
281	8	77.441	-153.601	1021.9	-12.7	312	8	77.224	-159.998	1027.0	-19.0
282	9	77.413	-153.974	1016.3	-15.4	313	9	77.277	-160.737	1022.0	-19.9
283	10	77.427	-154.256	1013.8	-17.0	314	10	77.333	-161.527	1022.3	-20.6
284	11	77.417	-154.724	1006.3	-14.2	315	11	77.377	-162.202	1019.9	-24.4
285	12	77.333	-154.748	1019.5	-13.3	316	12	77.394	-162.645	1018.0	-27.8
286	13	77.286	-154.911	1026.5	-16.2	317	13	77.409	-162.690	1015.3	-29.4
287	14	77.213	-155.239	1023.0	-13.6	318	14	77.435	-162.647	1009.2	-29.1
288	15	77.093	-155.511	1022.1	-13.7	319	15	77.444	-162.575	1000.2	-27.5
289	16	76.979	-155.677	1024.7	-12.1	320	16	77.479	-162.644	997.0	-25.8
290	17	76.951	-155.702	1023.2	-12.6	321	17	77.483	-162.758	997.6	-28.4
291	18	76.982	-155.767	1025.6	-11.5	322	18	77.483	-162.935	1006.7	-29.4
292	19	77.028	-155.966	1021.4	-11.9	323	19	77.447	-163.081	1008.3	-29.9
293	20	77.089	-156.430	1019.1	-11.9	324	20	77.307	-163.129	996.5	-27.2
294	21	77.106	-156.773	1022.3	-12.6	325	21	77.189	-162.969	998.2	-25.1
295	22	77.106	-156.964	1026.0	-14.5	326	22	77.145	-162.711	1007.8	-26.0
296	23	77.091	-157.047	1024.2	-15.6	327	23	77.115	-162.514	1014.6	-27.8
297	24	77.066	-157.166	1026.1	-12.5	328	24	77.132	-162.462	1013.3	-29.0
298	25	77.042	-157.235	1021.9	-12.2	329	25	77.298	-163.124	985.5	-26.4
299	26	77.007	-157.282	1019.4	-13.6	330	26	77.418	-163.408	996.7	-21.9
300	27	76.969	-157.239	1021.0	-15.0	331	27	77.500	-163.431	1007.9	-21.0
301	28	76.973	-156.919	1018.4	-13.7	332	28	77.576	-163.267	1013.3	-23.6
302	29	76.983	-156.629	1018.2	-14.1	333	29	77.622	-163.083	1017.7	-26.2
303	30	77.034	-156.411	1017.3	-13.0	334	30	77.626	-163.087	1014.1	-29.5
304	31	77.062	-156.603	1017.1	-12.8						

BUOY(6) DEC. 79	LAT (N)	LOX (+E,-W)	P (MB)	T (C)	
335	1	77.627	-163.168	1013.5	-31.2
336	2	77.668	-163.385	1013.1	-30.2
337	3	77.756	-163.763	1004.8	-30.4
338	4	77.877	-164.321	991.0	-27.8
339	5	77.961	-164.816	998.7	-26.2
340	6	77.982	-165.037	1003.4	-28.9
341	7	77.976	-165.039	1012.3	-33.0
342	8	77.958	-165.080	1016.1	-34.8
343	9				
344	10				
345	11				
346	12	77.949	-164.816	1017.3	
347	13	77.976	-164.340	1008.8	-24.4
348	14	77.962	-164.344	1014.9	-26.4
349	15	77.960	-164.409	1018.1	-27.7
350	16	77.943	-164.192	1025.2	-26.8
351	17	77.935	-164.157	1011.9	-26.3
352	18	77.888	-164.395	1008.4	-29.4
353	19	77.841	-164.472	1007.3	-27.7
354	20	77.825	-164.523	1011.4	-31.5
355	21	77.823	-164.460	1013.7	-33.2
356	22	77.825	-164.351	1016.0	-31.5
357	23	77.830	-164.218	1019.6	-31.6
358	24			1016.8	-30.4
359	25				
360	26				
361	27				
362	28				
363	29				
364	30				
365	31	77.583	-163.900	1039.6	-29.2

Buoy 7

BUOY(7)	LAT	LOX	P	T	BUOY(7)	LAT	LOX	P	T		
MAY 79	(N)	(+E,-W)	(MB)	(C)	JUNE 79	(N)	(+E,-W)	(MB)	(C)		
121	1	85.613	-88.751	1030.7	-15.4	152	1	85.434	-89.466	1016.2	-4.9
122	2	85.629	-87.891	1024.2	-11.9	153	2	85.447	-89.819	1015.2	-5.5
123	3	85.613	-87.770	1041.5	-14.1	154	3	85.509	-89.534	1008.5	-6.2
124	4	85.653	-87.216	1027.9	-13.9	155	4	85.556	-89.514	1012.4	-5.1
125	5	85.655	-86.995	1030.7	-11.0	156	5	85.548	-90.023	1013.6	-4.7
126	6	85.661	-86.808	1027.2	-10.7	157	6	85.531	-90.640	1015.9	-4.7
127	7	85.667	-86.460	1030.3	-9.1	158	7	85.515	-91.022	1018.9	-3.2
128	8	85.658	-86.493	1034.8	-8.7	159	8	85.483	-91.433	1016.5	-4.0
129	9	85.654	-86.522	1030.7	-8.8	160	9	85.454	-91.638	1014.6	-4.1
130	10	85.654	-86.532	1032.0	-7.9	161	10	85.440	-91.692	1010.1	-3.0
131	11	85.655	-86.539	1030.7	-7.0	162	11	85.407	-91.479	1012.0	-3.1
132	12	85.654	-86.524	1027.7	-8.3	163	12	85.366	-92.221	1007.4	-3.3
133	13	85.655	-86.555	1023.3	-10.0	164	13	85.313	-91.907	998.3	-2.0
134	14	85.651	-86.856	1018.4	-11.0	165	14	85.325	-91.509	990.5	.3
135	15	85.646	-87.177	1024.0	-10.4	166	15	85.346	-91.704	991.1	-.2
136	16	85.634	-87.546	1023.1	-9.9	167	16	85.347	-92.497	1001.9	-.7
137	17	85.626	-87.742	1020.7	-7.3	168	17	85.319	-93.119	1012.1	-1.1
138	18	85.625	-88.153	1010.3	-5.6	169	18	85.272	-93.244	1015.8	-.7
139	19	85.615	-88.747	1010.4	-5.9	170	19	85.255	-93.033	1017.0	.6
140	20	85.594	-89.401	1014.2	-7.1	171	20	85.259	-92.965	1019.3	1.9
141	21	85.566	-90.239	1018.9	-7.9	172	21	85.256	-92.496	1020.0	1.2
142	22	85.528	-90.216	1022.2	-7.5	173	22	85.257	-92.420	1021.0	1.0
143	23	85.510	-90.014	1019.5	-7.3	174	23	85.257	-92.968	1023.5	-.5
144	24	85.497	-89.835	1017.8	-6.9	175	24	85.218	-93.506	1016.0	.8
145	25	85.494	-89.733	1012.3	-8.1	176	25	85.167	-94.301	1005.7	1.3
146	26	85.496	-89.721	1022.6	-9.2	177	26	85.127	-94.842	1005.7	2.0
147	27	85.499	-89.578	1026.8	-9.2	178	27	85.101	-94.680	1002.7	2.7
148	28	85.500	-89.530	1022.1	-8.5	179	28	85.111	-94.032	1001.0	1.6
149	29	85.489	-89.610	1016.0	-7.2	180	29	85.188	-93.324	1001.2	1.1
150	30	85.485	-89.696	1015.6	-4.5	181	30	85.355	-93.461	999.7	1.1
151	31	85.455	-89.938	1018.1	-4.3						

BUOY(7)	LAT	LOX	P	T	BUOY(7)	LAT	LOX	P	T		
JULY 79	(N)	(+E,-W)	(MB)	(C)	AUG. 79	(N)	(+E,-W)	(MB)	(C)		
182	1	85.464	-93.475	998.5	1.4	213	1	85.494	-88.212	1018.7	3.3
183	2	85.479	-93.545	1003.0	2.1	214	2	85.501	-88.067	1014.5	2.1
184	3	85.493	-93.115	1004.6	3.0	215	3	85.505	-87.934	1006.5	1.7
185	4	85.506	-92.706	1005.4	3.1	216	4	85.494	-87.742	1004.7	1.4
186	5	85.486	-93.352	1008.8	2.2	217	5	85.485	-87.792	1007.2	.8
187	6	85.431	-93.446	1009.0	1.7	218	6	85.454	-87.936	1008.8	.8
188	7	85.399	-93.637	1002.5	2.0	219	7	85.451	-87.899	1006.6	1.5
189	8	85.385	-93.654	1001.9	3.1	220	8	85.444	-88.069	1008.2	.6
190	9	85.405	-93.643	1004.5	2.5	221	9	85.453	-87.679	1009.3	-.0
191	10	85.426	-93.635	1008.8	2.9	222	10	85.491	-87.383	1002.9	.4
192	11	85.431	-93.809	1006.3	3.9	223	11	85.551	-86.362	1005.7	-.1
193	12	85.411	-93.524	1009.7	3.4	224	12	85.545	-87.027	1005.4	-1.5
194	13	85.395	-93.734	1004.9	3.1	225	13	85.528	-86.668	1003.5	-1.7
195	14	85.376	-93.606	1008.5	2.2	226	14	85.555	-86.451	1012.9	-3.4
196	15	85.391	-93.233	1015.0	3.8	227	15	85.535	-86.924	1011.7	-2.2
197	16	85.401	-93.332	1007.2	4.5	228	16	85.525	-87.432	1014.7	-1.3
198	17	85.395	-93.508	1005.2	3.2	229	17	85.496	-87.803	1005.8	-.4
199	18	85.368	-93.379	1001.9	1.9	230	18	85.496	-88.380	1009.8	.9
200	19	85.355	-92.817	1009.2	1.6	231	19	85.475	-89.128	1012.2	1.0
201	20	85.357	-92.416	1016.1	2.0	232	20	85.422	-90.015	1009.1	.6
202	21	85.394	-92.024	1010.0	1.5	233	21	85.406	-90.164	1005.9	-.6
203	22	85.449	-91.519	999.8	1.4	234	22	85.411	-90.443	1010.0	-2.2
204	23	85.491	-90.536	1003.9	1.3	235	23	85.399	-91.004	1004.6	-2.5
205	24	85.525	-89.293	1005.3	1.4	236	24	85.388	-91.729	1009.2	-3.3
206	25	85.537	-88.702	1009.0	1.8	237	25	85.374	-92.138	1014.5	-4.8
207	26	85.539	-88.509	1009.4	1.9	238	26	85.373	-92.523	1016.9	-5.6
208	27	85.522	-88.076	1007.3	1.4	239	27	85.344	-92.912	1017.8	-4.4
209	28	85.514	-88.073	1015.5	2.2	240	28	85.356	-93.790	1019.8	-2.6
210	29	85.500	-88.236	1019.0	3.3	241	29	85.378	-94.509	1018.7	-3.5
211	30	85.495	-88.289	1022.2	1.8	242	30	85.389	-95.445	1018.9	-2.1
212	31	85.498	-88.245	1019.0	4.1	243	31	85.425	-96.422	1022.2	-3.5

Buoy 7

BUOY(7)						BUOY(7)					
SEPT 79		LAT	LON	P	T	OCT. 79		LAT	LON	P	T
		(N)	(+E,-W)	(MB)	(C)			(N)	(+E,-W)	(MB)	(C)
244	1	85.441	-96.608	1026.2	-4.2	274	1	84.749	-101.642	1019.7	-11.6
245	2	85.427	-96.574	1029.1	-4.3	275	2	84.645	-101.848	1022.4	-10.5
246	3	85.416	-96.454	1027.9	-7.0	276	3	84.639	-102.408	1022.0	-10.7
247	4	85.417	-97.501	1026.0	-7.4	277	4	84.552	-103.088	1019.9	-12.3
248	5	85.390	-96.142	1026.9	-8.3	278	5	84.492	-103.665	1023.5	-13.9
249	6	85.374	-98.534	1026.4	-8.5	279	6	84.438	-104.532	1023.2	-12.2
250	7	85.352	-98.964	1024.1	-8.2	280	7	84.387	-105.271	1019.7	-14.6
251	8	85.356	-99.281	1004.7	-6.5	281	8	84.329	-106.258	1013.0	-14.6
252	9	85.347	-99.361	999.0	-7.9	282	9	84.347	-106.709	1011.9	-13.0
253	10	85.350	-99.365	1004.4	-8.2	283	10	84.381	-106.389	1017.6	-13.3
254	11	85.344	-99.671	1013.8	-10.6	284	11	84.367	-106.070	1026.3	-13.5
255	12	85.311	-100.168	1020.6	-9.5	285	12	84.370	-106.173	1014.9	-12.2
256	13	85.241	-100.404	1018.4	-8.1	286	13	84.350	-106.596	1021.8	-12.8
257	14	85.190	-100.169	1017.1	-11.1	287	14	84.313	-107.044	1028.5	-12.2
258	15	85.191	-99.830	1020.3	-12.0	288	15	84.291	-107.482	1020.9	-11.7
259	16	85.182	-99.740	1017.5	-8.9	289	16	84.249	-107.985	1016.6	-11.8
260	17	85.157	-99.676	1015.0	-7.2	290	17	84.195	-108.432	1014.0	-14.1
261	18	85.141	-99.975	1012.7	-3.0	291	18	84.128	-108.569	1016.7	-16.7
262	19	85.127	-100.128	1016.5	-2.3	292	19	84.066	-108.653	1018.0	-15.6
263	20	85.066	-100.452	1019.8	-7.3	293	20	84.020	-108.622	1018.4	-18.1
264	21	85.050	-100.586	1015.3	-9.2	294	21	83.981	-108.207	1007.9	-17.6
265	22	85.005	-100.516	1011.3	-8.5	295	22	83.950	-107.780	1005.6	-19.8
266	23	84.967	-100.064	1013.7	-8.1	296	23	83.932	-108.053	1013.3	-24.0
267	24	84.963	-99.822	1010.7	-8.2	297	24	83.934	-108.018	1019.0	-25.0
268	25	84.964	-99.827	1011.3	-9.3	298	25	83.932	-107.997	1017.6	-25.9
269	26	84.963	-99.846	1012.9	-10.2	299	26	83.934	-107.952	1010.5	-24.3
270	27	84.951	-99.898	1018.1	-10.2	300	27	83.978	-107.502	1003.9	-23.1
271	28	84.895	-100.316	1016.7	-7.5	301	28	84.042	-106.891	1007.6	-22.8
272	29	84.855	-100.792	1020.9	-6.5	302	29	84.078	-106.364	1016.0	-20.1
273	30	84.807	-101.194	1019.9	-11.1	303	30	84.106	-105.932	1025.1	-21.1
						304	31	84.105	-105.902	1033.1	-24.8

BUOY(7)		LAT	LON	P	T	BUOY(7)		LAT	LON	P	T
NOV. 79		(N)	(+E,-W)	(MB)	(C)	DEC. 79		(N)	(+E,-W)	(MB)	(C)
305	1	84.085	-106.048	1035.3	-25.2	335	1	83.688	-108.416	1010.8	-30.6
306	2	84.068	-106.232	1025.7	-24.4	336	2			1015.1	-31.7
307	3	84.056	-106.185	1018.5	-24.9	337	3	83.620	-108.397	1015.0	-30.5
308	4	84.036	-106.131	1016.9	-23.1	338	4	83.544	-108.567	1005.0	-27.5
309	5	84.028	-106.171	1022.4	-21.9	339	5	83.501	-108.935	1003.7	-26.0
310	6	83.968	-106.432	1028.6	-20.2	340	6	83.473	-109.175	1003.8	-26.0
311	7	83.874	-106.722	1024.2	-19.8	341	7	83.456	-109.231	1006.1	-26.7
312	8	83.786	-107.211	1027.0	-18.9	342	8	83.409	-109.461	1002.4	-26.5
313	9	83.718	-107.840	1028.1	-18.2	343	9	83.378	-109.535	1001.5	-24.9
314	10	83.664	-108.149	1028.9	-22.2	344	10	83.377	-109.495	1003.5	-26.6
315	11	83.630	-108.178	1023.6	-26.9	345	11	83.376	-109.477	1006.2	-28.2
316	12	83.608	-107.965	1017.0	-27.2	346	12	83.353	-109.361	1012.4	-25.2
317	13	83.609	-107.769	1010.4	-26.2	347	13	83.366	-109.214	1007.1	-28.6
318	14	83.623	-107.628	1008.1	-22.6	348	14			1006.7	-30.7
319	15	83.655	-107.393	1007.8	-23.5	349	15				
320	16	83.676	-107.258	1010.9	-24.5	350	16				
321	17	83.681	-107.344	1010.1	-27.8	351	17	83.342	-109.279	1010.6	-27.7
322	18	83.682	-107.565	1015.8	-29.3	352	18				
323	19	83.668	-107.929	1014.6	-29.2	353	19				
324	20	83.695	-108.708	1004.8	-26.2	354	20				
325	21	83.730	-109.427	992.6	-20.7	355	21	83.309	-108.479	1002.0	-25.8
326	22	83.741	-109.641	998.7	-19.8	356	22	83.270	-106.878	1003.2	-24.2
327	23	83.749	-109.410	1001.5	-23.0	357	23	83.219	-105.533	1019.6	-25.1
328	24	83.723	-109.311	1007.4	-24.9	358	24			1016.0	-28.1
329	25	83.679	-109.132	1019.7	-27.1	359	25	83.205	-105.406	1006.1	-25.7
330	26	83.664	-109.068	1025.4	-29.4	360	26	83.206	-105.423	1002.4	-25.6
331	27	83.711	-108.893	1027.9	-25.9	361	27			1007.5	-27.2
332	28	83.733	-108.759	1017.5	-24.7	362	28			1019.1	-29.9
333	29	83.698	-108.543	1013.6	-23.6	363	29			1030.5	-32.9
334	30	83.689	-108.414	1010.2	-28.1	364	30	83.207	-105.288	1035.6	-32.9
						365	31	83.204	-105.354	1034.4	-32.6

Buoy 8

BUOY(8) NOV. 79	LAT (N)	LDN (+E,-W)	P (MB)	T (C)	BUOY(8) DEC. 79	LAT (N)	LDN (+E,-W)	P (MB)	T (C)		
305	1	73.184	-142.934	1008.1	-9.8	335	1	73.192	-153.055	1005.2	-18.1
306	2	73.198	-143.108	1010.4	-11.9	336	2	73.212	-153.604	1003.7	-21.2
307	3	73.300	-143.338	1006.2	-11.1	337	3	73.322	-154.256	999.4	-20.2
308	4	73.332	-143.208	1013.0	-10.0	338	4	73.482	-154.800	984.7	-16.9
309	5	73.289	-143.022	1027.0	-11.1	339	5	73.578	-155.504	988.7	-17.5
310	6	73.253	-143.151	1028.2	-17.9	340	6	73.552	-155.585	1006.4	-21.1
311	7	73.415	-143.818	1009.2	-12.7	341	7	73.533	-155.536	1014.5	-26.6
312	8	73.523	-144.457	1020.0	-14.3	342	8	73.525	-155.621	1017.7	-30.0
313	9	73.623	-145.150	1014.8	-16.7	343	9	73.509	-155.696	1023.1	-31.0
314	10	73.700	-145.933	1014.9	-18.0	344	10	73.501	-155.755	1018.2	-27.5
315	11	73.808	-146.658	1012.1	-17.0	345	11	73.483	-155.798	1028.8	-29.2
316	12	73.901	-147.262	1009.4	-15.7	346	12	73.451	-155.684	1037.7	-30.2
317	13	73.883	-147.633	1012.8	-18.8	347	13	73.504	-155.317	1014.5	-23.4
318	14	73.863	-147.852	1006.7	-23.3	348	14	73.492	-155.308	1016.2	-20.6
319	15	73.829	-148.098	997.9	-18.8	349	15	73.493	-155.275	1010.6	-16.9
320	16	73.814	-148.585	988.7	-16.7	350	16	73.452	-155.299	1031.1	-23.2
321	17	73.750	-149.231	987.1	-19.6	351	17	73.441	-155.224	1015.2	-22.6
322	18	73.684	-149.704	995.5	-20.0	352	18	73.449	-155.208	994.8	-19.6
323	19	73.538	-150.141	989.9	-20.0	353	19	73.400	-155.587	1002.7	-25.6
324	20	73.356	-150.301	990.3	-21.3	354	20	73.374	-155.686	1008.0	-30.9
325	21	73.249	-150.329	1001.4	-23.5	355	21	73.368	-155.672	1014.9	-34.0
326	22	73.216	-150.376	1004.8	-28.0	356	22	73.368	-155.668	1020.2	-34.6
327	23	73.124	-150.701	1014.3	-25.8	357	23	73.371	-155.689	1022.7	-32.1
328	24	73.103	-151.013	1011.7	-22.4	358	24	73.373	-155.760	1015.2	-29.7
329	25	73.274	-151.430	988.9	-18.0	359	25	73.341	-156.081	1006.1	-28.5
330	26	73.342	-151.612	995.5	-14.5	360	26	73.271	-156.507	997.9	-29.1
331	27	73.368	-151.713	1009.6	-14.1	361	27	73.185	-156.991	1000.2	-28.1
332	28	73.377	-151.682	1024.7	-17.2	362	28	73.131	-157.427	1011.1	-26.8
333	29	73.316	-152.066	1012.1	-17.0	363	29	73.106	-157.671	1019.6	-23.5
334	30	73.211	-152.706	1004.2	-16.8	364	30	73.099	-157.805	1029.2	-21.3
						365	31	73.205	-157.998	1029.2	-22.3

Buoy 9

BOUY(9)	LAT	LON	P	T	BOUY(9)	LAT	LON	P	T		
MAR. 79	(N)	(+E,-W)	(MB)	(C)	APR. 79	(N)	(+E,-W)	(MB)	(C)		
60	1		1014.8	-40.3	91	1	83.991	-134.385	1033.0	-29.3	
61	2		1020.9	-40.9	92	2	83.991	-134.441	1029.3	-30.6	
62	3	83.013	-130.279	1027.6	-30.2	93	3	83.990	-134.421	1024.6	-30.9
63	4	83.011	-130.243	1033.4	-33.2	94	4	83.989	-134.446	1017.1	-26.3
64	5	83.021	-130.132	1024.3	-35.3	95	5	84.014	-134.353	1016.5	-26.2
65	6	83.024	-130.025	1014.1	-34.8	96	6	84.043	-134.290	1018.4	-32.0
66	7	83.024	-129.994	1014.7	-38.0	97	7	84.046	-134.295	1019.8	-33.0
67	8	83.027	-130.003	1028.0	-40.5	98	8	84.050	-134.361	1020.8	-31.6
68	9	83.010	-130.057	1040.3	-38.4	99	9	84.057	-134.436	1027.1	-29.4
69	10	84.965	-130.067	1044.7	-36.0	100	10	84.063	-134.885	1021.6	-27.7
70	11	84.852	-130.065	1040.2	-33.7	101	11	84.061	-134.805	1030.8	-28.5
71	12		1045.9	-28.1	102	12	84.060	-134.549	1035.7	-29.8	
72	13	84.096	-131.801	1048.9	-28.4	103	13	84.056	-134.397	1041.1	-30.1
73	14	84.076	-132.409	1038.0	-26.6	104	14	84.049	-134.386	1041.5	-28.6
74	15	84.438	-133.133	1025.2	-22.2	105	15	84.052	-134.390	1041.1	-27.0
75	16	84.336	-134.104	1018.9	-16.0	106	16	84.051	-134.380	1037.4	-25.4
76	17	84.251	-135.015	1011.8	-19.1	107	17	84.037	-134.764	1030.0	-25.1
77	18	84.204	-135.309	1019.0	-22.9	108	18	83.982	-135.476	1025.4	-22.9
78	19	84.164	-135.304	1025.6	-25.8	109	19	83.924	-135.677	1028.5	-23.8
79	20	84.156	-135.150	1029.2	-28.9	110	20	83.916	-135.315	1031.5	-22.7
80	21	84.149	-134.960	1030.6	-30.9	111	21	83.931	-135.043	1029.9	-22.2
81	22	84.153	-134.565	1025.7	-26.8	112	22	83.940	-134.922	1022.4	-21.2
82	23	84.156	-134.270	1023.6	-28.5	113	23	83.968	-134.923	1011.5	-20.8
83	24	84.156	-134.280	1020.1	-31.6	114	24	83.994	-135.027	1007.9	-17.8
84	25	84.084	-134.196	1013.7	-25.5	115	25	84.015	-135.100	1010.7	-16.3
85	26	84.032	-134.301	1022.0	-19.0	116	26	84.027	-135.133	1012.4	-16.0
86	27	84.021	-134.361	1024.8	-21.7	117	27	84.034	-135.237	1012.9	-14.9
87	28	84.019	-134.547	1032.6	-24.0	118	28	84.028	-135.212	1019.1	-15.3
88	29	84.001	-134.496	1029.0	-27.0	119	29	84.031	-135.677	1031.9	-17.1
89	30	83.989	-134.431	1017.8	-26.0	120	30	84.073	-135.008	1030.2	-16.1
90	31	83.993	-134.353	1023.9	-27.9						

BOUY(9)		LAT	LON	P	T	BOUY(9)		LAT	LON	P	T
MAY 79		(N)	(+E,-W)	(MB)	(C)	JUNE 79		(N)	(+E,-W)	(MB)	(C)
121	1	84.184	-134.606	1021.2	-10.3	152	1	83.999	-133.682	1016.2	-6.1
122	2	84.197	-133.852	1032.0	-11.1	153	2	84.045	-134.039	1005.9	-5.4
123	3	84.212	-133.886	1038.4	-12.3	154	3	84.113	-134.524	994.0	-1.1
124	4	84.338	-133.851	1019.5	-9.7	155	4	84.112	-135.647	1006.8	-7.3
125	5	84.336	-133.728	1031.1	-9.1	156	5	84.066	-135.481	1016.8	-1.6
126	6	84.374	-133.776	1021.1	-9.2	157	6	84.026	-135.613	1018.7	-2.0
127	7	84.402	-133.635	1026.6	-5.5	158	7	84.006	-135.682	1020.6	-1.4
128	8	84.390	-133.573	1038.1	-5.6	159	8	83.997	-135.751	1017.7	-3.1
129	9	84.376	-133.477	1033.6	-5.0	160	9	83.994	-136.107	1013.1	-3.1
130	10	84.370	-133.460	1032.0	-3.6	161	10	83.967	-136.167	1013.9	-2.7
131	11	84.365	-133.402	1029.9	-4.0	162	11	83.937	-136.198	1014.6	-2.8
132	12	84.365	-133.400	1026.1	-4.2	163	12	83.898	-136.255	1012.2	-2.7
133	13	84.358	-133.726	1018.9	-4.4	164	13	83.836	-135.687	1005.6	-2.1
134	14	84.348	-134.109	1017.0	-3.1	165	14	83.784	-135.113	992.6	-7.3
135	15	84.329	-134.288	1020.8	-5.7	166	15	83.724	-135.219	994.0	9.9
136	16	84.327	-134.437	1020.9	-8.0	167	16	83.674	-135.421	1005.6	1.3
137	17	84.313	-134.517	1017.7	-7.7	168	17	83.639	-135.535	1015.4	1.8
138	18	84.278	-134.836	1010.3	-6.3	169	18	83.621	-135.457	1020.0	1.1
139	19	84.210	-134.912	1011.0	-6.8	170	19	83.623	-135.214	1019.8	1.5
140	20	84.163	-134.781	1016.9	-7.4	171	20	83.652	-135.043	1016.2	5.5
141	21	84.096	-134.754	1021.9	-7.2	172	21	83.652	-135.156	1020.3	9.9
142	22	84.058	-134.510	1025.0	-6.7	173	22	83.639	-135.119	1020.7	3.4
143	23	84.030	-134.133	1021.9	-7.6	174	23	83.638	-135.107	1022.5	2.7
144	24	84.023	-133.798	1020.6	-6.8	175	24	83.613	-135.449	1022.0	9.9
145	25	84.027	-133.685	1019.2	-8.1	176	25	83.542	-135.731	1011.6	2.4
146	26	84.033	-133.618	1022.1	-9.1	177	26	83.483	-135.854	1010.1	2.5
147	27	84.066	-133.643	1025.1	-4.0	178	27	83.455	-135.725	1005.7	3.1
148	28	84.086	-133.754	1023.1	-8.4	179	28	83.467	-135.361	997.2	2.9
149	29	84.051	-134.033	1021.1	-8.1	180	29	83.554	-134.825	936.8	1.8
150	30	84.005	-134.195	1018.9	-5.8	181	30	83.566	-135.050	988.9	3.0
151	31	83.993	-134.167	1019.7	-5.4						

Buoy 9

BUOY(9)		LAT	LON	P	T	BUOY(9)		LAT	LON	P	T
JULY 79		(N)	(+E,-W)	(MB)	(C)	AUG. 79		(N)	(+E,-W)	(MB)	(C)
182	1	83.590	-134.517	990.9	3.0	213	1	83.755	-129.196	1021.5	4.5
183	2	83.614	-134.550	999.3	3.3	214	2	83.774	-129.107	1016.0	2.8
184	3	83.630	-134.183	1004.3	3.0	215	3	83.791	-129.026	1010.6	2.2
185	4	83.626	-134.115	1006.4	3.1	216	4	83.780	-129.055	1009.9	3.0
186	5	83.607	-134.040	1015.3	3.8	217	5	83.747	-129.125	1012.2	2.1
187	6	83.619	-134.051	1012.6	4.4	218	6	83.705	-129.263	1018.5	1.9
188	7	83.616	-134.390	1006.5	4.1	219	7	83.655	-128.954	1014.2	1.7
189	8	83.615	-134.547	1000.6	3.9	220	8	83.634	-128.910	1012.9	1.5
190	9	83.622	-134.721	1000.0	2.8	221	9	83.634	-128.894	1012.8	1.8
191	10	83.631	-134.749	1005.1	3.6	222	10	83.657	-128.674	1000.0	.9
192	11	83.616	-134.815	1007.4	4.1	223	11	83.670	-128.462	999.6	-6
193	12	83.599	-134.636	1008.3	3.6	224	12	83.655	-128.549	1009.8	-1.8
194	13	83.583	-134.684	1011.1	3.5	225	13	83.646	-128.450	1007.4	-1.0
195	14	83.546	-134.439	1008.6	2.3	226	14	83.626	-128.415	1009.3	.5
196	15	83.603	-134.178	1007.6	2.1	227	15	83.622	-128.447	1019.5	-2.7
197	16	83.590	-134.160	1005.0	2.3	228	16	83.586	-128.550	1015.7	-1.9
198	17	83.512	-133.672	1009.5	2.4	229	17	83.547	-128.606	1011.7	-.3
199	18	83.525	-133.633	1007.0	3.3	230	18	83.494	-128.890	1014.0	1.0
200	19	83.511	-133.207	1015.2	2.6	231	19	83.460	-129.143	1017.6	1.2
201	20	83.551	-132.812	1013.5	2.4	232	20	83.409	-129.369	1018.3	1.1
202	21	83.588	-132.572	1008.7	2.1	233	21	83.387	-129.351	1012.4	1.2
203	22	83.674	-131.823	995.6	1.6	234	22	83.373	-129.482	1012.5	-.2
204	23	83.727	-130.854	1002.3	1.5	235	23	83.320	-129.615	1009.2	-2.6
205	24	83.768	-130.189	1008.3	1.6	236	24	83.250	-129.742	1014.0	-3.4
206	25	83.770	-129.737	1014.3	2.5	237	25	83.211	-129.828	1016.8	-3.0
207	26	83.778	-129.555	1014.6	2.2	238	26	83.186	-130.006	1018.1	-2.0
208	27	83.760	-129.149	1016.8	2.3	239	27	83.164	-130.222	1017.7	-4.5
209	28	83.765	-129.145	1021.3	3.8	240	28	83.140	-130.762	1014.2	-2.1
210	29	83.751	-129.202	1022.3	3.2	241	29	83.159	-131.320	1018.9	-3.0
211	30	83.750	-129.236	1020.9	3.9	242	30	83.146	-131.757	1017.1	-4.0
212	31	83.753	-129.217	1020.3	5.7	243	31	83.157	-132.142	1020.3	-5.3

BUOY(9)		LAT	LONG	P	T	BUOY(9)		LAT	LONG	P	T
SEPT 79		(N)	(+E,-W)	(MB)	(C)	OCT. 79		(N)	(+E,-W)	(MB)	(C)
244	1	83.152	-132.102	1026.8	-5.5	274	1	82.592	-134.291	1025.7	-8.1
245	2	83.153	-132.175	1027.0	-6.5	275	2	82.551	-134.329	1027.7	-8.6
246	3	83.170	-132.788	1022.3	-3.5	276	3	82.485	-134.421	1029.7	-10.5
247	4	83.166	-133.482	1025.0	-3.5	277	4	82.411	-134.545	1027.7	-10.9
248	5	83.134	-133.882	1029.6	-5.2	278	5	82.343	-134.734	1026.9	-11.4
249	6	83.114	-134.068	1025.6	-6.7	279	6	82.276	-135.374	1024.7	-10.9
250	7	83.119	-134.374	1020.7	-7.2	280	7	82.231	-135.827	1023.6	-14.5
251	8	83.175	-134.510	1001.7	-5.4	281	8	82.159	-136.306	1018.2	-17.2
252	9	83.151	-134.010	997.1	-4.3	282	9	82.083	-136.466	1010.3	-16.1
253	10	83.107	-133.969	1005.9	-5.4	283	10	82.073	-136.153	1017.9	-13.9
254	11	83.051	-134.094	1017.1	-7.9	284	11	82.102	-136.100	1021.6	-13.5
255	12	83.001	-134.221	1026.0	-7.3	285	12	82.124	-136.433	1015.1	-13.6
256	13	82.943	-134.229	1025.0	-6.6	286	13	82.058	-136.575	1026.2	-13.9
257	14	82.916	-134.012	1018.3	-6.6	287	14	81.998	-136.986	1027.3	-12.2
258	15	82.929	-133.838	1020.0	-8.3	288	15	81.960	-137.401	1022.9	-13.3
259	16	82.936	-133.827	1020.5	-9.5	289	16	81.893	-137.812	1020.1	-14.2
260	17	82.923	-133.836	1019.6	-8.3	290	17	81.845	-138.062	1020.3	-15.5
261	18	82.911	-134.101	1009.2	-7.1	291	18	81.799	-138.032	1022.5	-16.2
262	19	82.928	-134.407	1016.8	-8.2	292	19	81.756	-137.911	1022.3	-19.8
263	20	82.888	-134.457	1021.5	-9.1	293	20	81.726	-137.805	1023.1	-18.5
264	21	82.854	-134.478	1019.0	-6.1	294	21	81.694	-137.672	1023.7	-19.4
265	22	82.824	-134.250	1018.6	-8.4	295	22	81.636	-137.051	1012.7	-19.5
266	23	82.828	-133.915	1020.6	-9.6	296	23	81.582	-137.013	1021.1	-20.9
267	24	82.839	-133.771	1018.2	-7.9	297	24	81.567	-136.919	1018.1	-18.7
268	25	82.843	-133.771	1013.7	-7.2	298	25	81.544	-136.892	1017.5	-15.5
269	26	82.822	-133.871	1017.1	-8.3	299	26	81.524	-136.951	1014.1	-19.0
270	27	82.776	-133.836	1022.3	-9.3	300	27	81.496	-136.594	1007.4	-21.9
271	28	82.734	-133.912	1022.2	-9.8	301	28	81.521	-135.980	1008.8	-19.5
272	29	82.691	-134.075	1024.8	-6.9	302	29	81.593	-135.572	1014.3	-18.3
273	30	82.644	-134.172	1026.2	-6.4	303	30	81.652	-135.313	1019.7	-20.0
						304	31	81.658	-135.173	1030.8	-20.1

Buoy 9

BUOY(9) NOV. 79	LAT (N)	LOM (+E,-W)	P (MB)	T (C)	BUOY(9) DEC. 79	LAT (N)	LOM (+E,-W)	P (MB)	T (C)		
305	1	81.656	-135.428	1032.6	-19.4	335	1	81.364	-136.778	1014.9	-26.3
306	2	81.644	-135.839	1028.6	-20.2	336	2	81.354	-136.793	1019.9	-28.4
307	3	81.620	-135.985	1025.0	-21.2	337	3	81.342	-136.722	1014.8	-28.9
308	4	81.607	-135.895	1024.5	-22.1	338	4			979.4	-29.4
309	5	81.596	-135.886	1029.7	-22.3	339	5			943.9	-29.5
310	6	81.559	-135.999	1038.6	-23.0	340	6	81.280	-136.796	1001.7	-27.8
311	7	81.526	-136.191	1035.9	-22.8	341	7			975.6	-27.7
312	8	81.453	-136.322	1033.7	-20.0	342	8			944.6	-27.4
313	9	81.392	-136.673	1032.1	-20.2	343	9	81.127	-136.741	1009.0	-25.8
314	10	81.347	-136.885	1031.8	-23.9	344	10	81.066	-136.693	1007.7	-25.4
315	11	81.322	-136.814	1027.8	-24.2	345	11	81.047	-136.702	1013.6	-24.5
316	12	81.318	-136.566	1021.9	-23.2	346	12			1009.3	-23.9
317	13	81.327	-136.204	1015.0	-21.2						
318	14	81.347	-135.991	1006.8	-21.3						
319	15	81.370	-135.832	1002.4	-22.6						
320	16	81.403	-135.851	1003.1	-22.9						
321	17	81.415	-136.007	1001.6	-21.7						
322	18	81.414	-136.229	1008.4	-19.7						
323	19	81.383	-136.549	1006.7	-19.8						
324	20	81.340	-137.442	989.7	-18.2						
325	21	81.324	-137.748	989.8	-19.2						
326	22	81.284	-137.658	999.8	-20.4						
327	23	81.259	-137.550	1003.1	-22.3						
328	24	81.215	-137.233	1014.5	-24.5						
329	25	81.216	-137.146	1017.4	-26.8						
330	26	81.288	-137.420	1014.2	-25.2						
331	27	81.377	-137.492	1018.4	-20.0						
332	28	81.429	-137.444	1012.4	-17.4						
333	29	81.407	-137.020	1016.1	-20.8						
334	30	81.379	-136.822	1012.6	-24.3						

Buoy 11

BUOY(11)		LAT	LON	P	T
FEB. 79		(N)	(+E,-W)	(MB)	(C)
50	19	75.882	179.948	1010.6	-32.5
51	20	75.889	179.887	1015.4	-29.0
52	21	75.909	179.825	1016.9	-27.5
53	22	75.957	179.801	1008.6	-22.3
54	23			1022.6	-22.4
55	24	76.106	179.806	1014.1	-21.3
56	25	76.087	179.930	1028.0	-23.2
57	26	76.088	179.874	1024.6	-21.6
58	27			1027.0	-20.4
59	28	76.059	-180.000	1028.4	-23.1

BUOY(11)		LAT	LON	P	T
MAR. 79		(N)	(+E,-W)	(MB)	(C)
60	1	76.050	-179.975	1036.2	-32.7
61	2	76.077	179.917	1021.7	-28.2
62	3	76.119	179.448	1028.6	-27.8
63	4	76.131	179.325	1030.6	-32.1
64	5	76.173	179.375	1027.7	-30.8
65	6	76.187	179.462	1027.3	-31.9
66	7	76.182	179.416	1030.9	-35.0
67	8	76.178	179.392	1039.0	-35.1
68	9	76.175	179.145	1047.2	-34.1
69	10	76.203	178.886	1054.0	-34.4
70	11	76.196	178.561	1057.1	-33.7
71	12	76.135	178.389	1047.5	-31.9
72	13	76.113	178.315	1043.1	-27.9
73	14	76.110	178.086	1042.7	-28.3
74	15	76.099	177.792	1044.8	-29.1
75	16	76.083	177.789	1033.2	-26.4
76	17	76.064	177.850	1029.7	-24.5
77	18	76.023	177.888	1029.0	-25.9
78	19	76.018	177.910	1033.7	-28.7
79	20	76.015	177.910	1037.2	-30.4
80	21	76.022	177.910	1041.3	-31.6
81	22	76.028	177.876	1038.8	-31.4
82	23	76.050	177.775	1030.4	-30.7
83	24	76.052	177.538	1026.2	-27.0
84	25	76.071	177.381	1029.8	-20.2
85	26	76.064	176.882	1023.4	-17.3
86	27	76.047	176.594	1024.2	-17.4
87	28	76.048	176.559	1029.2	-20.5
88	29	76.045	176.592	1033.5	-20.0
89	30			1039.1	-24.5
90	31	76.031	176.643	1040.3	-26.7

BUOY(11)		LAT	LON	P	T
APR. 79		(N)	(+E,-W)	(MB)	(C)
91	1	76.016	176.749	1036.4	-23.6
92	2	76.019	176.770	1034.6	-24.1
93	3	76.016	176.776	1032.0	-24.7
94	4	76.016	176.755	1028.0	-24.5
95	5	76.017	176.740	1026.3	-25.7
96	6	76.012	176.732	1023.4	-25.4
97	7	76.014	176.741	1025.3	-25.7
98	8	76.009	176.751	1024.4	-24.9
99	9	76.015	176.764	1025.5	-24.2
100	10	76.016	176.770	1030.8	-26.7
101	11	76.013	176.728	1029.3	-28.1
102	12	76.030	176.691	1029.0	-24.8
103	13	76.057	176.634	1033.7	-23.4
104	14	76.064	176.627	1036.2	-23.1
105	15	76.064	176.613	1037.0	-21.8
106	16	76.059	176.622	1031.8	-19.0
107	17	76.051	176.616	1030.5	-21.2
108	18	76.022	176.611	1034.4	-24.5
109	19	76.010	176.612	1033.1	-15.5
110	20	76.011	176.605	1029.6	-12.9
111	21	76.011	176.598	1025.3	-13.1
112	22	76.015	176.595	1012.6	-10.9
113	23	76.014	176.593	1010.4	-10.2
114	24	76.013	176.590	1003.0	-9.9
115	25	76.015	176.591	1004.5	-10.4
116	26	76.015	176.591	1007.2	-9.1
117	27	76.016	176.569	1007.2	-9.4
118	28	76.024	176.546	1015.1	-9.7
119	29	76.020	176.494	1013.7	-8.9
120	30	76.061	176.365	985.0	-5.3

Buoy 13

BUOY(13)		LAT	LONG	P	T
FEB. 79		(N)	(+E,-W)	(MB)	(C)
49	18	74.465	-150.764	1013.4	-26.1
50	19	74.470	-150.775	1018.7	-28.9
51	20	74.488	-150.832	1026.9	-25.6
52	21	74.542	-150.896	1029.7	-24.2
53	22	74.552	-150.912	1027.3	-22.0
54	23	74.553	-150.820	1021.7	-20.7
55	24	74.507	-150.807	1029.9	-23.0
56	25	74.524	-150.783	1026.1	-23.8
57	26	74.524	-150.774	1025.6	-19.2
58	27	74.523	-150.817	1027.5	-21.0
59	28	74.497	-150.796	1027.6	-24.2

BUOY(13)		LAT	LONG	P	T
MAR. 79		(N)	(+E,-W)	(MB)	(C)
60	1	74.463	-150.881	1032.2	-29.2
61	2	74.430	-150.823	1026.0	-30.7
62	3	74.370	-150.700	1025.2	-34.0
63	4	74.362	-150.740	1032.5	-33.1
64	5	74.350	-150.844	1034.5	-34.1
65	6	74.346	-151.003	1029.6	-31.9
66	7	74.364	-151.081	1026.8	-30.9
67	8	74.363	-151.153	1034.5	-31.4
68	9	74.346	-151.246	1041.2	-32.3
69	10	74.243	-151.600	1040.0	-32.4
70	11	74.203	-151.963	1035.7	-29.5
71	12	74.215	-152.241	1034.6	-28.1
72	13	74.064	-152.354	1035.8	-29.6
73	14	74.012	-152.533	1033.6	-29.4
74	15	73.915	-152.751	1027.3	-28.4
75	16	73.867	-152.783	1017.8	-28.2
76	17	73.768	-152.837	1004.7	-25.8
77	18	73.734	-152.847	1007.8	-23.9
78	19	73.700	-152.865	1023.0	-29.8
79	20	73.700	-152.861	1028.7	-30.1
80	21	73.701	-152.847	1035.4	-28.5
81	22	73.698	-152.850	1037.6	-24.8
82	23	73.712	-153.125	1030.9	-27.9
83	24	73.716	-153.226	1029.6	-24.8
84	25	73.710	-153.215	1033.1	-19.7
85	26	73.727	-153.355	1027.4	-16.4
86	27	73.758	-153.487	1022.1	-16.1
87	28	73.740	-153.469	1025.2	-17.5
88	29	73.743	-153.474	1029.9	-22.0
89	30	73.743	-153.472	1033.7	-25.4
90	31	73.735	-153.404	1031.3	-25.6

BUOY(13)		LAT	LONG	P	T
APR. 79		(N)	(+E,-W)	(MB)	(C)
91	1	73.720	-153.398	1032.3	-24.3
92	2	73.717	-153.374	1029.7	-24.3
93	3	73.714	-153.364	1031.2	-25.2
94	4	73.716	-153.607	1020.7	-23.6
95	5	73.706	-154.207	1014.2	-21.9
96	6	73.685	-154.393	1015.2	-23.5
97	7	73.677	-154.361	1014.7	-24.4
98	8	73.672	-154.406	1015.0	-22.8
99	9	73.666	-154.400	1023.5	-24.6
100	10	73.660	-154.331	1024.9	-25.0
101	11	73.643	-154.282	1038.4	-27.1
102	12	73.667	-154.323	1042.7	-23.9
103	13	73.677	-154.417	1042.6	-24.7
104	14	73.671	-154.452	1043.7	-23.6
105	15	73.656	-154.465	1038.7	-23.0
106	16	73.657	-154.463	1029.7	-22.6
107	17	73.654	-154.470	1025.5	-22.0
108	18	73.613	-154.563	1025.9	-21.8
109	19	73.568	-154.632	1027.0	-21.1
110	20	73.556	-154.710	1024.9	-19.3
111	21	73.566	-154.765	1025.6	-16.8
112	22	73.605	-154.829	1004.4	-11.7
113	23	73.578	-154.630	1011.6	-9.7
114	24	73.590	-154.647	1001.5	-9.9
115	25	73.636	-154.723	997.3	-3.7
116	26	73.641	-154.395	1005.8	-5.8
117	27	73.616	-154.220	1012.0	-8.5
118	28	73.674	-154.392	1010.3	-5.6
119	29	73.729	-154.451	1017.8	-1.1
120	30	73.802	-154.546	1018.7	-2.3

BUOY(13)		LAT	LONG	P	T
MAY 79		(N)	(+E,-W)	(MB)	(C)
121	1	73.810	-154.413	1027.2	-3.4
122	2	73.809	-154.794	1016.5	-4.9
123	3	73.894	-155.044	1010.2	-3.2
124	4	73.905	-155.206	1011.7	-2.2
125	5	73.908	-155.481	1006.2	-3.3
126	6	73.951	-155.584	1014.7	-3.3
127	7	73.982	-155.721	1021.7	-1.6
128	8	74.016	-156.011	1028.5	-3.7
129	9	74.012	-156.245	1027.6	-4.5
130	10	73.989	-156.403	1023.7	-4.7
131	11	73.964	-156.563	1021.4	-5.2
132	12	73.961	-156.709	1023.7	-6.2
133	13	73.937	-156.702	1020.4	-7.4
134	14	73.921	-156.649	1019.5	-7.2
135	15	73.920	-156.649	1019.8	-5.0
136	16	73.930	-156.731	1016.6	-3.5
137	17	73.942	-156.948	1016.6	-4.2
138	18	73.947	-157.136	1018.6	-6.6
139	19	73.937	-157.266	1021.2	-5.9
140	20	73.927	-157.502	1021.0	-6.4
141	21	73.914	-157.782	1023.3	-6.2
142	22	73.913	-158.047	1025.6	-6.6
143	23	73.935	-158.293	1022.0	-7.2
144	24	73.991	-158.631	1014.7	-7.8
145	25	74.122	-159.018	1008.0	-6.0
146	26	74.246	-159.289	1006.0	-3.4
147	27	74.312	-159.324	1010.6	2.0
148	28	74.317	-159.161	1015.8	1.9
149	29	74.288	-159.105	1015.7	-5.5
150	30	74.253	-159.240	1019.5	-8.8
151	31	74.268	-159.284	1015.4	4.4

Buoy 13

BUOY(13) JUNE 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)	BUOY(13) JULY 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)
152	1	74.312	-159.120	1009.3	2.3	182	1	74.245	-160.754	1008.3	4.3
153	2	74.285	-158.932	1011.2	2.0	183	2	74.274	-160.561	1012.9	5.1
154	3	74.281	-158.902	1013.2	3.0	184	3	74.254	-160.368	1009.9	4.2
155	4	74.303	-159.161	1014.4	2.8	185	4	74.264	-160.600	1009.3	3.3
156	5	74.354	-159.339	1015.2	2.7	186	5	74.314	-160.771	999.4	3.4
157	6	74.434	-159.452	1016.7	2.0	187	6	74.364	-160.642	995.8	3.2
158	7	74.507	-159.453	1014.3	2.7	188	7	74.411	-160.741	998.9	3.9
159	8	74.466	-159.401	1021.0	2.5	189	8	74.387	-160.969	1002.5	3.4
160	9	74.452	-159.410	1019.5	2.2	190	9	74.336	-161.071	1007.6	3.7
161	10	74.486	-159.524	1008.0	3.8	191	10	74.334	-161.100	1006.1	4.5
162	11	74.507	-159.618	998.1	4.0	192	11	74.246	-161.011	1008.3	4.2
163	12	74.482	-159.786	1001.7	4.2	193	12	74.271	-160.636	1013.2	3.5
164	13	74.417	-160.076	1014.7	1.7	194	13	74.325	-160.636	1012.3	3.0
165	14	74.376	-160.098	1022.6	3.4	195	14	74.370	-160.451	1010.1	4.2
166	15	74.329	-159.933	1017.6	2.9	196	15	74.411	-160.252	1004.7	3.4
167	16	74.315	-159.936	1011.7	5.0	197	16	74.424	-160.237	1014.2	5.0
169	17	74.355	-160.166	1011.7	3.5	198	17	74.442	-159.965	1012.5	3.8
169	18	74.415	-160.453	1016.4	2.8	199	18	74.514	-160.012	1016.0	4.5
170	19	74.463	-160.716	1019.3	2.6	200	19	74.533	-160.126	1017.2	5.0
171	20	74.481	-160.791	1020.5	3.0	201	20	74.578	-160.096	1016.3	3.7
172	21	74.476	-160.792	1019.2	4.1	202	21	74.628	-160.015	1012.5	4.5
173	22	74.456	-160.830	1022.9	3.4	203	22	74.638	-160.060	1011.9	5.1
174	23	74.452	-160.781	1019.8	4.5	204	23	74.639	-160.060	1009.6	6.2
175	24	74.440	-160.843	1015.5	2.5	205	24	74.680	-160.049	1008.5	3.8
176	25	74.391	-161.283	1016.8	2.1	206	25	74.704	-160.166	1010.8	5.6
177	26	74.325	-161.413	1016.1	3.0	207	26	74.750	-160.250	1017.2	4.4
178	27	74.272	-161.424	1016.8	4.3	208	27	74.791	-160.311	1020.4	4.4
179	28	74.232	-161.356	1014.4	4.1	209	28	74.871	-160.611	1011.8	2.4
180	29	74.237	-161.128	1007.9	4.6	210	29	74.922	-160.675	1014.1	3.3
181	30	74.244	-160.928	1006.0	3.9	211	30	74.982	-160.733	1013.3	2.9
						212	31	75.055	-160.692	1011.8	2.5

BUOY(13) AUG. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)	BUOY(13) SEPT 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)		
213	1	75.146	-161.044	1012.9	2.4	244	1	76.381	-169.485	1016.4	-1.0
214	2	75.178	-161.135	1013.8	2.7	245	2	76.398	-169.575	1017.2	-1.2
215	3	75.182	-161.061	1010.0	2.5	246	3	76.419	-169.796	1015.4	-.5
216	4	75.115	-160.913	1015.0	2.1	247	4	76.456	-170.030	1022.1	-.4
217	5	75.101	-161.036	1019.0	2.3	248	5	76.474	-170.298	1028.9	-2.0
218	6	75.147	-161.353	1020.8	2.1	249	6	76.568	-170.538	1015.6	-1.4
219	7	75.202	-161.645	1019.9	1.8	250	7	76.715	-170.591	1008.0	.3
220	8	75.247	-161.842	1016.9	2.0	251	8	76.722	-170.139	1012.1	-.1
221	9	75.250	-161.965	1017.2	2.1	252	9	76.732	-169.476	1013.3	-1.0
222	10	75.246	-162.061	1017.8	2.2	253	10	76.697	-169.232	1022.4	-1.4
223	11	75.266	-162.149	1015.8	3.0	254	11	76.697	-169.352	1025.6	-1.7
224	12	75.335	-162.557	1012.7	1.9	255	12	76.672	-169.559	1035.6	-3.6
225	13	75.374	-163.009	1011.4	1.8	256	13	76.683	-169.651	1035.4	-3.9
226	14	75.460	-163.557	1007.4	1.7	257	14	76.708	-169.203	1018.4	-2.9
227	15	75.550	-163.938	1003.7	1.7	258	15	76.657	-169.324	1017.4	-2.4
228	16	75.641	-164.343	1001.9	1.6	259	16	76.691	-169.313	1017.5	-2.0
229	17	75.726	-164.916	1009.5	1.5	260	17	76.708	-169.521	1014.8	-1.8
230	18	75.808	-165.600	1015.0	1.2	261	18	76.706	-169.787	1016.0	-2.4
231	19	75.858	-166.046	1013.9	1.6	262	19	76.635	-169.701	1000.2	-2.6
232	20	75.918	-166.449	1009.4	1.7	263	20	76.640	-169.931	1006.0	-2.9
233	21	76.016	-166.829	1002.9	1.6	264	21	76.683	-170.720	1007.3	-3.3
234	22	76.030	-166.925	1008.9	1.5	265	22	76.685	-171.135	1001.2	-2.1
235	23	76.023	-166.652	1017.2	1.6	266	23	76.757	-171.286	1008.3	-2.1
236	24	76.036	-166.794	1018.3	1.8	267	24	76.777	-171.845	1002.1	-1.8
237	25	76.165	-167.410	1006.6	1.3	268	25	76.812	-172.195	1006.1	-1.7
238	26	76.246	-167.792	1000.4	1.1	269	26	76.883	-172.517	1009.6	-1.8
239	27	76.286	-168.154	1008.8	.9	270	27	76.939	-172.989	1011.8	-2.0
240	28	76.299	-168.937	1016.8	-1.2	271	28	77.006	-173.553	1013.2	-2.1
241	29	76.288	-169.058	1012.6	-.7	272	29	77.070	-173.918	1020.8	-3.3
242	30	76.322	-169.134	1013.4	-.2	273	30	77.105	-174.140	1023.7	-4.3
243	31	76.372	-169.464	1012.8	-1.1						

Buoy 13

BUOY(13) OCT. 79	LAT (N)	LONG (+E,-W)	P (MB)	T (C)	BUOY(13) NOV. 79	LAT (N)	LONG (+E,-W)	P (MB)	T (C)		
274	1	77.132	-174.518	1021.8	-4.1	305	1	77.298	-178.254	1020.4	-9.0
275	2	77.168	-174.836	1026.6	-3.7	306	2	77.278	-178.801	1018.9	-8.7
276	3	77.218	-175.156	1025.3	-4.0	307	3	77.254	-179.260	1015.2	-9.0
277	4	77.242	-175.584	1026.0	-4.2	308	4	77.224	-179.584	1012.3	-8.8
278	5	77.260	-175.970	1024.3	-4.4	309	5	77.208	-179.588	1026.7	-8.5
279	6	77.298	-176.408	1025.6	-5.0	310	6	77.205	-179.627	1032.9	-10.3
280	7	77.272	-176.903	1021.6	-4.2	311	7	77.158	-179.832	1019.4	-9.9
281	8	77.234	-177.304	1026.4	-4.5	312	8	77.124	-179.064	1022.5	-8.1
282	9	77.208	-177.616	1018.5	-5.4	313	9	77.081	-177.968	1018.6	-7.2
283	10	77.178	-177.741	1016.0	-5.6	314	10	77.004	-177.110	1022.1	-8.2
284	11	77.146	-177.835	1020.9	-6.0	315	11	76.867	-176.878	1022.4	-10.0
285	12	77.085	-177.860	1028.9	-5.3	316	12	76.792	-176.995	1022.6	-13.0
286	13	77.053	-177.930	1032.2	-4.6	317	13	76.736	-177.301	1017.1	-14.0
287	14	77.041	-178.064	1032.9	-4.2	318	14	76.694	-177.427	1011.2	-13.5
288	15	77.014	-178.127	1033.2	-4.2	319	15	76.660	-177.525	1003.5	-12.4
289	16	77.030	-178.095	1027.5	-3.9	320	16	76.626	-177.558	1003.1	-14.4
290	17	77.057	-178.155	1019.5	-4.4	321	17	76.626	-177.567	1000.9	-15.8
291	18	77.076	-178.268	1018.7	-4.3	322	18	76.609	-177.479	1013.9	-17.0
292	19	77.127	-178.592	1016.8	-5.5	323	19	76.609	-177.436	1018.3	-18.3
293	20	77.145	-178.994	1014.0	-6.7	324	20	76.586	-177.435	1014.3	-19.0
294	21	77.144	-179.180	1018.8	-6.4	325	21	76.512	-177.594	1012.7	-18.9
295	22	77.126	-179.236	1023.2	-7.7	326	22	76.465	-177.799	1016.3	-19.2
296	23	77.104	-179.262	1026.5	-9.3	327	23	76.455	-177.935	1018.4	-20.0
297	24	77.090	-179.288	1027.3	-9.7	328	24	76.558	-177.620	996.1	-18.5
298	25	77.062	-179.319	1025.9	-7.4	329	25	76.663	-176.715	975.7	-15.6
299	26	77.037	-179.332	1025.2	-6.2	330	26	76.727	-176.502	991.9	-15.6
300	27	77.018	-179.262	1017.5	-6.3	331	27	76.781	-176.413	998.0	-16.0
301	28	77.018	-179.007	1015.8	-6.8	332	28	76.840	-176.466	1005.8	-17.5
302	29	77.052	-178.534	1010.4	-7.3	333	29	76.868	-176.772	1016.9	-18.3
303	30	77.150	-178.012	1006.0	-7.4	334	30	76.892	-176.982	1013.7	-18.7
304	31	77.263	-177.866	1016.1	-7.4						

BUOY(13) DEC. 79		LAT (N)	LONG (+E,-W)	P (MB)	T (C)
335	1	76.920	176.880	1008.4	-18.8
336	2	76.987	176.504	1001.2	-16.0
337	3	77.086	176.062	994.5	-14.8
338	4	77.106	175.660	984.2	-15.0
339	5	77.076	175.508	993.0	-15.2
340	6	77.068	175.523	1004.0	-16.7
341	7	77.070	175.517	1013.1	-19.3
342	8	77.060	175.489	1015.8	-20.4
343	9	77.044	175.458	1019.4	-21.0
344	10	77.039	175.375	1020.0	-22.0
345	11	77.072	175.300	1026.3	-21.8
346	12	77.202	175.590	1011.8	-17.6
347	13	77.207	175.768	1013.5	-14.9
348	14	77.208	175.779	1014.3	-16.5
349	15	77.211	175.770	1023.2	-17.3
350	16	77.220	175.942	1026.5	-16.3
351	17	77.224	175.831	1017.4	-15.8
352	18	77.192	175.644	1021.8	-17.9
353	19	77.151	175.729	1015.9	-17.9
354	20	77.117	175.828	1015.2	-18.7
355	21	77.116	175.911	1014.5	-20.8
356	22	77.104	175.978	1017.3	-22.0
357	23	77.103	176.077	1019.4	-22.0
358	24	77.128	176.067	1014.5	-22.3
359	25	77.162	176.001	1012.4	-22.0
360	26	77.174	175.936	1013.6	-22.2
361	27	77.177	175.872	1016.9	-23.3
362	28	77.179	175.868	1025.8	-23.6
363	29	77.173	175.861	1035.2	-24.1
364	30	77.146	175.711	1040.3	-23.7
365	31	77.066	175.706	1041.0	-21.5

BUOY(14)	LAT	LON	P	T	
FEB. 79	(N)	(+E,-W)	(MB)	(C)	
49	18	73.966	-135.785	1006.2	-25.0
50	19			1022.4	-35.1
51	20			1031.9	-35.5
52	21	73.964	-135.837	1035.0	-33.6
53	22	73.986	-135.850	1026.5	-29.6
54	23	73.990	-135.840	1024.2	-28.4
55	24	73.940	-135.873	1022.9	-25.1
56	25	73.930	-135.897	1028.1	-28.0
57	26	73.929	-135.846	1027.3	-22.5
58	27	73.930	-135.872	1027.9	-22.4
59	28			1026.0	-22.4

BUOY(14)	LAT	LON	P	T	
MAR. 79	(N)	(+E,-W)	(MB)	(C)	
60	1	73.893	-135.767	1023.6	-31.8
61	2			1017.6	-34.6
62	3			1019.6	-39.0
63	4	73.826	-135.726	1029.9	-38.9
64	5	73.820	-135.748	1029.2	-37.5
65	6	73.820	-135.731	1030.4	-35.4
66	7	73.822	-135.619	1027.3	-35.1
67	8	73.812	-135.899	1030.5	-34.7
68	9	73.784	-135.945	1035.6	-37.3
69	10	73.749	-135.991	1032.5	-37.8
70	11	73.663	-136.100	1022.5	-32.0
71	12	73.645	-136.146	1030.3	-32.3
72	13	73.645	-136.146	1038.0	-34.0
73	14	73.649	-136.151	1026.4	-33.5
74	15	73.644	-136.164	1016.1	-31.8
75	16	73.646	-136.144	1012.0	-33.1
76	17	73.646	-136.143	1001.6	-32.2
77	18	73.647	-136.155	1006.7	-29.4
78	19	73.628	-136.152	1017.0	-29.9
79	20	73.641	-136.150	1022.8	-33.7
80	21	73.635	-136.118	1032.7	-35.1
81	22	73.629	-136.147	1037.2	-34.3
82	23	73.637	-136.155	1037.8	-32.6
83	24	73.636	-136.221	1029.7	-29.7
84	25	73.593	-136.242	1031.8	-28.6
85	26	73.534	-136.174	1028.9	-24.6
86	27	73.529	-136.173	1018.2	-20.5
87	28	73.530	-136.189	1018.5	-20.6
88	29	73.522	-136.215	1032.2	-28.9
89	30	73.518	-136.191	1029.9	-28.5
90	31	73.517	-136.189	1026.3	-27.5

BUOY(14)	LAT	LON	P	T	
APR. 79	(N)	(+E,-W)	(MB)	(C)	
91	1	73.516	-136.187	1030.2	-27.8
92	2	73.518	-136.190	1029.5	-28.0
93	3	73.517	-136.188	1036.0	-29.5
94	4	73.518	-136.204	1030.0	-28.2
95	5	73.553	-136.532	1020.2	-25.2
96	6	73.577	-136.782	1016.8	-25.3
97	7	73.577	-136.822	1014.4	-24.9
98	8	73.572	-136.836	1011.5	-24.3
99	9	73.557	-136.827	1016.4	-25.0
100	10	73.542	-136.733	1028.3	-25.9
101	11	73.545	-136.684	1036.8	-26.2
102	12	73.531	-136.712	1042.6	-27.7
103	13	73.517	-136.741	1037.9	-26.2
104	14	73.501	-136.746	1035.6	-23.8
105	15	73.502	-136.761	1035.8	-23.0
106	16	73.503	-136.755	1028.3	-24.7
107	17	73.503	-136.761	1025.4	-24.5
108	18	73.502	-136.748	1024.9	-24.5
109	19	73.501	-136.751	1025.1	-22.7
110	20	73.499	-136.749	1029.6	-22.7
111	21	73.503	-136.785	1032.1	-22.3
112	22	73.522	-136.893	1021.8	-20.2
113	23	73.562	-136.898	1007.3	-14.3
114	24	73.529	-136.748	1010.5	-14.1
115	25	73.572	-136.873	1006.7	-11.8
116	26	73.573	-136.639	1008.7	-6.3
117	27	73.537	-136.467	1011.5	-9.1
118	28	73.541	-136.470	1020.8	-9.9
119	29	73.575	-136.582	1030.0	-9.4
120	30	73.670	-136.852	1028.1	-8.0

BUOY(14)	LAT	LON	P	T	
MAY 79	(N)	(+E,-W)	(MB)	(C)	
121	1	73.722	-136.883	1027.2	-6.2
122	2	73.777	-137.041	1028.1	-6.1
123	3	73.896	-137.292	1023.8	-6.5
124	4	74.010	-137.477	1020.1	-4.6
125	5	74.082	-137.809	1018.0	-4.0
126	6	74.176	-137.966	1025.8	-4.7
127	7	74.222	-138.112	1030.7	-6.8
128	8	74.215	-138.390	1028.3	-6.9
129	9	74.163	-138.668	1023.0	-7.1
130	10	74.118	-138.814	1017.7	-7.6
131	11	74.091	-138.959	1017.2	-8.0
132	12	74.042	-138.915	1016.0	-9.0
133	13	73.993	-138.748	1016.2	-7.5
134	14	73.963	-138.633	1015.8	-7.2
135	15	73.920	-138.525	1018.7	-5.9
136	16	73.902	-138.515	1015.2	-5.5
137	17	73.888	-138.618	1015.5	-6.6
138	18	73.875	-138.792	1016.6	-6.8
139	19	73.838	-138.769	1021.6	-7.0
140	20	73.842	-138.849	1021.0	-5.9
141	21	73.853	-139.097	1021.7	-6.5
142	22	73.844	-139.420	1023.1	-7.4
143	23	73.827	-139.694	1022.1	-8.1
144	24	73.824	-140.023	1017.5	-7.9
145	25	73.846	-140.332	1018.4	-7.6
146	26	73.919	-140.534	1017.5	-6.3
147	27	74.020	-140.664	1016.6	-4.4
148	28	74.034	-140.591	1017.6	-1.1
149	29	74.008	-140.510	1014.7	.0
150	30	74.005	-140.590	1015.1	-1.1
151	31	73.964	-140.643	1021.1	-4.4

Buoy 14

BUOY (14) JUNE 79	LAT (N)	LONG (+E, -W)	P (MB)	T (C)	BUOY (14) JULY 79	LAT (N)	LONG (+E, -W)	P (MB)	T (C)		
152	1	73.999	-140.573	1017.9	-0.2	182	1	73.761	-140.521	1010.4	1.8
153	2	74.030	-140.404	1012.6	-0.4	183	2	73.740	-140.747	1015.9	2.5
154	3	74.003	-140.292	1011.3	.7	184	3	73.755	-140.733	1013.3	3.0
155	4	73.973	-140.472	1016.3	1.1	185	4	73.747	-140.763	1013.9	2.7
156	5	73.940	-140.688	1016.9	-0.5	186	5	73.813	-141.130	1003.2	1.6
157	6	73.936	-140.688	1022.4	-0.6	187	6	73.790	-141.122	999.2	1.3
158	7	73.947	-140.950	1020.0	-1.5	188	7	73.766	-141.088	1000.7	1.9
159	8	73.964	-140.965	1019.0	-0.5	189	8	73.766	-140.896	999.2	1.7
160	9	73.937	-140.991	1022.6	1.3	190	9	73.741	-140.739	1007.0	1.8
161	10	73.960	-141.075	1014.6	2.0	191	10	73.754	-140.875	1008.9	2.3
162	11	74.000	-141.049	1000.7	2.9	192	11	73.750	-140.813	1004.9	2.6
163	12	73.990	-140.983	999.1	3.0	193	12	73.712	-140.720	1013.1	2.6
164	13	73.970	-141.098	1008.5	2.9	194	13	73.875	-140.801	1019.6	2.3
165	14	73.942	-141.332	1018.2	1.6	195	14	73.864	-140.496	1016.6	3.7
166	15	73.839	-141.033	1012.2	1.0	196	15	73.864	-140.414	1014.6	4.2
167	16	73.754	-140.852	1011.6	2.1	197	16	73.850	-140.384	1020.2	4.0
168	17	73.755	-140.964	1013.6	3.6	198	17	73.851	-140.389	1018.2	4.0
169	18	73.784	-141.060	1019.1	3.1	199	18	73.840	-140.398	1015.9	5.3
170	19	73.865	-141.221	1023.3	2.2	200	19	73.842	-140.458	1018.1	5.2
171	20	73.831	-141.365	1024.0	1.4	201	20	73.837	-140.496	1020.2	4.8
172	21	73.834	-141.384	1022.3	1.6	202	21	73.828	-140.549	1017.5	4.9
173	22	73.831	-141.410	1019.5	1.6	203	22	73.849	-140.606	1010.6	4.8
174	23	73.803	-141.448	1019.9	1.8	204	23	73.863	-140.703	1007.8	5.0
175	24	73.790	-141.409	1011.8	1.9	205	24	73.860	-140.716	1011.8	3.5
176	25	73.821	-141.547	1009.5	1.5	206	25	73.855	-140.744	1014.2	3.8
177	26	73.825	-141.712	1013.6	1.7	207	26	73.857	-140.865	1017.5	4.2
178	27	73.805	-141.687	1015.6	1.6	208	27	73.677	-141.032	1021.7	3.1
179	28	73.777	-141.480	1013.2	1.5	209	28	73.747	-141.262	1018.5	3.0
180	29	73.769	-141.292	1013.4	1.7	210	29	73.791	-141.401	1016.2	2.8
181	30	73.774	-141.102	1007.6	2.1	211	30	73.770	-141.490	1016.4	3.1
						212	31			1014.8	3.6

BUOY (14) AUG. 79	LAT (N)	LONG (+E, -W)	P (MB)	T (C)	BUOY (14) SEPT 79	LAT (N)	LONG (+E, -W)	P (MB)	T (C)		
213	1	73.811	-141.731	1018.1	3.5	244	1	74.627	-147.647	1013.8	.7
214	2	73.837	-141.838	1016.7	3.7	245	2	74.669	-148.002	1015.2	.1
215	3	73.821	-141.861	1011.4	3.5	246	3	74.703	-148.192	1016.0	-1.5
216	4	73.787	-141.824	1009.4	2.1	247	4	74.699	-148.563	1015.4	-2.1
217	5	73.712	-141.877	1013.0	1.7	248	5	74.640	-148.690	1022.9	-.8
218	6	73.701	-142.067	1017.9	1.9	249	6	74.576	-148.924	1027.5	-2.3
219	7	73.737	-142.270	1020.3	1.3	250	7	74.654	-148.894	1015.0	-1.2
220	8	73.782	-142.448	1017.4	1.2	251	8	74.669	-148.904	1015.5	.1
221	9	73.805	-142.633	1013.8	1.6	252	9	74.626	-148.901	1017.3	-1.1
222	10	73.807	-142.787	1014.7	2.1	253	10	74.587	-148.797	1020.2	-.8
223	11	73.779	-142.908	1017.6	2.4	254	11	74.561	-148.917	1023.0	-3.1
224	12	73.801	-143.108	1014.2	1.8	255	12	74.549	-149.179	1027.7	-7.4
225	13	73.850	-143.336	1012.8	1.6	256	13	74.520	-149.419	1033.8	-10.6
226	14	73.917	-143.618	1011.9	1.9	257	14	74.492	-149.551	1025.5	-11.8
227	15	73.990	-143.973	1005.4	2.2	258	15	74.493	-149.636	1018.9	-8.9
228	16	74.078	-144.370	1002.9	2.0	259	16	74.527	-149.949	1013.3	-6.8
229	17	74.180	-144.980	1009.0	.6	260	17	74.520	-150.264	1007.9	-7.1
230	18	74.258	-145.465	1014.6	.3	261	18	74.497	-150.356	1011.8	-12.3
231	19	74.286	-145.689	1016.2	1.3	262	19	74.507	-150.245	1007.7	-8.7
232	20	74.330	-145.883	1015.5	1.8	263	20	74.593	-150.441	1007.8	-5.7
233	21	74.415	-146.116	1008.1	1.5	264	21	74.680	-150.769	1006.0	-2.2
234	22	74.413	-145.956	1009.0	1.6	265	22	74.800	-151.031	1006.8	-3.7
235	23	74.345	-145.886	1016.4	1.0	266	23	74.874	-151.325	1004.5	-5.0
236	24	74.306	-145.876	1021.1	.8	267	24	74.986	-151.741	1000.5	-2.6
237	25	74.344	-146.003	1016.2	1.1	268	25	75.012	-151.789	1010.2	-2.3
238	26	74.411	-146.018	1006.7	1.0	269	26	75.018	-151.872	1010.6	-8.0
239	27	74.438	-146.056	1001.5	1.3	270	27	75.095	-152.268	1010.4	-6.4
240	28	74.558	-146.533	1005.4	-.1	271	28	75.200	-152.674	1014.1	-9.9
241	29	74.585	-147.139	1008.8	-1.8	272	29	75.240	-153.016	1021.2	-13.4
242	30	74.594	-147.504	1009.7	-2.5	273	30	75.266	-153.334	1023.8	-10.6
243	31	74.604	-147.688	1010.1	-.7						

Buoy 14

BUOY(14) OCT. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)	BUOY(14) NOV. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)		
274	1	75.293	-153.679	1020.6	-10.0	305	1	75.051	-161.360	1009.0	-17.2
275	2	75.309	-154.061	1023.8	-9.6	306	2	75.067	-161.676	1008.6	-16.6
276	3	75.316	-154.433	1024.4	-14.1	307	3	75.067	-162.286	999.2	-14.8
277	4	75.333	-154.924	1023.2	-12.8	308	4	75.063	-162.485	1006.3	-11.6
278	5	75.337	-155.356	1016.9	-14.1	309	5	75.016	-162.124	1027.0	-16.8
279	6	75.323	-155.816	1015.2	-15.7	310	6	75.027	-162.260	1025.1	-20.7
280	7	75.316	-156.157	1014.5	-13.0	311	7	75.106	-163.032	1006.6	-15.5
281	8	75.307	-156.408	1020.3	-14.5	312	8	75.196	-163.852	1012.6	-13.7
282	9	75.283	-156.605	1012.2	-17.2	313	9	75.331	-164.923	1008.7	-14.0
283	10	75.305	-157.014	1007.0	-17.3	314	10	75.418	-165.886	1010.3	-15.5
284	11	75.279	-157.329	1006.4	-15.2	315	11	75.485	-166.824	1008.8	-16.0
285	12	75.204	-157.268	1019.0	-17.3	316	12	75.481	-167.543	1011.9	-18.4
286	13	75.156	-157.454	1021.8	-18.6	317	13	75.443	-167.818	1014.5	-22.1
287	14	75.092	-157.853	1020.6	-16.0	318	14	75.431	-167.910	1007.5	-21.7
288	15	74.982	-158.156	1022.9	-14.6	319	15	75.417	-167.999	999.9	-22.6
289	16	74.877	-158.316	1024.7	-15.6	320	16	75.428	-168.117	994.5	-26.8
290	17	74.856	-158.435	1022.5	-14.6	321	17	75.432	-168.251	995.2	-29.3
291	18	74.840	-158.574	1021.8	-17.8	322	18	75.428	-168.442	1005.3	-27.3
292	19	74.958	-158.960	1013.0	-20.2	323	19	75.390	-168.567	1009.0	-31.4
293	20	75.024	-159.470	1010.9	-18.8	324	20	75.287	-168.711	1003.2	-30.1
294	21	75.051	-159.894	1015.3	-21.5	325	21	75.173	-168.644	1004.9	-28.1
295	22	75.063	-160.221	1020.5	-23.1	326	22	75.096	-168.576	1011.1	-28.8
296	23	75.053	-160.408	1022.9	-24.1	327	23	75.047	-168.539	1013.0	-29.4
297	24	75.026	-160.580	1022.1	-20.3	328	24	75.116	-168.759	1002.1	-27.2
298	25	74.989	-160.717	1020.8	-22.9	329	25	75.280	-169.475	972.8	-20.0
299	26	74.949	-160.789	1020.1	-21.8	330	26	75.342	-169.525	992.0	-19.9
300	27	74.911	-160.808	1021.1	-26.8	331	27	75.421	-169.598	1003.0	-22.3
301	28	74.924	-160.705	1019.2	-26.4	332	28	75.506	-169.437	1012.9	-24.9
302	29	74.946	-160.601	1017.1	-22.5	333	29	75.541	-169.320	1018.2	-27.5
303	30	74.986	-160.519	1015.0	-22.9	334	30			1011.9	-36.6
304	31	75.036	-160.693	1008.9	-21.9						

BUOY(14) DEC. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)
335	1		1006.9	-31.8
336	2	75.588 -170.052	1002.0	-24.3
337	3	75.686 -170.617	992.3	-21.3
338	4	75.773 -171.208	979.5	-18.0
339	5	75.827 -171.383	991.0	-19.3
340	6	75.822 -171.446	1003.1	-23.1
341	7	75.809 -171.405	1012.6	-27.5
342	8		1014.6	-30.0
343	9		1015.8	-29.2
344	10		1016.6	-29.6
345	11		1019.7	-29.0
346	12	75.856 -171.398	1019.6	-26.3
347	13	75.885 -171.142	1010.2	-21.1
348	14	75.876 -171.225	1010.8	-19.2
349	15	75.849 -171.391	1021.4	-20.5
350	16	75.846 -171.262	1028.2	-23.5
351	17	75.863 -171.195	1011.3	-21.3
352	18	75.794 -171.481	1011.0	-24.5
353	19	75.720 -171.528	1009.6	-23.4
354	20	75.684 -171.511	1012.3	-24.8
355	21		1013.4	-27.7
356	22			
357	23			
358	24			
359	25			
360	26			
361	27			
362	28			
363	29			
364	30	75.614 -172.122	1029.6	-23.4
365	31	75.618 -172.118	1032.8	-21.9

Buoy 15

BUOY(15) NOV. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)	BUOY(15) DEC. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)
305	1	84.662	38.729	1033.6	-19.0	335	1	84.183	21.543	996.1	-8.6
306	2	84.733	38.750	1021.5	-14.1	336	2	84.186	20.836	992.0	-7.0
307	3	84.712	39.167	1015.8	-12.0	337	3	84.135	20.080	1004.5	-7.5
308	4	84.721	39.475	1003.8	-7.8	338	4	84.084	19.845	999.8	-9.6
309	5	84.745	38.471	1002.8	-6.3	339	5	84.025	19.462	1005.6	-11.3
310	6	84.846	37.010	1010.3	-6.0	340	6	83.930	19.172	1003.8	-11.2
311	7	84.937	35.585	1014.9	-6.0	341	7	83.818	18.688	997.2	-10.7
312	8	85.011	34.091	1025.9	-8.5	342	8	83.732	17.867	996.8	-10.6
313	9	85.033	32.794	1023.6	-12.8	343	9	83.688	17.414	1003.5	-10.0
314	10	84.989	31.164	1009.6	-13.7	344	10	83.653	17.112	1004.8	-10.9
315	11	84.859	29.835	991.5	-12.4	345	11	83.628	16.827	1005.8	-10.8
316	12	84.803	28.703	992.8	-9.9	346	12	83.612	16.438	1006.1	-10.0
317	13	84.740	27.888	1006.9	-10.3	347	13	83.573	16.300	1013.8	-10.7
318	14	84.690	27.773	1015.2	-11.8	348	14	83.568	16.045	1006.4	-11.5
319	15	84.654	27.762	1016.9	-14.3	349	15	83.553	15.829	1017.3	-11.3
320	16	84.609	27.740	1021.4	-15.5	350	16	83.611	16.597	1011.6	-10.2
321	17	84.587	27.680	1019.1	-15.2	351	17	83.627	17.326	1013.2	-7.0
322	18	84.610	27.304	1006.2	-13.2	352	18	83.641	17.316	1014.2	-6.0
323	19	84.546	26.256	1001.7	-9.8	353	19	83.641	16.915	1005.8	-6.1
324	20	84.478	25.422	1008.2	-8.4	354	20	83.746	16.844	967.6	-6.1
325	21	84.441	24.789	1011.6	-7.9	355	21	83.726	17.595	961.2	-8.4
326	22	84.481	24.048	1005.9	-7.6	356	22	83.592	19.169	967.7	-11.9
327	23	84.533	23.369	1006.0	-7.6	357	23	83.419	21.317	979.7	-12.5
328	24	84.544	23.303	995.4	-9.2	358	24	83.235	21.293	1011.1	-12.8
329	25	84.515	23.192	997.3	-10.4	359	25	83.154	21.316	1022.1	-14.0
330	26	84.439	22.788	999.8	-10.5	360	26	83.184	22.027	1012.5	-13.2
331	27	84.401	22.155	1021.0	-9.7	361	27	83.172	22.301	1002.8	-10.9
332	28	84.304	22.031	1021.0	-9.7	362	28	83.087	22.289	1006.0	-11.8
333	29	84.217	22.063	1009.7	-8.5	363	29	82.975	22.442	1005.1	-15.0
334	30	84.195	22.126	1000.8	-8.6	364	30	82.885	22.360	1010.0	-17.0
						365	31	82.876	22.762	1011.0	-19.5

Buoy 16

BUOY(16) MAR. 79	LAT (N)	LDN (+E,-W)	P (MB)	T (C)	BUOY(16) APR. 79	LAT (N)	LDN (+E,-W)	P (MB)	T (C)		
60	1		1022.7	-39.6	91	1	86.990	-14.674	1032.1	-29.1	
61	2		1023.3	-31.6	92	2	86.995	-14.857	1025.8	-29.3	
62	3		1023.8	-32.2	93	3	86.992	-14.686	1016.5	-21.1	
63	4		1024.5	-33.4	94	4	86.985	-14.426	1026.0	-27.6	
64	5		1021.3	-34.3	95	5	86.942	-13.412	1033.6	-23.6	
65	6		1015.1	-38.7	96	6	86.931	-12.570	1031.4	-26.6	
66	7	86.339	-8.610	1013.3	-39.9	97	7	86.930	-12.074	1028.6	-28.0
67	8	86.333	-8.819	1019.0	-37.0	98	8	86.925	-12.010	1028.4	-27.6
68	9	86.341	-8.862	1031.6	-36.4	99	9	86.912	-12.004	1036.3	-28.5
69	10	86.337	-8.890	1039.6	-37.0	100	10	86.900	-12.012	1042.5	-29.1
70	11	86.336	-1.057	1042.6	-34.4	101	11	86.897	-11.567	1036.3	-25.6
71	12	86.348	-2.323	1043.8	-30.3	102	12	86.872	-11.129	1028.0	-22.4
72	13	86.363	-3.896	1049.1	-31.1	103	13	86.837	-11.854	1036.9	-27.2
73	14	86.456	-5.245	1038.6	-30.7	104	14	86.854	-12.676	1036.9	-28.8
74	15	86.593	-6.701	1037.3	-25.2	105	15	86.847	-12.762	1041.5	-27.3
75	16	86.709	-8.115	1029.5	-23.1	106	16	86.847	-12.751	1041.2	-26.4
76	17	86.813	-9.010	1018.0	-23.2	107	17	86.850	-12.837	1041.0	-26.8
77	18	86.924	-9.935	1004.4	-19.8	108	18	86.863	-13.609	1028.8	-27.5
78	19	86.935	-10.276	1021.2	-25.1	109	19	86.830	-14.307	1015.8	-25.3
79	20	86.909	-10.554	1024.5	-28.2	110	20	86.791	-14.477	1017.4	-24.0
80	21	86.864	-10.992	1021.3	-32.3	111	21	86.734	-13.965	1013.6	-24.1
81	22	86.842	-11.179	1012.8	-33.3	112	22	86.670	-13.316	1011.1	-22.5
82	23	86.819	-11.030	1016.0	-34.1	113	23	86.634	-12.671	1010.5	-22.2
83	24		1008.3	-27.6	114	24	86.619	-12.309	1015.9	-21.6	
84	25		1012.1	-16.1	115	25	86.600	-11.841	1020.8	-19.8	
85	26		1021.6	-17.7	116	26	86.580	-11.425	1019.9	-17.1	
86	27		1029.6	-25.0	117	27	86.577	-11.344	1017.1	-16.1	
87	28	86.988	-13.653	1036.3	-27.9	118	28	86.577	-11.412	1018.6	-16.7
88	29	86.993	-14.531	1016.9	-25.2	119	29	86.554	-11.304	1028.6	-15.9
89	30	86.991	-14.664	1011.5	-18.4	120	30	86.525	-11.106	1032.9	-16.4
90	31	86.992	-14.681	1026.6	-25.4						

BUOY(16) MAY 79	LAT (N)	LDN (+E,-W)	P (MB)	T (C)	BUOY(16) JUNE 79	LAT (N)	LDN (+E,-W)	P (MB)	T (C)		
121	1	86.460	-10.615	1032.4	-16.8	152	1	85.431	-14.577	1015.0	-2.1
122	2	86.397	-9.374	1020.0	-14.6	153	2	85.410	-14.545	1017.5	-2.6
123	3	86.335	-9.422	1032.7	-13.2	154	3	85.378	-14.586	1014.9	-4.8
124	4	86.281	-8.971	1029.5	-15.2	155	4	85.372	-14.555	1013.1	-2.6
125	5	86.187	-8.318	1024.9	-12.0	156	5	85.372	-14.565	1013.9	-1.3
126	6	86.072	-8.282	1023.3	-10.6	157	6	85.386	-14.696	1018.1	-3.0
127	7	85.964	-8.630	1027.1	-10.8	158	7	85.417	-14.938	1019.7	-2.5
128	8	85.879	-8.755	1023.8	-11.6	159	8	85.462	-15.485	1015.1	-2.0
129	9	85.757	-9.165	1016.4	-7.2	160	9	85.460	-16.013	1014.1	-4.0
130	10	85.746	-9.371	1030.2	-10.3	161	10	85.459	-16.049	1009.7	.6
131	11	85.726	-9.253	1027.5	-10.4	162	11	85.455	-16.420	1010.3	-1.3
132	12	85.694	-9.007	1023.1	-7.7	163	12	85.435	-16.240	1002.9	-1.2
133	13	85.680	-9.011	1022.2	-7.9	164	13	85.389	-15.497	996.3	-2.4
134	14	85.675	-9.221	1015.5	-8.8	165	14	85.346	-14.647	998.2	-1.2
135	15	85.672	-9.286	1025.4	-9.1	166	15	85.383	-14.424	996.2	1.0
136	16	85.645	-9.267	1024.6	-9.0	167	16	85.433	-14.786	1003.8	.5
137	17	85.629	-9.292	1025.6	-7.5	168	17	85.430	-15.162	1011.5	3.7
138	18	85.623	-9.307	1018.4	-4.2	169	18	85.420	-15.395	1016.4	6.0
139	19	85.628	-9.766	1014.4	-5.4	170	19	85.425	-15.663	1018.7	2.8
140	20	85.636	-10.235	1019.6	-5.9	171	20	85.420	-16.075	1019.0	2.7
141	21	85.640	-10.860	1022.5	-5.0	172	21	85.396	-16.246	1017.4	1.8
142	22	85.647	-11.185	1023.5	-6.1	173	22	85.359	-16.019	1019.6	1.8
143	23	85.640	-11.234	1018.8	-5.4	174	23	85.336	-15.840	1023.2	5.5
144	24	85.640	-11.354	1016.1	-6.0	175	24	85.361	-16.101	1016.4	3.5
145	25	85.614	-11.357	1019.1	-6.1	176	25	85.437	-16.656	1006.8	2.7
146	26	85.611	-11.446	1014.7	-5.0	177	26	85.481	-16.914	1003.3	3.4
147	27	85.600	-11.729	1015.6	-3.3	178	27	85.467	-17.231	996.4	3.6
148	28	85.576	-12.561	1008.1	-4.4	179	28	85.427	-17.061	1002.1	4.1
149	29	85.530	-13.330	1005.7	-2.6	180	29	85.375	-16.657	1010.1	4.2
150	30	85.470	-14.125	1007.8	-1.0	181	30	85.387	-16.077	1010.2	4.9
151	31	85.435	-14.478	1010.4	-1.9						

Buoy 16

BUDY(16)	LAT	LON	P	T	BUDY(16)	LAT	LON	P	T		
JULY 79	(N)	(+E,-W)	(MB)	(C)	AUG. 79	(N)	(+E,-W)	(MB)	(C)		
182	1	85.444	-15.311	1011.0	5.1	213	1	85.417	-10.992	1017.4	2.0
183	2	85.390	-15.048	1012.0	4.6	214	2	85.354	-11.014	1010.6	1.9
184	3	85.308	-16.103	1007.0	0.5	215	3	85.267	-11.158	1002.5	1.8
185	4	85.384	-16.068	1010.2	4.7	216	4	85.173	-11.350	998.6	1.7
186	5	85.453	-16.369	1006.2	3.0	217	5	85.109	-11.380	1001.7	1.7
187	6	85.532	-16.655	1006.3	2.8	218	6	85.087	-11.457	1006.6	1.7
188	7	85.564	-16.999	1002.0	2.7	219	7	85.061	-11.493	1006.0	.8
189	8	85.607	-15.841	1001.0	2.8	220	8	85.114	-11.551	1007.5	.4
190	9	85.595	-16.445	1011.6	3.4	221	9	85.079	-11.471	1018.9	-.3
191	10	85.631	-16.814	1013.6	3.6	222	10	85.115	-11.104	1016.4	-.1
192	11	85.693	-16.966	1006.1	3.3	223	11	85.162	-10.792	1016.5	1.4
193	12	85.790	-16.531	1009.6	2.6	224	12	85.210	-10.932	1007.8	1.1
194	13	85.869	-16.220	1006.9	2.5	225	13	85.277	-10.510	1008.8	1.4
195	14	85.922	-15.484	1016.0	3.1	226	14	85.286	-10.431	1016.7	1.2
196	15	85.934	-15.396	1018.3	4.4	227	15	85.327	-10.541	1017.6	1.2
197	16	85.974	-15.780	1011.2	2.7	228	16	85.389	-10.723	1017.6	1.9
198	17	86.039	-15.853	1003.6	2.3	229	17	85.475	-11.381	1014.4	1.9
199	18	86.144	-15.307	1000.7	1.8	230	18	85.518	-11.505	1016.8	1.8
200	19	86.160	-14.229	1003.4	1.9	231	19	85.595	-12.119	1017.7	1.6
201	20	86.083	-13.538	1019.0	2.5	232	20	85.702	-12.264	1015.3	.9
202	21	86.050	-13.145	1019.9	3.0	233	21	85.764	-12.052	1015.4	-.4
203	22	86.053	-12.675	1014.6	4.0	234	22	85.842	-11.890	1016.1	-.7
204	23	86.047	-12.191	1012.1	3.2	235	23	85.843	-11.776	1017.3	-1.9
205	24	85.984	-10.964	1005.7	2.1	236	24	85.895	-11.932	1014.5	-.9
206	25	85.805	-10.245	1010.1	2.3	237	25	85.946	-12.035	1020.3	.6
207	26	85.823	-9.736	1008.1	1.6	238	26	85.929	-12.666	1013.7	.1
208	27	85.754	-9.202	1001.5	1.8	239	27	85.929	-13.581	1022.0	-.5
209	28	85.696	-9.667	1012.4	2.2	240	28	85.954	-13.987	1030.3	.1
210	29	85.651	-10.163	1017.7	2.5	241	29	86.017	-14.248	1030.5	-.3
211	30	85.567	-10.655	1020.7	2.1	242	30	86.105	-14.557	1030.6	-.8
212	31	85.479	-10.958	1018.6	1.9	243	31	86.167	-14.693	1034.7	-1.6

BUDY(16)		LAT	LON	P	T
SEPT 79		(N)	(+E,-W)	(MB)	(C)
244	1	86.240	-14.147	1036.4	-2.7
245	2	86.252	-13.998	1034.3	-3.2
246	3	86.252	-14.026	1033.5	-1.7
247	4	86.261	-14.301	1035.0	

Buoy 18

BUOY(18)	LAT	LONG	P	T	BUOY(18)	LAT	LONG	P	T		
FEB. 79	(N)	(+E,-W)	(MB)	(C)	MAR. 79	(N)	(+E,-W)	(MB)	(C)		
49	18	80.951	-124.962	998.0	-42.2	60	1	80.925	-124.900	1007.3	-30.8
50	19	80.957	-124.967	1012.3	-43.4	61	2			1010.2	-42.1
51	20	80.955	-124.936	1024.6	-42.1	62	3	80.845	-125.234	1020.6	-37.7
52	21	80.953	-124.985	1027.4	-38.5	63	4	80.845	-125.284	1020.1	-37.6
53	22			1034.4	-37.9	64	5	80.847	-125.274	1026.4	-37.4
54	23	80.965	-125.022	1028.2	-35.3	65	6	80.850	-125.174	1021.6	-34.4
55	24			1036.1	-39.3	66	7	80.853	-125.175	1018.3	-36.4
56	25			1017.5	-36.9	67	8	80.855	-125.155	1026.4	-40.5
57	26			1019.3	-31.3	68	9	80.841	-125.232	1032.0	-30.2
58	27			1014.9	-29.1	69	10	80.763	-125.529	1032.1	-31.4
59	28			1004.3	-26.9	70	11			1027.6	-28.6
					71	12	80.577	-126.557	1029.4	-27.0	
					72	13	80.512	-127.140	1038.0	-25.9	
					73	14	80.397	-127.704	1025.0	-20.1	
					74	15	80.287	-128.093	1017.5	-27.3	
					75	16	80.234	-128.371	1010.4	-25.1	
					76	17	80.214	-128.580	997.1	-21.2	
					77	18	80.222	-128.774	1019.1	-23.3	
					78	19	80.206	-128.753	1022.6	-31.1	
					79	20	80.207	-128.640	1020.2	-34.5	
					80	21	80.188	-128.617	1024.5	-35.5	
					81	22	80.189	-128.597	1034.2	-31.9	
					82	23	80.184	-128.483	1027.2	-26.0	
					83	24	80.188	-128.483	1021.2	-20.6	
					84	25	80.134	-128.422	1013.8	-26.9	
					85	26	80.074	-128.446	1019.4	-19.6	
					86	27	80.065	-128.458	1017.9	-19.3	
					87	28	80.009	-128.630	1031.5	-26.2	
					88	29	80.047	-128.557	1024.8	-23.2	
					89	30	80.036	-128.546	1020.7	-25.4	
					90	31	80.034	-128.534	1026.6	-28.2	

BUOY(18)					BUOY(18)						
APR. 79		LAT	LONG	P	T	MAY 79		LAT	LONG	P	T
		(N)	(+E,-W)	(MB)	(C)			(N)	(+E,-W)	(MB)	(C)
91	1	80.038	-128.491	1032.6	-30.8	121	1	80.136	-128.965	1029.7	-7.9
92	2	80.051	-128.418	1030.7	-30.9	122	2	80.146	-128.742	1034.9	-7.2
93	3	80.037	-128.499	1028.1	-29.6	123	3	80.184	-128.811	1037.3	-9.3
94	4	80.039	-128.516	1026.8	-30.0	124	4	80.260	-128.706	1024.7	-7.0
95	5	80.052	-128.459	1024.2	-28.3	125	5	80.291	-128.679	1027.9	-5.1
96	6	80.073	-128.413	1023.9	-27.0	126	6	80.347	-128.577	1028.9	-4.8
97	7	80.075	-128.370	1022.0	-28.2	127	7	80.380	-128.478	1034.2	-5.0
98	8	80.073	-128.401	1022.7	-27.8	128	8	80.365	-128.510	1036.1	-5.6
99	9	80.080	-128.508	1020.0	-27.9	129	9	80.338	-128.789	1029.6	-5.9
100	10	80.078	-128.504	1024.6	-28.4	130	10	80.301	-129.109	1025.6	-5.0
101	11	80.066	-128.450	1033.3	-28.9	131	11	80.295	-129.304	1028.0	-6.1
102	12	80.074	-128.346	1040.7	-29.2	132	12	80.270	-129.624	1018.2	-5.3
103	13	80.059	-128.378	1039.6	-29.4	133	13	80.262	-129.663	1013.4	-3.6
104	14	80.049	-128.409	1042.5	-28.7	134	14	80.256	-129.642	1015.2	-0.3
105	15	80.051	-128.390	1041.1	-27.0	135	15	80.231	-129.812	1016.6	-7.6
106	16	80.045	-128.494	1032.6	-24.5	136	16	80.204	-130.018	1015.1	-7.2
107	17	80.037	-128.621	1019.5	-20.3	137	17	80.181	-130.133	1012.5	-3.3
108	18	80.015	-128.825	1015.2	-19.7	138	18	80.149	-130.096	1004.4	-9.0
109	19	79.974	-129.023	1020.5	-19.9	139	19	80.097	-130.092	1010.7	-5.7
110	20	79.964	-128.986	1031.1	-20.7	140	20	80.051	-130.049	1018.6	-6.9
111	21	79.967	-128.968	1035.7	-21.5	141	21	80.008	-129.929	1021.3	-7.3
112	22	79.973	-128.962	1028.2	-21.0	142	22	79.970	-129.980	1025.2	-6.2
113	23	79.997	-129.021	1014.2	-20.8	143	23	79.933	-129.964	1023.5	-6.1
114	24	80.021	-129.111	1010.3	-17.6	144	24	79.908	-129.939	1021.5	-7.4
115	25	80.038	-129.124	1012.3	-15.3	145	25	79.896	-129.897	1022.3	-8.0
116	26	80.055	-129.203	1010.2	-13.8	146	26	79.889	-129.725	1023.6	-8.6
117	27	80.063	-129.365	1009.7	-17.1	147	27	79.930	-129.637	1025.9	-7.3
118	28	80.053	-129.344	1018.6	-16.7	148	28	79.989	-129.662	1018.5	-6.3
119	29	80.067	-129.220	1033.4	-12.7	149	29	80.007	-129.817	1015.4	-3.2
120	30	80.067	-129.118	1033.8	-11.1	150	30	79.984	-130.081	1017.2	-4.7
						151	31	79.955	-130.213	1018.2	-2.2

Buoy 18

BUOY(18) JUNE 79	LAT (N)	LOG (+E,-W)	P (MB)	T (C)	BUOY(18) JULY 79	LAT (N)	LOG (+E,-W)	P (MB)	T (C)		
152	1	79.939	-130.144	1017.9	-2.8	182	1	79.548	-129.489	996.8	3.2
153	2	80.007	-129.935	1006.3	-0.8	183	2	79.534	-129.346	1006.1	3.8
154	3	80.002	-129.523	1000.7	-0.7	184	3	79.519	-129.203	1010.4	3.9
155	4	79.955	-129.121	1003.4	-2.7	185	4	79.505	-129.060	1009.5	4.5
156	5	79.908	-129.317	1013.7	-2.8	186	5	79.495	-129.072	1017.2	4.9
157	6	79.855	-129.461	1018.4	-1.8	187	6	79.524	-129.242	1005.1	4.0
158	7	79.842	-129.463	1019.5	.3	188	7	79.563	-129.850	996.6	2.6
159	8	79.859	-129.483	1016.6	-0.5	189	8	79.575	-130.060	995.4	3.4
160	9	79.854	-129.449	1015.2	.2	190	9	79.589	-129.943	999.5	4.1
161	10	79.834	-129.325	1014.8	1.0	191	10	79.586	-129.780	1005.5	4.3
162	11	79.825	-129.506	1010.0	1.2	192	11	79.574	-129.624	1008.9	4.6
163	12	79.829	-129.951	1007.6	-2.0	193	12	79.563	-129.732	1002.5	3.8
164	13	79.766	-130.221	1012.1	-1.4	194	13	79.478	-130.089	1010.6	2.7
165	14	79.721	-129.931	998.4	-0.7	195	14	79.470	-129.980	1010.6	3.3
166	15	79.654	-129.803	996.2	1.4	196	15	79.496	-129.865	1008.1	3.4
167	16	79.603	-129.849	1004.9	2.6	197	16	79.479	-129.607	1008.1	2.9
168	17	79.566	-129.931	1013.7	1.9	198	17	79.452	-129.525	1012.3	3.3
169	18	79.548	-129.945	1020.1	2.5	199	18	79.455	-129.539	1011.5	3.6
170	19	79.543	-129.976	1022.6	3.8	200	19	79.447	-129.517	1019.2	4.9
171	20	79.550	-129.910	1020.2	2.6	201	20	79.452	-129.501	1019.4	5.8
172	21	79.559	-129.859	1015.1	1.9	202	21	79.473	-129.388	1012.5	3.3
173	22	79.544	-129.925	1017.3	1.9	203	22	79.488	-129.153	1008.7	2.5
174	23	79.532	-129.988	1016.9	1.5	204	23	79.501	-129.013	1009.9	3.3
175	24	79.518	-130.202	1016.1	1.1	205	24	79.505	-129.004	1011.9	4.7
176	25	79.464	-130.518	1006.7	2.3	206	25	79.468	-129.063	1017.3	3.7
177	26	79.411	-130.661	1009.6	3.5	207	26	79.462	-129.103	1020.8	4.3
178	27	79.381	-130.635	1008.4	4.1	208	27	79.436	-129.032	1023.6	5.3
179	28	79.362	-130.555	1004.3	4.0	209	28	79.400	-128.963	1021.6	4.0
180	29	79.416	-130.181	996.6	3.7	210	29	79.355	-128.967	1019.2	4.3
181	30	79.461	-129.929	995.1	3.2	211	30	79.349	-128.968	1019.2	5.9
						212	31	79.336	-128.927	1020.6	5.2

BUOY(18) AUG. 79	LAT (N)	LOn (+E,-W)	P (MB)	T (C)	BUOY(18) SEPT 79	LAT (N)	LOn (+E,-W)	P (MB)	T (C)		
213	1	79.329	-128.875	1023.3	5.0	244	1	78.367	-129.498	1023.8	-6.4
214	2	79.333	-128.787	1019.8	4.9	245	2	78.364	-129.608	1020.6	-4.0
215	3	79.336	-128.773	1011.7	4.2	246	3	78.350	-129.631	1018.1	-0.9
216	4	79.344	-128.881	1005.0	2.6	247	4	78.327	-129.603	1022.0	.5
217	5	79.307	-129.184	1013.2	2.1	248	5	78.327	-129.980	1020.7	-0.0
218	6	79.253	-129.367	1021.0	2.9	249	6	78.335	-130.184	1013.2	.7
219	7	79.199	-129.404	1020.9	3.6	250	7	78.277	-130.438	1020.7	-3.7
220	8	79.137	-129.205	1016.6	3.6	251	8	78.266	-130.164	1009.8	-0.9
221	9	79.131	-129.186	1016.1	2.8	252	9	78.204	-130.040	1009.5	-3.1
222	10	79.082	-128.983	1011.6	2.3	253	10	78.118	-129.665	1011.3	-3.1
223	11	79.065	-128.797	1013.1	1.2	254	11	78.017	-129.559	1018.0	-4.8
224	12	78.997	-128.666	1016.4	.7	255	12	77.944	-129.597	1024.9	-6.3
225	13	78.952	-128.573	1016.6	-0.1	256	13	77.868	-129.728	1027.1	-6.4
226	14	78.888	-128.470	1017.0	-0.4	257	14	77.797	-129.706	1022.1	-7.6
227	15	78.875	-128.478	1015.3	-0.5	258	15	77.735	-129.587	1020.6	-7.6
228	16	78.855	-128.588	1014.4	-0.3	259	16	77.700	-129.509	1017.6	-6.2
229	17	78.822	-128.700	1017.1	-0.2	260	17	77.706	-129.711	1011.5	-9.2
230	18	78.749	-128.575	1010.7	.6	261	18	77.738	-129.879	1006.0	-8.4
231	19	78.724	-128.626	1014.7	2.2	262	19	77.730	-129.805	1017.0	-11.8
232	20	78.676	-128.755	1018.7	2.0	263	20	77.692	-129.840	1020.7	-13.3
233	21	78.665	-128.743	1016.1	1.2	264	21	77.669	-129.888	1019.0	-13.8
234	22	78.655	-128.779	1008.2	1.0	265	22	77.644	-129.931	1018.3	-12.2
235	23	78.611	-128.942	1011.8	.3	266	23	77.637	-129.960	1020.4	-6.8
236	24	78.533	-128.993	1016.2	-0.8	267	24	77.650	-129.945	1018.6	-7.4
237	25	78.465	-129.013	1017.8	-1.5	268	25	77.690	-129.976	1010.4	-6.7
238	26	78.445	-129.078	1015.3	-2.1	269	26	77.674	-130.035	1012.2	-3.8
239	27	78.433	-129.266	1013.4	-2.7	270	27	77.634	-130.178	1020.3	-7.9
240	28	78.368	-129.319	1011.9	-3.3	271	28	77.597	-130.205	1019.3	-11.1
241	29	78.369	-129.384	1012.4	-1.5	272	29	77.546	-130.294	1021.6	-10.9
242	30	78.375	-129.463	1015.5	-1.6	273	30	77.491	-130.378	1022.9	-9.0
243	31	78.368	-129.474	1019.9	-5.3						

Buoy 18

BUOY(16)		LAT	LOU	P	T	BUOY(18)		LAT	LOU	P	T
UCT. 79		(N)	(+E,-W)	(MB)	(C)	NOV. 79		(N)	(+E,-W)	(MB)	(C)
274	1	77.423	-130.562	1021.3	-7.7	305	1	76.257	-134.694	1010.9	-15.0
275	2	77.369	-130.771	1023.7	-10.6	306	2	76.254	-134.958	1016.0	-16.2
276	3	77.305	-130.972	1024.4	-9.1	307	3	76.249	-135.190	1015.9	-18.9
277	4	77.237	-131.290	1022.3	-10.8	308	4	76.290	-135.421	1016.0	-16.4
278	5	77.164	-131.534	1018.9	-13.7	309	5	76.301	-135.463	1022.0	-13.7
279	6	77.103	-131.838	1012.6	-12.6	310	6	76.273	-135.537	1036.3	-19.2
280	7	77.068	-132.017	1017.0	-13.0	311	7	76.277	-135.676	1027.2	-22.7
281	8	77.009	-132.107	1014.9	-13.9	312	8	76.241	-135.838	1031.8	-23.9
282	9	76.948	-132.023	1015.1	-10.8	313	9	76.197	-135.991	1026.8	-22.5
283	10	76.936	-132.119	1015.6	-16.9	314	10	76.177	-136.158	1026.5	-20.7
284	11	76.988	-132.383	1011.6	-11.4	315	11	76.157	-136.220	1024.3	-25.3
285	12	76.999	-132.191	1013.0	-7.9	316	12	76.174	-136.238	1019.5	-24.4
286	13	76.966	-132.341	1016.1	-10.2	317	13	76.175	-136.333	1019.4	-24.2
287	14	76.925	-132.785	1011.9	-12.4	318	14	76.187	-136.322	1011.7	-25.8
288	15	76.889	-133.047	1008.7	-11.5	319	15	76.184	-136.396	1002.5	-22.4
289	16	76.819	-133.372	1009.0	-12.1	320	16	76.184	-136.461	997.5	-21.5
290	17	76.713	-133.647	1014.8	-14.9	321	17	76.193	-136.669	992.1	-24.7
291	18	76.646	-133.752	1023.6	-17.7	322	18	76.162	-136.901	998.6	-23.8
292	19	76.617	-133.763	1022.8	-19.0	323	19	76.117	-137.377	985.9	-19.2
293	20	76.598	-133.766	1020.3	-22.1	324	20	76.128	-137.438	983.3	-18.4
294	21	76.568	-133.875	1021.9	-22.9	325	21	76.098	-137.373	995.4	-17.7
295	22	76.532	-133.981	1022.9	-23.1	326	22	76.074	-137.200	1006.6	-23.2
296	23	76.476	-133.945	1019.9	-22.3	327	23	75.996	-137.320	1008.6	-24.6
297	24	76.449	-133.940	1024.6	-22.6	328	24	75.935	-137.279	1020.9	-25.7
298	25	76.423	-133.858	1016.2	-20.6	329	25	75.970	-137.410	1007.7	-21.1
299	26	76.398	-133.863	1015.2	-21.0	330	26	76.045	-137.514	1006.6	-15.4
300	27	76.354	-133.889	1018.4	-25.5	331	27	76.091	-137.538	1014.6	-15.7
301	28	76.306	-133.886	1023.2	-27.4	332	28	76.067	-137.387	1026.5	-16.6
302	29	76.277	-133.884	1018.9	-25.3	333	29	76.068	-137.382	1012.2	-18.9
303	30	76.235	-133.954	1019.1	-24.5	334	30	76.020	-137.659	1006.3	-17.8
304	31	76.219	-134.201	1015.3	-22.1						

BUOY(18)		LAT	LOU	P	T
DEC. 79		(N)	(+E,-W)	(MB)	(C)
335	1	75.975	-137.990	1007.2	-18.8
336	2	75.927	-138.292	1012.5	-22.2
337	3	75.918	-138.485	1017.5	-26.9
338	4	75.943	-138.525	1006.5	-26.8
339	5	75.945	-138.639	996.9	-26.5
340	6				
341	7				
342	8				
343	9				
344	10	75.694	-138.413	1014.3	
345	11	75.637	-138.342	1018.1	-27.2
346	12	75.559	-138.310	1027.6	-27.8
347	13	75.540	-138.038	1015.8	-24.3
348	14	75.525	-137.913	1012.6	-22.8
349	15	75.515	-137.931	1007.6	-25.4
350	16	75.434	-137.957	1021.0	-27.5
351	17	75.373	-137.900	1012.0	-27.4
352	18	75.376	-137.829	1001.8	-25.1
353	19	75.405	-137.848	1005.9	-23.9
354	20	75.423	-137.966	1009.2	-25.3
355	21	75.397	-137.974		
356	22				
357	23				
358	24				
359	25				
360	26				
361	27				
362	28	75.286	-138.277	1015.9	-28.0
363	29			1025.4	-28.3
364	30			1032.3	-27.2
365	31	75.394	-138.801	1039.1	

Buoy 19

BUOY (19)					BUOY (19)						
APR. 79		LAT	LDN	P	T	MAY 79		LAT	LDN	P	T
		(N)	(+E, -W)	(MB)	(C)			(N)	(+E, -W)	(MB)	(C)
91	1	82.163	-99.125	1031.5	-30.3	121	1	82.105	-100.123	1037.6	-14.7
92	2	82.163	-99.083	1022.7	-29.5	122	2	82.127	-99.799	1031.8	-12.0
93	3	82.159	-99.121	1023.1	-29.1	123	3	82.123	-99.802	1044.0	-14.1
94	4	82.162	-99.076	1032.1	-28.2	124	4	82.134	-99.796	1032.7	-14.7
95	5	82.218	-98.819	1032.5	-27.7	125	5	82.136	-99.778	1029.5	-12.1
96	6	82.236	-98.694	1029.3	-28.1	126	6	82.137	-99.773	1034.3	-10.6
97	7	82.240	-98.660	1028.1	-28.3	127	7	82.140	-99.755	1037.1	-9.7
98	8	82.242	-98.671	1029.0	-28.0	128	8	82.133	-99.764	1034.2	-7.8
99	9	82.249	-98.750	1034.1	-25.5	129	9	82.105	-99.972	1029.1	-8.4
100	10	82.317	-98.776	1032.6	-18.4	130	10	82.104	-100.137	1029.6	-7.4
101	11	82.336	-98.690	1038.4	-16.1	131	11	82.097	-100.206	1031.6	-6.2
102	12	82.362	-98.685	1033.6	-16.2	132	12	82.101	-100.347	1025.8	-5.1
103	13	82.201	-99.043	1026.3	-19.9	133	13	82.121	-100.582	1017.6	-3.3
104	14	82.197	-99.049	1036.4	-20.9	134	14	82.118	-100.594	1017.5	-3.6
105	15	82.197	-99.018	1042.0	-23.3	135	15	82.114	-100.550	1020.4	-5.5
106	16	82.199	-99.023	1036.3	-23.7	136	16	82.120	-100.798	1019.9	-5.4
107	17	82.200	-99.188	1023.1	-23.1	137	17	82.114	-100.998	1018.6	-4.7
108	18	82.185	-99.949	1013.1	-21.7	138	18	82.140	-101.332	1006.1	-4.1
109	19	82.123	-100.456	1016.0	-21.5	139	19	82.127	-101.370	1011.9	-7.2
110	20	82.098	-100.351	1024.9	-21.9	140	20	82.079	-101.643	1011.9	-8.4
111	21	82.089	-100.291	1026.3	-23.1	141	21	82.047	-101.666	1018.2	-7.1
112	22	82.088	-100.250	1021.2	-23.2	142	22	82.014	-101.713	1023.2	-5.2
113	23	82.091	-100.240	1015.1	-22.8	143	23	81.990	-101.691	1019.3	-5.5
114	24	82.091	-100.244	1017.1	-22.0	144	24	81.981	-101.637	1019.6	-6.1
115	25	82.089	-100.243	1018.4	-20.8	145	25	81.978	-101.593	1017.2	-8.2
116	26	82.091	-100.235	1016.7	-21.0	146	26	81.974	-101.554	1021.6	-8.0
117	27	82.089	-100.260	1014.7	-19.8	147	27	81.974	-101.561	1029.6	-7.8
118	28	82.089	-100.248	1021.4	-18.7	148	28	81.975	-101.548	1025.0	-6.8
119	29	82.089	-100.251	1037.6	-17.6	149	29	81.972	-101.579	1019.8	-6.7
120	30	82.089	-100.251	1040.2	-17.4	150	30	81.946	-101.738	1017.5	-6.9
						151	31	81.915	-101.955	1017.0	-6.1

BUOY (19)		LAT	LDN	P	T	BUOY (19)		LAT	LDN	P	T
JUNE 79		(N)	(+E, -W)	(MB)	(C)	JULY 79		(N)	(+E, -W)	(MB)	(C)
152	1	81.883	-102.040	1017.7	-4.4	182	1	81.847	-104.532	1002.1	1.7
153	2	81.895	-101.907	1016.4	-4.6	183	2	81.840	-103.811	1005.5	2.0
154	3	81.982	-101.545	1007.2	-5.6	184	3	81.832	-103.090	1007.6	2.0
155	4	82.087	-101.413	1007.9	-4.5	185	4	81.828	-102.707	1002.3	2.0
156	5	82.094	-101.865	1011.0	-3.5	186	5	81.803	-102.769	1011.8	1.1
157	6	82.055	-102.351	1015.1	-4.4	187	6	81.794	-102.812	1010.2	1.6
158	7	82.023	-102.535	1017.8	-4.6	188	7	81.773	-102.974	1003.1	2.0
159	8	81.983	-102.600	1017.5	-4.7	189	8	81.760	-103.131	1000.2	2.2
160	9	81.976	-102.553	1015.5	-3.4	190	9	81.776	-103.155	1004.9	2.2
161	10	81.972	-102.508	1009.5	-1.8	191	10	81.804	-103.089	1006.1	2.8
162	11	81.950	-102.606	1010.2	-3.4	192	11	81.813	-103.060	1009.1	2.7
163	12	81.910	-102.906	1007.2	-2.7	193	12	81.808	-103.063	1009.1	2.9
164	13	81.844	-103.052	1006.3	-3.0	194	13	81.804	-103.380	1004.4	2.9
165	14	81.832	-102.790	992.9	-2.1	195	14	81.763	-103.465	1012.9	4.0
166	15	81.831	-102.753	989.6	-2.2	196	15	81.766	-103.360	1014.2	5.5
167	16	81.833	-102.807	988.6	.6	197	16	81.787	-103.363	1004.3	4.2
168	17	81.808	-103.064	1010.3	-3.3	198	17	81.779	-103.375	1006.6	4.3
169	18	81.771	-103.207	1016.0	-2.2	199	18	81.772	-103.318	1007.9	3.3
170	19	81.763	-103.181	1017.6	-1.1	200	19	81.760	-103.243	1014.1	3.6
171	20	81.764	-103.168	1018.3	.2	201	20	81.753	-103.214	1019.3	3.9
172	21	81.764	-103.177	1017.2	.7	202	21	81.762	-103.147	1013.3	3.9
173	22	81.764	-103.185	1019.3	1.8	203	22	81.783	-102.897	1007.1	2.3
174	23	81.763	-103.223	1018.7	.8	204	23	81.784	-102.674	1012.4	1.8
175	24	81.725	-103.697	1010.6	.1	205	24	81.797	-102.513	1013.3	2.0
176	25	81.668	-104.200	1004.8	.6	206	25	81.790	-102.540	1014.6	2.4
177	26	81.625	-104.455	1006.4	1.8	207	26	81.786	-102.548	1015.5	2.6
178	27	81.604	-104.461	1006.8	2.9	208	27	81.778	-102.519	1014.7	1.8
179	28	81.606	-104.366	1005.5	3.1	209	28	81.776	-102.526	1015.6	1.4
180	29	81.641	-104.672	1003.8	1.9	210	29	81.770	-102.559	1016.9	1.4
181	30	81.772	-104.089	997.9	1.4	211	30	81.768	-102.597	1019.9	1.8
						212	31	81.768	-102.584	1019.7	2.7

BUOY (19) AUG. 79	LAT (N)	LONG (+E, -W)	P (MB)	T (C)	BUOY (19) SEPT 79	LAT (N)	LONG (+E, -W)	P (MB)	T (C)		
213	1	81.770	-102.578	1021.0	3.2	244	1	81.607	-104.131	1025.6	-3.3
214	2	81.771	-102.547	1018.6	2.9	245	2	81.596	-104.265	1025.4	-2.6
215	3	81.773	-102.538	1011.3	3.4	246	3	81.605	-104.643	1020.9	-2.1
216	4	81.771	-102.553	1008.3	2.9	247	4	81.611	-104.697	1020.6	-0.1
217	5	81.769	-102.567	1008.7	1.5	248	5	81.586	-105.035	1025.7	-1.6
218	6	81.731	-102.831	1015.2	1.2	249	6	81.581	-105.295	1021.3	-9.4
219	7	81.713	-102.847	1012.4	1.6	250	7	81.538	-105.771	1020.2	-7.9
220	8	81.711	-102.813	1006.9	1.6	251	8	81.513	-105.878	1033.4	-7.8
221	9	81.712	-102.830	1013.4	1.6	252	9	81.479	-105.731	1005.7	-5.2
222	10	81.721	-102.714	1006.2	1.0	253	10	81.493	-105.580	1000.8	-5.5
223	11	81.730	-102.583	1007.4	.4	254	11	81.488	-105.653	1010.9	-11.2
224	12	81.738	-102.528	1007.5	-0.9	255	12	81.468	-105.807	1016.3	-9.9
225	13	81.731	-102.534	1008.5	-2.0	256	13	81.433	-106.038	1019.4	-9.7
226	14	81.732	-102.516	1008.2	-3.0	257	14	81.403	-106.123	1018.1	-8.2
227	15	81.724	-102.587	1011.5	-4.3	258	15	81.403	-106.122	1017.2	-13.3
228	16	81.714	-102.650	1011.3	-4.0	259	16	81.401	-106.121	1016.3	-12.1
229	17	81.710	-102.686	1007.2	-2.4	260	17	81.367	-106.241	1014.6	-9.5
230	18	81.712	-102.677	1009.9	1.1	261	18	81.354	-106.319	1013.2	-12.7
231	19	81.693	-102.890	1007.5	1.2	262	19	81.346	-106.355	1016.5	-14.2
232	20	81.640	-103.268	1008.4	1.4	263	20	81.310	-106.571	1017.4	-7.2
233	21	81.637	-103.240	1007.4	1.1	264	21	81.277	-106.697	1014.7	-8.1
234	22	81.636	-103.254	1005.8	-0.2	265	22	81.236	-106.748	1012.4	-7.5
235	23	81.635	-103.238	1002.2	-2.0	266	23	81.225	-106.709	1017.4	-8.2
236	24	81.635	-103.250	1007.0	-3.0	267	24	81.225	-106.693	1015.9	-7.6
237	25	81.636	-103.247	1014.4	-2.9	268	25	81.226	-106.687	1014.1	-7.0
238	26	81.636	-103.230	1013.9	-4.8	269	26	81.227	-106.684	1013.2	-8.7
239	27	81.637	-103.326	1010.6	-5.3	270	27	81.226	-106.691	1014.6	-10.1
240	28	81.636	-103.751	1013.1	-3.1	271	28	81.227	-106.706	1013.6	-12.1
241	29	81.630	-103.940	1016.0	-3.6	272	29	81.223	-106.760	1017.4	-16.0
242	30	81.611	-104.187	1015.3	-4.8	273	30	81.179	-107.053	1015.9	-10.4
243	31	81.609	-104.166	1020.9	-5.5						

BUOY(19) OCT. 79	LAT (N)	LONG (+E,-W)	P (MB)	T (C)	BUOY(19) NOV. 79	LAT (N)	LONG (+E,-W)	P (MB)	T (C)		
274	1	81.118	-107.422	1018.6	-12.7	305	1	80.213	-113.212	1029.6	-27.2
275	2	81.059	-107.682	1019.7	-11.1	306	2	80.190	-113.470	1023.4	-27.4
276	3	80.996	-108.026	1017.5	-13.7	307	3	80.145	-113.766	1020.8	-26.1
277	4	80.903	-108.477	1015.2	-11.8	308	4	80.099	-113.792	1021.6	-25.6
278	5	80.837	-108.894	1013.4	-13.4	309	5	80.080	-113.759	1025.2	-26.8
279	6	80.780	-109.575	1017.0	-11.0	310	6	80.018	-113.849	1029.3	-25.9
280	7	80.717	-110.143	1011.5	-13.3	311	7	79.953	-113.966	1026.8	-24.0
281	8	80.642	-110.713	1005.5	-15.1	312	8	79.872	-114.197	1025.3	-21.3
282	9	80.636	-110.748	1015.2	-13.7	313	9	79.814	-114.450	1022.6	-19.3
283	10	80.632	-110.701	1021.6	-14.9	314	10	79.768	-114.675	1026.0	-23.3
284	11	80.613	-110.736	1026.9	-16.9	315	11	79.731	-114.760	1024.3	-26.1
285	12	80.651	-110.783	1011.6	-12.7	316	12	79.725	-114.650	1022.6	-27.8
286	13	80.637	-110.747	1019.4	-12.2	317	13	79.718	-114.564	1019.9	-27.9
287	14	80.605	-111.188	1021.7	-16.8	318	14	79.705	-114.561	1016.2	-26.1
288	15	80.584	-111.714	1014.8	-15.7	319	15	79.710	-114.501	1010.7	-25.5
289	16	80.554	-112.239	1010.4	-15.7	320	16	79.736	-114.534	1007.0	
290	17	80.498	-112.920	1012.0	-16.7	321	17				
291	18	80.428	-113.130	1017.2	-18.8	322	18				
292	19	80.373	-113.258	1017.6	-20.2	323	19	79.720	-115.339	999.8	-21.2
293	20	80.328	-113.326	1020.6	-19.0	324	20	79.772	-115.696	994.5	-15.2
294	21	80.272	-113.334	1023.1	-19.7	325	21	79.784	-115.689	991.1	-18.4
295	22	80.233	-113.135	1011.9	-22.1	326	22	79.773	-115.469	1005.8	-21.3
296	23	80.226	-113.101	1011.2	-24.6	327	23	79.773	-115.453	999.7	-21.7
297	24	80.214	-113.106	1019.0	-28.3	328	24	79.732	-115.464	1016.4	
298	25			1018.1	-29.8	329	25				
299	26			1016.2	-29.5	330	26				
300	27			1014.2	-29.2	331	27				
301	28	80.218	-113.098	1017.4	-26.5	332	28	79.731	-115.610	1016.1	
302	29	80.227	-113.060	1024.5	-22.0						
303	30	80.224	-113.063	1024.4	-24.9						
304	31	80.225	-113.079	1029.7	-25.9						

Buoy 20

BUOY(20)	LAT	LON	P	T
FEB. 79	(N)	(+E,-W)	(MB)	(C)
51	20		1017.4	-38.4
52	21		1027.5	-41.4
53	22		1021.9	-33.0
54	23		1018.9	-29.6
55	24	81.716	151.347	997.6
56	25	81.822	151.889	1016.1
57	26	81.865	152.136	1015.8
58	27	81.906	152.451	1017.5
59	28	81.888	152.795	1024.5

BUOY(20)	LAT	LON	P	T
MAR. 79	(N)	(+E,-W)	(MB)	(C)
60	1	81.909	153.392	1032.0
61	2	81.927	153.276	1034.2
62	3	81.945	152.734	1034.1
63	4	81.981	152.442	1025.1
64	5	82.009	152.364	1020.3
65	6	82.013	152.441	1024.5
66	7	82.010	152.425	1028.2
67	8	82.009	152.414	1040.6
68	9	82.015	152.369	1052.7
69	10	82.065	152.130	1056.2
70	11	82.110	152.088	1060.3
71	12	82.136	152.161	1063.3
72	13	82.138	151.959	1061.3
73	14	82.156	151.643	1056.5
74	15	82.167	151.474	1054.0
75	16	82.203	151.399	1052.1
76	17	82.186	151.559	1041.5
77	18	82.135	151.935	1037.3
78	19	82.122	152.231	1043.9
79	20	82.136	152.222	1042.2
80	21	82.206	152.099	1032.6
81	22	82.283	152.205	1028.1
82	23	82.313	152.210	1028.7
83	24	82.322	152.046	1032.7
84	25	82.321	151.912	1037.8
85	26	82.312	151.646	1040.0
86	27	82.317	151.520	1042.5
87	28	82.301	151.466	1045.7
88	29	82.299	151.434	1045.6
89	30	82.291	151.540	1042.5
90	31	82.265	152.015	1038.9

BUOY(20)	LAT	LON	P	T
APR. 79	(N)	(+E,-W)	(MB)	(C)
91	1	82.239	152.296	1040.8
92	2	82.240	152.330	1038.1
93	3	82.236	152.334	1035.1
94	4	82.234	152.319	1036.1
95	5	82.233	152.342	1032.0
96	6	82.236	152.351	1029.3
97	7	82.233	152.325	1023.2
98	8	82.232	152.300	1023.3
99	9	82.236	152.190	1030.7
100	10	82.229	152.097	1034.6
101	11	82.229	152.138	1030.1
102	12	82.245	152.162	1033.5
103	13	82.269	152.048	1035.7
104	14	82.278	151.944	1039.0
105	15	82.284	151.942	1043.8
106	16	82.283	151.887	1042.3
107	17	82.280	151.821	1044.2
108	18	82.273	151.782	1043.4
109	19	82.310	152.040	1032.5
110	20	82.401	152.389	1027.4
111	21	82.459	152.596	1023.1
112	22	82.545	152.814	1010.9
113	23	82.570	152.619	1002.7
114	24	82.586	152.326	1004.2
115	25	82.594	152.111	1007.4
116	26	82.607	151.918	1009.9
117	27	82.618	151.735	1012.5
118	28	82.624	151.627	1013.7
119	29	82.639	151.520	1020.9
120	30	82.659	151.188	1009.7

BUOY(20)	LAT	LON	P	T
MAY 79	(N)	(+E,-W)	(MB)	(C)
121	1		990.9	-11.5
122	2	82.760	150.887	1022.9
123	3	82.894	150.493	1026.3
124	4	82.862	150.347	1015.2
125	5	82.991	150.217	1016.7
126	6	83.030	150.085	1022.8
127	7	83.082	149.887	1025.0
128	8	83.203	149.757	1029.0
129	9	83.274	149.614	1028.9
130	10	83.297	149.380	1025.6
131	11	83.343	149.223	1024.4
132	12	83.372	148.976	1023.6
133	13	83.382	148.732	1023.6
134	14	83.387	148.409	1018.7
135	15	83.409	148.037	1017.4
136	16	83.457	147.680	1018.6
137	17	83.492	147.554	1021.5
138	18	83.507	147.478	1020.4
139	19	83.533	147.272	1019.3
140	20	83.581	147.060	1022.0
141	21	83.645	146.801	1022.0
142	22	83.724	146.718	1024.0
143	23	83.801	146.533	1021.0
144	24	83.869	146.038	1018.4
145	25	83.904	145.556	1018.7
146	26	83.906	145.095	1021.1
147	27	83.886	144.687	1027.6
148	28	83.845	144.615	1030.2
149	29	83.825	144.879	1028.3
150	30	83.838	144.970	1021.3
151	31	83.850	144.629	1016.0

Buoy 20

BUOY (20)					BUOY (20)						
JUNE 79		LAT	LON	P	T	JULY 79		LAT	LON	P	T
		(N)	(+E,-W)	(MB)	(C)			(N)	(+E,-W)	(MB)	(C)
152	1	83.852	144.220	1012.7	-5.8	162	1	83.871	151.244	1008.5	3.1
153	2	83.835	143.994	1010.6	-5.3	163	2	83.822	151.433	1012.7	2.8
154	3	83.782	144.097	1014.5	-5.2	164	3	83.773	151.622	1017.5	2.4
155	4	83.751	144.261	1019.3	-4.6	165	4	83.724	151.811	1011.5	2.5
156	5	83.744	144.473	1022.0	-2.3	166	5	83.749	151.862	1014.6	3.6
157	6	83.742	144.540	1023.8	-2.0	167	6	83.752	151.659	1015.3	3.5
158	7	83.750	144.379	1022.3	-2.7	168	7	83.759	151.546	1014.9	4.3
159	8	83.765	144.150	1017.9	-1.8	169	8	83.710	151.922	1007.2	2.3
160	9	83.769	144.326	1016.3	-1.1	190	9	83.644	151.980	1002.2	2.5
161	10	83.805	144.607	1014.1	-1.6	191	10	83.677	151.741	1007.6	3.1
162	11	83.856	145.119	1012.8	-0.9	192	11	83.681	151.473	1013.5	3.0
163	12	83.915	146.057	1010.1	-0.9	193	12	83.660	151.625	1003.5	3.0
164	13	83.998	147.183	1001.8	-0.9	194	13	83.690	151.193	1015.2	2.8
165	14	84.004	147.686	1002.1	2.1	195	14	83.689	151.046	1003.1	3.6
166	15	83.970	147.714	1006.2	2.9	196	15	83.653	150.358	1001.1	2.2
167	16	83.978	147.833	1012.4	3.0	197	16	83.673	149.773	1009.4	2.3
168	17	84.012	147.627	1017.9	3.7	198	17	83.668	149.299	1011.6	3.2
169	18	84.061	147.509	1018.8	3.2	199	18	83.656	149.116	1005.6	2.8
170	19	84.094	147.656	1017.9	2.8	200	19	83.679	149.338	1008.3	2.9
171	20	84.107	147.853	1018.8	3.5	201	20	83.734	149.925	999.2	1.9
172	21	84.153	148.395	1013.7	3.2	202	21	83.724	149.893	994.5	2.0
173	22	84.156	148.921	1018.0	3.3	203	22	83.667	149.352	1001.6	1.6
174	23	84.155	149.232	1023.9	5.4	204	23	83.565	149.651	1002.0	1.7
175	24	84.141	149.352	1027.6	4.4	205	24	83.516	150.212	1007.4	1.7
176	25	84.233	149.577	1021.8	5.2	206	25	83.545	151.062	1007.1	1.6
177	26	84.255	150.062	1015.7	3.3	207	26	83.585	151.578	1011.3	3.1
178	27	84.270	150.528	1005.9	3.4	208	27	83.629	151.991	1014.3	4.0
179	28	84.292	151.132	991.1	2.6	209	28	83.709	152.265	1017.0	2.4
180	29	84.155	151.321	1001.1	2.7	210	29	83.757	152.097	1012.9	2.0
181	30	83.982	151.490	999.2	2.5	211	30	83.823	152.021	1015.1	2.3
						212	31	83.853	152.150	1015.9	5.0

BUOY(20)		LAT	LON	P	T	BUOY(20)		LAT	LON	P	T
AUG. 79		(N)	(+E,-W)	(MB)	(C)	SEPT 79		(N)	(+E,-W)	(MB)	(C)
213	1	83.908	152.368	1012.6	2.8	244	1	83.769	150.711	1022.8	-3.2
214	2	84.016	152.380	1005.9	1.6	245	2	83.792	150.182	1026.9	-2.3
215	3	84.023	152.364	1008.7	1.7	246	3	83.799	149.668	1029.4	-3.5
216	4	84.033	152.781	1012.9	2.4	247	4	83.789	149.196	1029.4	-4.2
217	5	84.049	153.556	1018.2	2.7	248	5	83.810	148.684	1030.2	-2.5
218	6	84.116	154.028	1015.0	2.4	249	6	83.839	148.460	1027.0	-3.8
219	7	84.183	154.597	1011.8	1.4	250	7	83.840	147.281	1009.1	-5.0
220	8	84.173	154.254	1018.2	1.2	251	8	83.799	146.132	995.5	-4.5
221	9	84.199	154.474	1008.8	.7	252	9	83.742	145.725	1005.8	-5.1
222	10	84.110	154.569	1015.0	-0.0	253	10	83.691	145.604	1018.9	-4.9
223	11	83.999	155.117	1018.9	-0.5	254	11	83.678	145.950	1025.4	-4.8
224	12	83.970	155.631	1018.3	.5	255	12	83.740	146.291	1024.2	-4.5
225	13	83.982	156.129	1016.2	.6	256	13	83.789	146.589	1020.0	-3.6
226	14	83.989	156.444	1014.4	1.3	257	14	83.757	147.370	1021.2	-4.0
227	15	84.021	156.192	1024.1	1.7	258	15	83.706	147.831	1024.3	-1.4
228	16	84.025	156.183	1021.4	1.0	259	16	83.659	148.232	1023.4	-1.5
229	17	84.047	155.964	1027.1	1.0	260	17	83.600	148.421	1023.4	-1.1
230	18	84.041	156.004	1025.5	1.3	261	18	83.550	148.575	1024.6	-3.4
231	19	84.046	155.867	1025.3	3.2	262	19	83.517	148.847	1022.9	-4.7
232	20	84.066	155.596	1022.4	2.2	263	20	83.512	149.057	1023.9	-3.6
233	21	84.075	155.136	1019.8	.8	264	21	83.552	149.352	1018.5	-4.7
234	22	84.061	154.697	1020.2	.8	265	22	83.631	149.595	1006.6	-3.7
235	23	84.026	154.554	1019.5	.8	266	23	83.717	149.577	1011.5	-3.5
236	24	83.977	154.682	1023.4	.6	267	24	83.746	149.436	1019.8	-5.0
237	25	83.927	154.581	1027.0	.7	268	25	83.736	149.311	1021.0	-5.6
238	26	83.911	154.293	1025.6	.5	269	26	83.748	149.289	1019.7	-6.9
239	27	83.904	154.208	1025.5	.6	270	27	83.784	149.053	1022.4	-9.4
240	28	83.890	154.033	1027.7	.8	271	28	83.846	148.605	1022.9	-8.8
241	29	83.822	153.293	1024.5	.2	272	29	83.923	147.979	1020.2	-7.1
242	30	83.765	152.417	1023.3	-0.5	273	30	83.976	147.755	1022.4	-6.9
243	31	83.776	151.615	1022.4	-1.9						

Buoy 20

BUOY(20)		LAT	LON	P	T	BUOY(20)		LAT	LON	P	T
OCT. 79		(N)	(+E,-W)	(MB)	(C)	NOV. 79		(N)	(+E,-W)	(MB)	(C)
274	1	84.037	147.424	1022.1	-8.5	305	1	84.768	150.716	1033.1	-13.3
275	2	84.092	147.211	1024.3	-8.7	306	2	84.790	150.607	1032.1	-15.8
276	3	84.156	146.884	1022.1	-8.9	307	3	84.859	151.578	1010.7	-15.5
277	4	84.231	146.727	1025.7	-8.3	308	4	84.917	151.347	1017.0	-16.2
278	5	84.298	146.451	1025.4	-9.9	309	5	84.975	151.271	1028.1	-17.9
279	6	84.362	146.130	1030.6	-11.4	310	6	84.984	151.206	1035.4	-17.2
280	7	84.395	145.965	1035.6	-11.6	311	7	84.999	151.418	1037.9	-15.0
281	8	84.407	145.907	1037.8	-12.5	312	8	85.021	151.532	1041.8	-14.0
282	9	84.356	146.063	1025.5	-10.3	313	9	85.036	151.532	1039.0	-14.2
283	10	84.289	146.363	1008.3	-7.4	314	10	85.065	151.719	1033.1	-15.3
284	11	84.305	147.112	1013.2	-9.0	315	11	85.127	152.066	1015.3	-16.4
285	12	84.324	148.029	1025.9	-9.5	316	12	85.193	152.224	1002.0	-14.5
286	13	84.356	146.501	1029.6	-7.5	317	13	85.214	152.291	999.6	-14.6
287	14	84.419	148.473	1025.2	-7.7	318	14	85.208	152.383	1003.1	-14.6
288	15	84.468	146.626	1026.1	-8.3	319	15	85.196	152.334	1005.8	-17.1
289	16	84.495	148.619	1020.1	-9.1	320	16	85.178	151.862	1003.3	-19.2
290	17	84.531	148.796	1016.3	-10.5	321	17	85.215	151.365	1006.9	-21.5
291	18	84.569	149.107	1019.1	-9.9	322	18	85.192	151.347	1017.8	-21.9
292	19	84.629	149.148	1017.8	-10.9	323	19	85.204	151.432	1018.6	-21.3
293	20	84.699	149.483	1015.5	-12.0	324	20	85.198	151.233	1017.2	-20.8
294	21	84.755	150.791	1012.6	-13.0	325	21	85.138	151.408	1013.1	-18.1
295	22	84.747	151.844	1019.6	-8.7	326	22	85.083	151.512	1010.0	-15.4
296	23	84.727	152.252	1023.9	-7.0	327	23	85.037	151.642	1006.6	-15.4
297	24	84.718	152.610	1025.1	-9.3	328	24	85.036	151.956	1004.3	-18.7
298	25	84.706	153.247	1023.8	-11.2	329	25	85.089	152.211	1014.3	-21.1
299	26	84.692	153.876	1010.6	-11.4	330	26	85.101	151.127	1008.1	-18.6
300	27	84.677	153.937	1006.1	-11.0	331	27	85.121	149.886	1006.8	-15.6
301	28	84.660	153.609	1008.1	-14.0	332	28	85.150	149.336	998.7	-15.1
302	29	84.641	153.506	1001.5	-16.9	333	29	85.229	148.725	992.4	-17.7
303	30	84.626	152.705	1001.0	-16.8	334	30			995.4	-21.9
304	31	84.709	151.169	1013.7	-15.0						

BUOY(20) DEC. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)
335	1	85.297	148.382	1005.1	-24.1
336	2	85.335	148.076	1007.7	-23.6
337	3	85.404	147.528	1000.7	-19.2
338	4	85.445	146.748	1002.3	-17.8
339	5	85.468	145.912	1001.8	-17.8
340	6	85.496	145.518	1007.3	-18.6
341	7	85.507	145.556	1016.7	-20.6
342	8	85.543	145.657	1017.5	-21.1
343	9	85.559	146.261	1016.5	-20.8
344	10	85.593	146.912	1015.1	-21.4
345	11	85.683	147.347	1011.7	-21.6
346	12	85.770	146.477	1000.3	-20.4
347	13	85.767	146.337	999.2	-21.6
348	14	85.768	146.231	1004.5	-23.8
349	15	85.763	146.605	1012.9	-24.2
350	16	85.735	146.163	1019.1	-24.2
351	17	85.770	146.614	1015.4	-23.0
352	18	85.777	147.116	1011.1	-19.8
353	19	85.789	146.628	1011.7	-20.6
354	20			1002.2	-21.9
355	21	85.875	148.497	981.0	-19.6
356	22	85.921	151.961	974.0	

BUOY(23)		LAT	LONG	P	T	BUOY(23)		LAT	LONG	P	T
MAR. 79		(N)	(+E,-W)	(MB)	(C)	APR. 79		(N)	(+E,-W)	(MB)	(C)
61	2	80.373	-179.505	1034.4	-36.5	91	1	80.080	178.758	1035.7	-21.3
62	3	80.401	-179.862	1034.8	-39.3	92	2	80.075	178.767	1034.6	-22.7
63	4	80.412	-179.913	1032.2	-36.1	93	3	80.075	178.764	1031.0	-23.9
64	5	80.450	-179.883	1025.0	-33.4	94	4	80.075	178.756	1030.4	-23.5
65	6	80.470	-179.876	1023.7	-33.8	95	5	80.072	178.751	1026.7	-23.4
66	7			1030.5	-37.8	96	6	80.074	178.761	1023.9	-24.3
67	8	80.465	-179.859	1041.4	-38.9	97	7	80.076	178.766	1020.9	-26.2
68	9	80.464	-179.945	1052.6	-39.5	98	8	80.079	178.745	1021.5	-23.9
69	10	80.478	179.915	1060.4	-40.1	99	9	80.086	178.751	1025.2	-32.7
70	11	80.471	179.784	1060.3	-37.5	100	10	80.069	178.734	1024.9	-33.7
71	12	80.428	179.648	1057.3	-34.4	101	11	80.066	178.816	1031.4	-31.6
72	13	80.406	179.390	1056.3	-31.7	102	12	80.100	178.796	1036.3	-29.3
73	14	80.393	179.037	1053.8	-29.8	103	13	80.132	178.657	1035.5	-26.3
74	15	80.374	178.824	1051.1	-30.6	104	14	80.141	178.615	1037.9	-24.4
75	16	80.286	178.647	1040.2	-26.7	105	15	80.143	178.609	1039.1	-24.3
76	17	80.188	178.709	1027.4	-24.6	106	16	80.135	178.590	1035.2	-23.7
77	18	80.102	178.913	1028.5	-26.0	107	17	80.114	178.538	1034.6	-25.4
78	19	80.088	179.045	1036.7	-29.0	108	18	80.074	178.518	1035.6	-26.5
79	20	80.084	179.044	1040.1	-30.9	109	19	80.069	178.591	1037.4	-25.2
80	21	80.100	179.061	1043.1	-32.0	110	20	80.070	178.593	1034.9	-24.1
81	22	80.142	179.161	1038.6	-29.7	111	21	80.092	178.602	1031.9	-23.0
82	23	80.171	179.288	1034.4	-29.4	112	22	80.126	178.540	1018.1	-22.0
83	24	80.189	179.104	1033.2	-31.6	113	23	80.132	178.446	1009.7	-20.7
84	25	80.189	178.948	1037.6	-33.3	114	24	80.152	178.385	1008.6	-18.8
85	26	80.181	178.646	1037.6	-32.9	115	25	80.180	178.269	1009.3	-17.8
86	27	80.176	178.365	1035.8	-31.4	116	26	80.197	178.119	1009.2	-17.6
87	28	80.150	178.265	1037.4	-30.8	117	27	80.204	178.005	1011.1	-16.7
88	29	80.148	178.261	1039.5	-31.3	118	28	80.224	177.956	1014.9	-15.2
89	30	80.149	178.274	1038.8	-30.4	119	29	80.271	177.856	1023.2	-14.1
90	31	80.114	178.590	1033.3	-25.6	120	30	80.267	177.423	1004.6	-11.4

BUOY(23)					BUOY(23)						
MAY	79	LAT (N)	LONG (+E,-W)	P (MB)	T (C)	JUNE	74	LAT (N)	LONG (+E,-W)	P (MB)	T (C)
121	1	80.482	177.197	1006.0	-10.0	152	1	81.224	173.122	1009.3	-1.4
122	2	80.536	177.819	1034.6	-14.1	153	2	81.221	172.994	1003.3	-2.1
123	3	80.556	177.182	1011.4	-13.2	154	3	81.155	173.157	1013.0	-4.8
124	4	80.556	177.265	1025.5	-10.8	155	4	81.124	173.203	1018.9	-5.7
125	5	80.546	177.265	1026.6	-10.5	156	5	81.107	172.986	1019.2	-4.5
126	6	80.602	177.019	1022.4	-9.5	157	6	81.061	172.613	1017.4	-2.9
127	7	80.597	176.902	1030.3	-7.4	158	7	81.072	171.935	1013.7	-3.3
128	8	80.642	176.743	1032.1	-8.0	159	8	81.066	171.532	1012.0	-1.2
129	9	80.682	175.655	1027.9	-5.8	160	9	81.043	171.678	1015.2	.4
130	10	80.706	176.576	1027.6	-6.2	161	10	81.031	171.815	1017.0	-1.6
131	11	80.734	176.539	1025.2	-5.8	162	11	81.017	171.851	1016.7	-1.3
132	12	80.768	176.348	1023.7	-4.4	163	12	80.984	172.006	1017.6	-2.2
133	13	80.793	176.163	1022.4	-4.6	164	13	80.980	172.472	1016.0	-1.1
134	14	80.816	175.998	1019.3	-4.3	165	14	81.006	173.497	1005.8	.2
135	15	80.850	175.932	1019.8	-5.0	166	15	80.976	174.150	1006.0	2.0
136	16	80.864	175.873	1019.5	-4.4	167	16	80.994	174.255	1011.8	3.4
137	17	80.874	175.816	1021.3	-5.6	168	17	81.037	174.643	1017.2	3.4
138	18	80.880	175.752	1019.0	-4.1	169	18	81.074	173.839	1022.2	3.3
139	19	80.895	175.852	1020.2	-2.9	170	19	81.104	174.024	1019.7	4.0
140	20	80.935	175.879	1023.3	-5.6	171	20	81.091	174.104	1021.0	4.0
141	21	80.981	175.916	1026.0	-6.2	172	21	81.086	174.169	1021.0	4.8
142	22	81.030	175.915	1028.3	-6.7	173	22	81.086	174.425	1017.8	4.5
143	23	81.099	175.837	1023.7	-7.7	174	23	81.053	174.450	1021.7	4.6
144	24	81.185	175.613	1018.8	-9.6	175	24	81.065	174.244	1030.1	4.6
145	25	81.245	175.192	1017.5	-9.0	176	25	81.068	174.346	1025.6	5.3
146	26	81.281	174.699	1015.4	-3.4	177	26	81.042	174.508	1020.2	3.7
147	27	81.283	174.138	1019.7	-7.9	178	27	81.024	174.889	1012.3	3.4
148	28	81.225	173.742	1024.2	-8.2	179	28	81.051	175.458	992.2	2.8
149	29	81.169	173.567	1027.1	-7.3	180	29	81.002	175.868	994.5	3.0
150	30	81.161	173.520	1019.1	-6.2	181	30	80.869	176.199	998.3	2.4
151	31	81.196	173.279	1011.6	-5.6						

Buoy 23

BUOY(23) JULY 79					BUOY(23) AUG. 79				
LAT (N)	LCN (+E,-W)	P (MB)	T (C)		LAT (N)	LCN (+E,-W)	P (MB)	T (C)	
182 1	80.843	175.741	1000.7	3.7	213 1	81.557	177.207	1016.0	2.7
183 2	80.760	176.002	1009.5	3.4	214 2	81.614	177.047	1009.4	2.8
184 3	80.695	176.229	1015.8	3.2	215 3	81.613	177.172	1008.7	2.2
185 4	80.674	176.455	1015.6	3.7	216 4	81.674	177.073	1015.5	2.7
186 5	80.709	176.508	1013.6	5.4	217 5	81.670	177.123	1022.7	3.9
187 6	80.718	176.140	1008.3	4.0	218 6	81.700	177.239	1023.1	3.4
188 7	80.713	175.592	1012.0	2.7	219 7	81.746	177.559	1019.1	2.5
189 8	80.671	175.629	1006.7	3.3	220 8	81.775	177.832	1014.8	1.9
190 9	80.643	175.811	1001.2	3.0	221 9	81.703	177.816	1014.7	2.7
191 10	80.652	175.764	1002.1	3.4	222 10	81.753	178.189	1014.6	1.0
192 11	80.652	175.426	1010.3	2.7	223 11	81.670	178.369	1019.6	.1
193 12	80.658	175.482	1008.8	3.7	224 12	81.655	178.662	1019.7	-9.9
194 13	80.712	175.193	1007.7	2.6	225 13	81.670	178.772	1020.2	.7
195 14	80.751	174.533	1002.4	1.7	226 14	81.696	179.075	1016.3	.9
196 15	80.793	174.829	1000.0	2.5	227 15	81.736	178.830	1019.9	1.3
197 16	80.859	175.077	1009.1	2.9	228 16	81.773	178.201	1019.5	.3
198 17	80.899	174.857	1006.0	3.0	229 17	81.791	177.774	1025.0	.0
199 18	80.947	175.011	1008.5	3.3	230 18	81.763	177.605	1021.7	1.4
200 19	81.024	175.079	1008.7	2.8	231 19	81.757	177.342	1022.6	1.5
201 20	81.046	175.506	1010.0	2.3	232 20	81.772	177.006	1019.8	1.4
202 21	81.130	176.240	998.3	1.3	233 21	81.796	176.403	1014.0	1.3
203 22	81.133	177.049	998.3	1.5	234 22	81.619	175.645	1016.9	1.4
204 23	81.106	177.125	1001.3	2.3	235 23	81.618	175.439	1017.8	1.4
205 24	81.072	177.396	1012.8	2.8	236 24	81.603	175.406	1022.1	.7
206 25	81.089	177.839	1016.5	2.5	237 25	81.801	175.136	1023.0	-8.8
207 26	81.153	178.333	1016.8	1.8	238 26	81.810	174.229	1019.4	-8.8
208 27	81.206	178.350	1018.3	3.8	239 27	81.826	173.356	1023.9	-6.6
209 28	81.276	178.322	1019.3	2.8	240 28	81.804	173.040	1023.8	-6.6
210 29	81.309	177.834	1013.8	2.0	241 29	81.739	172.508	1016.5	-1.6
211 30	81.459	177.535	1013.4	2.0	242 30	81.752	171.769	1018.9	-2.4
212 31	81.512	177.266	1014.5	2.2	243 31	81.755	171.304	1017.2	-1.5

BUOY(23) SEPT 79					BUOY(23) OCT. 79				
LAT (N)	LCN (+E,-W)	P (MB)	T (C)		LAT (N)	LCN (+E,-W)	P (MB)	T (C)	
244 1	81.791	170.908	1021.2	-2.7	274 1	81.933	164.627	1024.6	-12.5
245 2	81.824	170.466	1022.4	-2.7	275 2	81.983	164.433	1024.7	-14.0
246 3	81.841	169.973	1024.7	-3.1	276 3	82.070	164.328	1027.4	-9.9
247 4	81.839	169.573	1026.0	-3.1	277 4	82.127	164.261	1027.8	-12.6
248 5	81.866	169.380	1031.4	-3.7	278 5	82.193	164.028	1027.3	-14.6
249 6	81.899	168.922	1023.0	-5.5	279 6	82.240	163.722	1031.9	-14.3
250 7	81.976	167.577	998.4	-4.4	280 7	82.251	163.486	1035.9	-11.8
251 8	82.054	167.506	994.3	-3.0	281 8	82.231	163.265	1034.4	-11.3
252 9	82.057	167.632	1003.3	-3.7	282 9	82.180	162.992	1023.5	-14.4
253 10	82.011	167.850	1018.6	-6.2	283 10	82.169	163.166	1011.6	-13.3
254 11	81.980	167.759	1027.2	-5.2	284 11	82.205	163.645	1019.9	-12.0
255 12	81.985	167.987	1032.3	-6.0	285 12	82.175	163.952	1028.6	-11.3
256 13	82.072	168.484	1019.2	-6.5	286 13	82.175	164.202	1032.8	-12.2
257 14	82.026	168.577	1022.6	-5.6	287 14	82.228	164.251	1029.0	-11.2
258 15	81.950	168.890	1021.3	-3.0	288 15	82.259	164.367	1028.5	-10.3
259 16	81.896	168.769	1020.8	-1.3	289 16	82.274	164.387	1022.5	-10.7
260 17	81.833	168.706	1019.8	-1.3	290 17	82.274	164.408	1019.6	-13.1
261 18	81.774	168.541	1019.6	-1.9	291 18	82.294	164.452	1021.2	-14.4
262 19	81.652	168.308	1018.1	-5.9	292 19	82.339	164.398	1020.1	-12.4
263 20	81.617	168.017	1024.0	-9.7	293 20	82.388	164.517	1022.1	-14.1
264 21	81.608	167.940	1021.1	-12.4	294 21	82.438	164.523	1022.6	-16.0
265 22	81.642	167.927	1013.7	-10.7	295 22	82.444	164.862	1022.2	-15.1
266 23	81.666	167.662	1009.1	-10.1	296 23	82.420	165.064	1026.2	-10.7
267 24	81.697	167.511	1017.5	-9.2	297 24	82.407	165.206	1027.7	-11.0
268 25	81.664	167.148	1014.8	-6.4	298 25	82.382	165.416	1027.5	-13.9
269 26	81.649	166.487	1018.6	-8.3	299 26	82.364	165.808	1019.3	-14.0
270 27	81.696	165.886	1020.6	-9.2	300 27	82.379	166.640	1004.8	-13.9
271 28	81.749	165.408	1020.2	-9.7	301 28	82.391	166.711	1004.4	-15.9
272 29	81.825	164.992	1021.7	-8.9	302 29	82.388	166.817	1000.1	-20.9
273 30	81.876	164.835	1023.1	-11.6	303 30	82.441	166.519	993.5	-20.9
					304 31	82.546	166.009	1011.8	-18.2

Buoy 23

BUOY(23) NOV. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)	BUOY(23) DEC. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)
305	1	82.622	165.517	1031.8	-16.2	335	1	83.091	163.282	1007.7	-24.1
306	2	82.629	165.203	1033.6	-17.9	336	2	83.124	163.088	1006.7	-22.9
307	3	82.638	165.343	1021.4	-18.8	337	3	83.207	162.716	1002.2	-18.6
308	4	82.700	165.365	1020.7	-19.7	338	4	83.252	162.187	999.3	-19.5
309	5	82.733	165.077	1026.6	-19.0	339	5	83.291	161.523	999.8	-19.4
310	6	82.745	165.021	1034.0	-15.5	340	6	83.314	161.188	1007.7	-20.4
311	7	82.744	165.020	1035.8	-14.4	341	7	83.321	161.171	1016.9	-23.6
312	8	82.758	165.005	1041.2	-13.6	342	8	83.326	161.272	1020.5	-26.1
313	9	82.763	164.868	1040.2	-13.7	343	9	83.333	161.504	1020.3	-27.0
314	10	82.772	164.764	1036.4	-15.4	344	10	83.352	161.796	1018.2	-27.1
315	11	82.820	164.949	1022.1	-18.1	345	11	83.403	161.944	1015.1	-25.4
316	12	82.886	165.286	1007.2	-16.1	346	12	83.499	161.651	997.1	-22.2
317	13	82.915	165.600	1003.8	-14.2	347	13	83.503	161.914	1002.3	-22.0
318	14	82.910	165.814	1002.1	-12.1	348	14	83.515	162.147	1005.4	-24.2
319	15	82.907	165.829	1004.2	-13.9	349	15	83.519	162.079	1010.8	-26.1
320	16	82.927	165.673	1003.2	-18.1	350	16	83.521	162.077	1019.6	-28.8
321	17	82.935	165.483	1006.0	-21.3	351	17	83.516	162.238	1020.3	-28.7
322	18	82.933	165.258	1015.7	-22.5	352	18	83.503	162.550	1013.8	-25.2
323	19	82.927	165.100	1017.1	-22.7	353	19	83.510	162.476	1008.0	-21.8
324	20	82.911	165.062	1015.2	-23.1	354	20	83.524	162.438	1005.7	-24.3
325	21	82.860	164.976	1009.4	-20.9	355	21	83.534	163.083	995.7	-24.7
326	22	82.786	165.144	1006.0	-18.9	356	22	83.608	164.861	991.5	-19.4
327	23	82.756	165.142	1006.1	-19.3	357	23	83.747	166.367	1001.9	-20.7
328	24	82.758	165.310	1007.5	-20.0	358	24	83.863	166.784	1007.4	-24.8
329	25	82.797	165.116	1008.7	-20.4	359	25	83.934	166.740	1010.4	-24.8
330	26	82.789	163.752	997.7	-18.3	360	26	83.947	166.659	1011.3	-26.8
331	27	82.832	163.210	1000.2	-18.2	361	27	83.947	166.680	1008.0	-27.9
332	28	82.878	162.891	995.0	-18.3	362	28	83.972	166.915	1015.0	-27.4
333	29	82.978	163.009	995.7	-20.5	363	29	84.029	167.071	1023.3	-27.5
334	30	83.054	163.323	999.5	-22.4	364	30	84.067	167.430	1032.5	-26.6
						365	31	84.036	166.826	1040.5	-25.7

Buoy 24

BUOY (24)	LAT	LONG	P	T	BUOY (24)	LAT	LONG	P	T
MAR. 79	(N)	(+E, -W)	(MB)	(C)	APR. 79	(N)	(+E, -W)	(MB)	(C)
60	1		1007.1	-30.2	91	1	76.766	-14.558	1032.5
61	2		999.7	-17.6	92	2	76.653	-14.634	1027.8
62	3		993.2	-19.2	93	3	76.625	-14.537	1023.4
63	4		995.8	-20.7	94	4	76.461	-14.645	1031.1
64	5		1002.0	-23.1	95	5	76.212	-14.712	1042.8
65	6	80.213	-7.462	1004.6	96	6	76.134	-14.736	1038.7
66	7	79.996	-7.942	997.5	97	7	76.090	-14.734	1033.4
67	8	79.796	-8.420	997.5	98	8	76.029	-14.741	1028.7
68	9	79.532	-9.355	1015.2	99	9	75.945	-14.742	1037.1
69	10	79.277	-10.279	1028.9	100	10	75.863	-14.784	1043.4
70	11	79.075	-10.729	1027.0	101	11	75.792	-14.811	1047.4
71	12	78.862	-11.170	1022.6	102	12	75.759	-14.905	1043.9
72	13	78.665	-11.647	1032.2	103	13	75.727	-14.753	1026.5
73	14	78.562	-11.827	1028.9	104	14	75.683	-15.020	1027.4
74	15	78.537	-11.837	1034.1	105	15	75.523	-15.166	1032.2
75	16	78.549	-11.914	1023.6	106	16	75.303	-15.450	1033.4
76	17	78.475	-11.917	1023.3	107	17	75.101	-15.607	1030.0
77	18	78.416	-11.968	1008.6	108	18	74.854	-15.800	1019.3
78	19	78.268	-12.527	1022.3	109	19	74.702	-16.105	1016.9
79	20	78.070	-12.834	1023.9	110	20	74.531	-16.477	1017.1
80	21	77.903	-13.210	1020.3	111	21	74.365	-16.855	1017.5
81	22	77.858	-13.364	1015.6	112	22	74.226	-17.153	1015.1
82	23	77.798	-13.377	1013.2	113	23	74.104	-17.394	1012.2
83	24	77.779	-13.431	1010.3	114	24	74.017	-17.547	1012.8
84	25	77.781	-13.487	1009.3	115	25	73.902	-17.746	1022.5
85	26	77.767	-13.752	1009.5	116	26	73.849	-17.811	1014.2
86	27	77.631	-14.006	1012.4	117	27	73.678	-17.994	1019.4
87	28	77.367	-14.352	1016.9	118	28	73.609	-18.107	1003.9
88	29	77.187	-14.409	1010.6	119	29	73.273	-18.684	1024.5
89	30	77.090	-14.328	1012.6	120	30	72.953	-19.002	1027.1
90	31	76.907	-14.382	1019.7					

BUOY (24)	LAT	LONG	P	T
MAY 79	(N)	(+E, -W)	(MB)	(C)
121	1	72.492	-19.394	1032.0
122	2	72.211	-19.672	1026.4
123	3	72.026	-19.912	1024.2
124	4	71.680	-20.355	1034.7
125	5	71.556	-20.438	1028.6
126	6	71.447	-20.527	1034.3
127	7	71.361	-20.633	1031.8
128	8	71.189	-20.596	1030.0
129	9	71.095	-20.504	1023.3
130	10	71.006	-20.390	1019.6
131	11	70.883	-20.428	1026.5
132	12	70.770	-20.396	1026.3
133	13	70.709	-20.364	1023.0
134	14	70.602	-20.382	1016.5
135	15	70.561	-20.152	1015.8

BUOY(25)	LAT	LON	P	T	
FEB. 79	(N)	(+E,-W)	(MB)	(C)	
50	19	73.702	-167.456	1012.3	-23.7
51	20	73.723	-167.513	1020.5	-23.7
52	21	73.758	-167.526	1022.7	-19.2
53	22	73.821	-167.535	1018.8	-17.2
54	23	73.848	-167.315	1028.6	-18.9
55	24	73.896	-167.370	1026.6	-21.8
56	25	73.946	-167.392	1025.4	-21.6
57	26	73.930	-167.421	1024.4	-23.2
58	27	73.909	-167.400	1030.7	-19.2
59	28			1032.7	-12.9

BUOY(25)	LAT	LON	P	T	
MAR. 79	(N)	(+E,-W)	(MB)	(C)	
60	1	73.848	-167.382	1039.1	-27.6
61	2	73.851	-167.460	1028.6	-28.6
62	3	73.906	-167.617	1031.5	-29.4
63	4	73.899	-167.690	1033.2	-30.5
64	5	73.932	-167.778	1035.2	-31.4
65	6	73.929	-167.904	1029.6	-29.9
66	7	73.911	-167.994	1029.1	-27.8
67	8	73.917	-168.009	1036.7	-28.6
68	9	73.908	-168.244	1043.9	-29.5
69	10	73.897	-168.501	1047.7	-31.1
70	11	73.864	-168.821	1049.2	-29.3
71	12	73.775	-168.949	1038.6	-27.8
72	13	73.744	-169.009	1036.4	-27.8
73	14	73.727	-169.076	1037.6	-28.6
74	15	73.699	-169.147	1038.1	-28.1
75	16	73.654	-169.115	1025.6	-26.0
76	17	73.566	-169.133	1020.8	-25.0
77	18	73.500	-169.113	1022.7	-23.4
78	19	73.479	-169.109	1029.9	-25.2
79	20	73.476	-169.119	1034.6	-27.5
80	21	73.472	-169.132	1039.3	-27.8
81	22	73.475	-169.124	1037.3	-28.2
82	23	73.491	-169.316	1025.5	-25.7
83	24	73.507	-169.368	1026.9	-20.0
84	25	73.520	-169.373	1029.9	-15.6
85	26	73.568	-169.579	1018.3	-13.5
86	27	73.577	-169.649	1016.3	-11.4
87	28	73.578	-169.652	1026.6	-11.8
88	29	73.578	-169.635	1032.5	-19.1
89	30	73.574	-169.627	1036.1	-24.5
90	31	73.557	-169.631	1038.9	-25.8

BUOY(25)	LAT	LON	P	T	
APR. 79	(N)	(+E,-W)	(MB)	(C)	
91	1	73.546	-169.551	1037.5	-24.0
92	2	73.546	-169.541	1033.9	-23.2
93	3	73.546	-169.534	1030.0	-23.7
94	4	73.538	-169.609	1022.0	-24.6
95	5	73.515	-169.809	1017.2	-22.6
96	6	73.509	-169.830	1017.4	-21.9
97	7	73.512	-169.835	1019.7	-22.8
98	8	73.496	-169.809	1023.4	-23.6
99	9	73.486	-169.788	1028.4	-22.6
100	10	73.472	-169.735	1030.7	-21.9
101	11	73.486	-169.760	1035.0	-22.5
102	12	73.528	-169.830	1036.5	-20.8
103	13	73.550	-169.935	1039.8	-20.9
104	14	73.556	-169.962	1043.5	-21.0
105	15	73.552	-169.963	1041.9	-20.8
106	16	73.552	-169.952	1033.4	-20.3
107	17	73.539	-169.969	1029.5	-19.6
108	18	73.496	-170.027	1029.7	-21.2
109	19	73.466	-170.072	1028.6	-22.2
110	20	73.464	-170.095	1023.6	-20.5
111	21	73.470	-170.114	1020.7	-17.0
112	22	73.473	-170.121	1006.8	-11.9
113	23	73.466	-170.065	1013.9	-14.4
114	24	73.470	-170.121	997.9	-14.6
115	25	73.463	-170.114	1000.2	-10.9
116	26	73.448	-170.039	1009.4	-11.8
117	27	73.490	-170.066	1007.4	-8.2
118	28	73.489	-170.151	1007.0	-5.9
119	29	73.509	-170.157	1009.3	-2.6
120	30	73.576	-170.067	1010.7	-1.3

BUOY(25)	LAT	LON	P	T	
MAY 79	(N)	(+E,-W)	(MB)	(C)	
121	1	73.655	-169.746	1028.2	-8.0
122	2	73.617	-169.942	1018.8	-9.2
123	3	73.605	-170.071	1014.1	-6.4
124	4	73.557	-170.143	1019.9	-7.4
125	5	73.514	-170.333	1012.1	-6.4
126	6	73.492	-170.352	1016.7	-7.0
127	7	73.496	-170.381	1022.4	-4.3
128	8	73.523	-170.664	1024.3	-3.2
129	9	73.561	-170.917	1028.0	-2.8
130	10	73.569	-171.096	1027.5	-3.4
131	11	73.566	-171.250	1024.5	-3.2
132	12	73.584	-171.419	1024.0	-3.4
133	13	73.599	-171.498	1022.8	-4.2
134	14	73.614	-171.494	1022.4	-5.4
135	15	73.637	-171.549	1020.7	-5.8
136	16	73.651	-171.670	1016.8	-6.5
137	17	73.678	-171.876	1018.2	-6.3
138	18	73.688	-172.034	1019.6	-4.8
139	19	73.711	-172.197	1020.3	-5.5
140	20	73.747	-172.435	1022.1	-7.4
141	21	73.771	-172.725	1024.6	-7.0
142	22	73.801	-173.006	1025.4	-6.7
143	23	73.859	-173.292	1019.1	-7.1
144	24	73.946	-173.705	1008.2	-7.1
145	25	74.052	-174.255	998.5	-4.7
146	26	74.133	-174.552	1000.6	.7
147	27	74.161	-174.562	1010.0	.5
148	28	74.140	-174.451	1018.1	-7.7
149	29	74.068	-174.516	1024.1	-2.7
150	30	74.084	-174.565	1018.8	-7.7
151	31	74.128	-174.641	1011.0	-7.2

Buoy 25

BUOY(25) JUNE 79					BUOY(25) JULY 79				
		LAT (N)	LONG (+E,-W)	P (MB)	T (C)			LAT (N)	LONG (+E,-W)
152	1	74.130	-174.382	1015.3	.4	182	1	74.105	-176.194
153	2	74.181	-174.212	1009.8	.7	183	2	74.110	-176.042
154	3	74.164	-174.442	1013.6	.4	184	3	74.099	-176.239
155	4	74.189	-174.619	1010.2	.4	185	4	74.070	-176.629
156	5	74.209	-174.697	1009.2	1.5	186	5	74.071	-176.834
157	6	74.240	-174.758	1010.6	3.4	187	6	74.051	-176.863
158	7	74.226	-174.642	1017.2	.4	188	7	73.995	-176.877
159	8	74.212	-174.540	1022.5	-1.8	189	8	73.941	-176.786
160	9	74.248	-174.582	1017.4	-1.0	190	9	73.920	-176.799
161	10	74.295	-174.738	1007.7	1.2	191	10	73.865	-176.736
162	11	74.264	-175.046	1001.5	.7	192	11	73.856	-176.530
163	12	74.162	-175.219	1012.5	-.9	193	12	73.884	-176.502
164	13	74.148	-175.255	1020.8	-2.0	194	13	73.945	-176.454
165	14	74.144	-175.242	1025.8	.9	195	14	73.925	-176.489
166	15	74.143	-175.109	1019.6	-.5	196	15	73.910	-176.398
167	16	74.161	-175.135	1019.6	1.4	197	16	73.947	-176.375
168	17	74.199	-175.441	1008.7	2.1	198	17	73.950	-176.293
169	18	74.232	-175.734	1015.6	1.4	199	18	73.969	-176.221
170	19	74.247	-175.990	1018.6	.9	200	19	74.050	-176.197
171	20	74.245	-176.020	1019.6	2.4	201	20	74.095	-176.241
172	21	74.259	-176.026	1021.1	3.0	202	21	74.121	-176.229
173	22	74.226	-176.042	1024.5	1.9	203	22	74.089	-176.115
174	23	74.234	-176.042	1022.2	3.3	204	23	74.115	-175.855
175	24	74.220	-176.158	1021.0	2.0	205	24	74.160	-175.944
176	25	74.204	-176.525	1024.7	.6	206	25	74.182	-176.167
177	26	74.158	-176.588	1024.6	1.7	207	26	74.230	-176.530
178	27	74.132	-176.567	1023.6	2.7	208	27	74.346	-176.653
179	28	74.135	-176.524	1014.4	3.3	209	28	74.410	-176.950
180	29	74.179	-176.390	1004.4	4.1	210	29	74.486	-177.633
181	30	74.126	-176.406	1012.6	3.0	211	30	74.559	-177.146
						212	31	74.624	-177.337

BUOY(25) AUG. 79					BUOY(25) SEPT 79				
		LAT (N)	LONG (+E,-W)	P (MB)	T (C)			LAT (N)	LONG (+E,-W)
213	1	74.703	-177.571	1007.7	.3	244	1	75.609	173.713
214	2	74.791	-177.540	1011.0	.2	245	2	75.654	173.454
215	3	74.796	-177.475	1013.8	.3	246	3	75.687	173.133
216	4	74.798	-177.438	1018.6	.8	247	4	75.654	173.043
217	5	74.830	-177.558	1020.0	1.6	248	5	75.686	172.785
218	6	74.905	-177.916	1020.5	.3	249	6	75.839	172.182
219	7	74.951	-178.172	1018.7	.4	250	7	75.890	172.370
220	8	74.989	-178.351	1018.1	.4	251	8	75.987	172.889
221	9	74.992	-178.474	1019.4	.6	252	9	75.997	173.446
222	10	74.998	-178.532	1016.3	.8	253	10	75.970	173.484
223	11	75.007	-178.677	1016.6	.9	254	11	75.986	173.285
224	12	75.025	-179.111	1013.8	-.1	255	12	75.991	173.155
225	13	75.042	-179.516	1012.7	.4	256	13	76.052	173.279
226	14	75.077	179.822	1003.9	-2.2	257	14	76.055	173.582
227	15	75.120	179.540	1002.1	.1	258	15	76.025	173.444
228	16	75.182	179.092	1002.3	-.1	259	16	75.966	173.293
229	17	75.219	178.665	1009.2	.0	260	17	75.925	173.264
230	18	75.278	177.998	1014.2	-.3	261	18	75.913	173.156
231	19	75.292	177.484	1012.7	-.2	262	19	75.852	173.102
232	20	75.313	177.078	1007.0	.1	263	20	75.693	172.729
233	21	75.344	176.589	999.5	.0	264	21	75.604	172.260
234	22	75.412	176.534	1012.0	.3	265	22	75.519	171.961
235	23	75.450	176.545	1018.6	.2	266	23	75.541	171.910
236	24	75.476	176.338	1016.9	1.1	267	24	75.564	171.562
237	25	75.467	175.573	1001.3	-.1	268	25	75.539	171.049
238	26	75.520	174.896	996.7	-.1	269	26	75.566	170.699
239	27	75.572	174.509	1012.0	-.1	270	27	75.620	170.584
240	28	75.549	174.144	1022.3	-1.0	271	28	75.630	170.255
241	29	75.488	174.026	1016.4	-.9	272	29	75.621	170.095
242	30	75.499	174.206	1012.6	-1.2	273	30	75.646	169.945
243	31	75.564	173.775	1014.0	-1.1				

Buoy 25

BUOY(25) NOV. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)	BUOY(25) DEC. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)		
305	1	76.219	166.409	1019.3	-7.7	335	1	75.703	163.748	1000.8	-14.4
306	2	76.215	166.069	1021.9	-8.4	336	2	75.708	163.581	996.7	-12.2
307	3	76.191	165.710	1016.8	-8.6	337	3	75.655	163.727	992.1	-10.9
308	4	76.167	165.489	1015.3	-9.3	338	4	75.621	163.656	986.9	-10.0
309	5	76.143	165.509	1029.2	-10.1	339	5	75.555	163.780	994.4	-9.4
310	6	76.136	165.428	1031.8	-10.0	340	6	75.532	163.972	1006.5	-9.7
311	7	76.096	165.138	1024.6	-10.3	341	7	75.534	163.999	1010.2	-10.2
312	8	75.989	164.874	1021.6	-9.7	342	8	75.514	163.973	1017.0	-10.6
313	9	75.896	164.415	1018.5	-8.5	343	9	75.510	163.957	1020.2	-11.0
314	10	75.787	163.952	1021.6	-8.4	344	10	75.533	163.857	1018.9	-11.5
315	11	75.734	163.879	1027.8	-9.8	345	11	75.625	163.612	1018.2	-11.2
316	12	75.706	164.016	1024.5	-12.1	346	12	75.736	163.797	1012.5	-10.0
317	13	75.692	164.239	1020.9	-11.7	347	13	75.722	163.795	1014.8	-9.1
318	14	75.672	164.336	1014.3	-12.5	348	14	75.710	163.782	1015.3	-9.2
319	15	75.666	164.405	1009.8	-13.2	349	15	75.723	163.903	1023.7	-9.5
320	16	75.665	164.428	1006.2	-13.3	350	16	75.752	163.948	1023.9	-9.6
321	17	75.662	164.497	1005.5	-13.8	351	17	75.757	163.752	1013.1	-9.5
322	18	75.656	164.467	1015.8	-15.6	352	18	75.750	163.526	1023.2	-9.3
323	19	75.659	164.416	1018.6	-16.0	353	19	75.729	163.628	1021.2	-9.3
324	20	75.649	164.392	1017.7	-17.0	354	20	75.703	163.788	1017.7	-9.7
325	21	75.637	164.387	1018.7	-17.7	355	21	75.703	163.898	1015.8	-10.5
326	22	75.633	164.390	1018.2	-18.4	356	22	75.703	163.925	1017.1	-11.1
327	23	75.641	164.389	1014.7	-18.2	357	23	75.729	163.970	1017.0	-11.5
328	24	75.658	163.908	986.6	-15.7	358	24	75.762	163.928	1012.9	-11.5
329	25	75.661	163.526	978.3	-13.0	359	25	75.771	163.869	1010.6	-12.0
330	26			981.3	-12.8	360	26	75.779	163.810	1010.9	-12.4
331	27	75.673	163.433	991.5	-14.7	361	27	75.786	163.760	1016.0	-12.7
332	28	75.671	163.534	1005.8	-15.6	362	28	75.792	163.732	1024.7	-12.7
333	29	75.674	163.792	1016.0	-14.8	363	29	75.801	163.708	1034.9	-12.6
334	30	75.691	163.927	1011.5	-15.0	364	30	75.791	163.682	1043.3	-12.7
						365	31	75.768	163.983	1042.8	-12.6

Buoy 26

BUOY(26) NOV. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)	BUOY(26) DEC. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)
305	1	86.175	-8.626	1024.2	-20.8	335	1	85.254	-15.015	995.7	-27.1
306	2	86.197	-8.533	1019.8	-18.5	336	2	85.234	-15.493	995.9	-25.4
307	3	86.181	-8.432	1011.3	-23.3	337	3	85.229	-15.509	1007.2	-27.9
308	4	86.143	-8.486	1004.4	-19.1	338	4	85.226	-15.510	1001.8	-30.8
309	5	86.054	-8.805	1008.4	-17.2	339	5	85.225	-15.488	1007.2	-31.0
310	6	85.961	-10.662	1004.7	-13.6	340	6	85.225	-15.504	1006.1	-31.7
311	7	85.969	-13.016	1011.9	-9.9	341	7	85.227	-15.505	1003.3	-30.2
312	8	85.961	-14.460	1023.9	-11.3	342	8	85.226	-15.506	1000.4	-28.1
313	9	85.950	-14.754	1026.5	-22.1	343	9	85.227	-15.489	1001.3	-22.9
314	10	85.929	-14.792	1020.5	-27.0	344	10	85.226	-15.516	1001.4	-23.6
315	11	85.851	-14.787	1007.8	-26.9	345	11	85.226	-15.510	1003.4	-23.8
316	12	85.703	-14.844	1003.1	-24.4	346	12	85.225	-15.515	1009.4	-31.8
317	13	85.634	-14.862	1009.6	-25.5	347	13	85.225	-15.497	1010.3	-35.3
318	14	85.626	-14.596	1014.1	-29.5	348	14	85.226	-15.489	1010.3	-33.9
319	15	85.619	-14.250	1015.9	-29.9	349	15	85.226	-15.499	1002.0	-29.8
320	16	85.607	-13.834	1017.8	-29.6	350	16	85.228	-15.473	1002.5	-29.2
321	17	85.602	-13.894	1012.9	-30.3	351	17	85.224	-15.474	1007.1	-28.9
322	18	85.600	-14.103	1009.9	-24.5	352	18	85.203	-15.063	1016.2	-28.8
323	19	85.569	-14.099	1011.2	-22.9	353	19	85.203	-15.226	1002.9	-28.9
324	20	85.538	-14.206	1013.3	-25.0	354	20	85.203	-15.058	958.9	-16.6
325	21	85.540	-14.289	1009.1	-28.2	355	21	85.027	-13.064	957.9	-19.4
326	22	85.565	-14.748	1003.9	-23.8	356	22	84.702	-9.854	963.5	-20.7
327	23	85.586	-15.050	1004.5	-23.2	357	23	84.392	-7.584	989.2	-17.8
328	24	85.586	-15.090	994.3	-25.8	358	24	84.153	-6.157	1016.9	-19.9
329	25	85.540	-14.636	1001.7	-31.0	359	25	84.123	-5.975	1014.0	-24.0
330	26	85.478	-15.078	1008.5	-29.1	360	26	84.139	-5.793	1009.4	-22.6
331	27	85.360	-15.850	1027.3	-24.5	361	27	84.109	-5.701	1002.3	-23.3
332	28	85.321	-15.199	1023.0	-22.7	362	28	84.025	-5.292	1010.0	-25.9
333	29	85.307	-14.978	1003.2	-23.2	363	29	83.883	-4.630	1010.5	-28.7
334	30	85.277	-14.742	1001.7	-26.5	364	30			1017.1	-28.9
						365	31			1014.1	-29.3

Buoy 27

BUOY(27) FEB. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)
50 19	81.594	-153.520	1012.5	-41.0
51 20	81.611	-153.475	1023.9	-40.2
52 21	81.629	-153.625	1021.8	-33.3
53 22	81.645	-153.753	1027.5	-28.8
54 23	81.695	-154.229	1018.5	-28.9
55 24	81.737	-154.484	1032.2	-30.4
56 25	81.777	-153.985	1021.3	-26.7
57 26	81.745	-153.673	1018.6	-27.9
58 27	81.742	-153.539	1015.9	-29.5
59 28			1007.7	-28.8

BUOY(27) MAR. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)
60	1	81.637	-152.951	1020.0	-32.9
61	2	81.585	-152.992	1026.6	-37.5
62	3	81.509	-153.123	1026.1	-32.7
63	4	81.502	-153.121	1034.5	-33.5
64	5	81.520	-153.089	1026.3	-33.7
65	6	81.540	-152.976	1019.3	-31.4
66	7	81.541	-152.991	1024.0	-36.6
67	8	81.538	-152.993	1034.3	-39.5
68	9	81.523	-153.014	1046.4	-39.8
69	10	81.460	-153.136	1051.3	-35.6
70	11	81.379	-153.271	1044.8	-32.1
71	12	81.267	-153.693	1045.1	-27.0
72	13	81.212	-154.123	1049.5	-25.8
73	14	81.152	-154.473	1044.0	-26.7
74	15	81.007	-154.612	1031.5	-24.7
75	16	80.903	-154.908	1024.2	-21.4
76	17	80.750	-155.096	1008.0	-20.6
77	18	80.673	-155.309	1019.3	-23.6
78	19	80.645	-155.269	1027.5	-27.4
79	20	80.635	-155.183	1030.7	-29.0
80	21	80.637	-155.135	1036.7	-30.9
81	22	80.649	-155.005	1039.2	-29.3
82	23	80.671	-154.858	1033.1	-27.5
83	24	80.674	-154.855	1029.6	-29.4
84	25	80.641	-154.740	1030.5	-30.2
85	26	80.577	-154.618	1031.6	-25.8
86	27	80.567	-154.647	1027.9	-23.4
87	28	80.546	-154.733	1031.1	-25.1
88	29	80.541	-154.689	1034.5	-27.8
89	30	80.534	-154.631	1029.0	-28.4
90	31	80.529	-154.566	1022.3	-23.6

BUOY(27) APR. 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)
91	1	80.527	-154.618	1032.1	-25.7
92	2	80.530	-154.594	1033.1	-29.4
93	3	80.528	-154.603	1028.6	-28.9
94	4	80.528	-154.605	1024.8	-26.8
95	5	80.547	-154.599	1020.1	-23.9
96	6	80.566	-154.592	1019.6	-26.4
97	7	80.571	-154.604	1016.6	-29.7
98	8	80.573	-154.602	1017.8	-31.4
99	9	80.574	-154.674	1019.6	-31.9
100	10	80.551	-154.748	1021.4	-31.3
101	11	80.548	-154.626	1029.1	-30.0
102	12	80.568	-154.537	1040.9	-30.1
103	13	80.581	-154.587	1042.4	-28.2
104	14	80.587	-154.611	1042.2	-25.6
105	15	80.589	-154.592	1040.9	-24.5
106	16	80.587	-154.666	1032.5	-24.7
107	17	80.562	-154.795	1025.5	-24.4
108	18	80.490	-155.061	1021.9	-22.1
109	19	80.438	-155.156	1032.0	-21.0
110	20	80.432	-155.103	1036.3	-22.3
111	21	80.445	-155.066	1034.7	-21.2
112	22	80.483	-155.089	1021.3	-21.0
113	23	80.523	-155.346	1003.4	-19.1
114	24	80.511	-155.348	1004.3	-15.2
115	25	80.527	-155.381	1008.2	-15.9
116	26	80.556	-155.572	1007.3	-16.6
117	27	80.551	-155.719	1011.0	-14.0
118	28	80.556	-155.657	1018.9	-14.6
119	29	80.606	-155.720	1027.5	-14.7
120	30	80.684	-156.001	1021.4	-11.3

BUOY(27) MAY 79		LAT (N)	LON (+E,-W)	P (MB)	T (C)
121	1	80.820	-155.716	1017.1	-7.0
122	2	80.822	-155.265	1036.7	-10.7
123	3	80.894	-155.910	1017.9	-11.8
124	4	80.984	-155.916	1020.9	-9.0
125	5	80.971	-156.208	1023.8	-9.1
126	6	81.034	-156.486	1016.7	-6.7
127	7	81.090	-156.528	1026.7	-4.3
128	8	81.096	-156.582	1035.8	-3.4
129	9	81.107	-156.691	1031.9	-5.6
130	10	81.107	-156.728	1029.6	-5.6
131	11	81.103	-156.797	1027.3	-5.1
132	12	81.103	-156.894	1024.4	-5.3
133	13	81.055	-157.048	1017.9	-6.2
134	14	81.000	-157.150	1016.5	-4.5
135	15	80.982	-157.032	1019.0	-3.0
136	16	80.988	-157.154	1019.7	-4.7
137	17	80.979	-157.179	1018.3	-6.6
138	18	80.936	-157.146	1014.9	-7.9
139	19	80.875	-156.899	1016.3	-8.8
140	20	80.843	-156.637	1021.4	-8.6
141	21	80.820	-156.556	1025.2	-6.7
142	22	80.809	-156.492	1028.6	-8.5
143	23	80.816	-156.371	1025.8	-7.7
144	24	80.841	-156.286	1022.6	-7.5
145	25	80.895	-156.353	1021.2	-8.7
146	26	80.967	-156.536	1018.9	-9.1
147	27	81.043	-156.925	1017.8	-8.3
148	28	81.026	-157.519	1015.2	-5.4
149	29	81.002	-157.940	1021.4	-5.8
150	30	80.966	-158.022	1020.4	-7.4
151	31	80.985	-157.925	1018.5	-6.9

Buoy 27

BUOY (27)		LAT	LON	P	T	BUOY (27)		LAT	LON	P	T
JUNE 79		(N)	(+E, -W)	(MB)	(C)	JULY 79		(N)	(+E, -W)	(MB)	(C)
152	1	81.051	-158.072	1007.8	-6.2	182	1	80.458	-154.703	994.0	2.3
153	2	81.055	-158.228	998.0	-2.7	183	2	80.454	-154.509	1004.2	2.7
154	3	80.953	-157.605	1003.6	-4.6	184	3	80.450	-154.316	1008.4	2.6
155	4	80.830	-156.849	1012.9	-5.2	185	4	80.433	-154.135	1013.3	3.0
156	5	80.814	-156.623	1018.2	-1.9	186	5	80.447	-154.117	1013.7	3.8
157	6	80.875	-156.643	1016.6	-3	187	6	80.506	-154.575	1005.1	2.3
158	7	80.939	-157.004	1014.6	-1.1	188	7	80.508	-155.236	1003.9	1.9
159	8	80.980	-157.485	1011.3	-6	189	8	80.441	-155.605	1000.8	1.8
160	9	80.946	-157.206	1015.2	-7	190	9	80.389	-155.607	1001.3	2.3
161	10	80.953	-156.888	1014.9	-4	191	10	80.383	-155.423	1005.0	2.5
162	11	80.953	-157.162	1011.8	.1	192	11	80.417	-155.336	1007.2	2.3
163	12	80.932	-157.710	1013.9	-3.1	193	12	80.420	-155.416	1008.7	3.5
164	13	80.885	-157.677	1014.8	-2.9	194	13	80.424	-155.393	1012.2	4.1
165	14	80.834	-156.784	999.7	-1.1	195	14	80.474	-155.571	1003.9	2.2
166	15	80.759	-156.330	999.0	1.3	196	15	80.472	-155.304	1003.6	2.1
167	16	80.704	-156.225	1010.0	2.6	197	16	80.445	-155.245	1013.0	2.2
168	17	80.699	-156.273	1016.3	3.2	198	17	80.478	-155.187	1006.3	2.2
169	18	80.705	-156.360	1022.0	3.5	199	18	80.458	-154.832	1013.4	2.3
170	19	80.717	-156.280	1022.4	2.4	200	19	80.482	-154.882	1017.0	2.6
171	20	80.731	-156.037	1015.7	1.0	201	20	80.551	-154.489	1010.7	1.9
172	21	80.695	-156.005	1019.1	1.3	202	21	80.500	-154.411	1003.5	1.6
173	22	80.681	-156.011	1020.2	2.0	203	22	80.605	-153.463	1002.0	1.2
174	23	80.712	-156.060	1019.2	1.7	204	23	80.672	-153.152	999.7	1.4
175	24	80.694	-156.452	1024.0	.6	205	24	80.704	-152.911	1011.5	2.1
176	25	80.613	-156.562	1016.7	1.6	206	25	80.705	-152.936	1017.5	3.8
177	26	80.536	-156.553	1014.2	2.6	207	26	80.724	-152.879	1019.6	4.8
178	27	80.476	-156.399	1009.4	2.6	208	27	80.741	-152.759	1021.7	3.1
179	28	80.449	-156.000	999.2	2.5	209	28	80.756	-152.613	1023.5	3.1
180	29	80.453	-155.260	990.7	1.7	210	29	80.611	-152.620	1019.8	2.4
181	30	80.452	-154.833	988.7	2.3	211	30	80.649	-152.714	1018.1	2.5
						212	31	80.868	-152.658	1019.0	2.5

BUOY(27)		LAT	LON	P	T	BUOY(27)		LAT	LON	P	T
AUG. 79		(N)	(+E,-W)	(MB)	(C)	SEPT 79		(N)	(+E,-W)	(Mb)	(C)
213	1	80.917	-152.634	1018.4	2.6	244	1	80.583	-152.460	1022.0	-3.4
214	2	80.964	-152.530	1015.2	2.6	245	2	80.649	-152.769	1022.4	-4.7
215	3	80.966	-152.499	1008.6	2.2	246	3	80.675	-152.996	1019.8	-5.9
216	4	80.983	-152.663	1010.9	2.1	247	4	80.675	-152.887	1024.5	-3.0
217	5	80.932	-152.733	1013.8	2.5	248	5	80.659	-153.189	1027.7	-4.3
218	6	80.868	-152.757	1024.0	4.0	249	6	80.634	-153.390	1026.1	-6.8
219	7	80.877	-152.581	1021.1	3.8	250	7	80.718	-153.450	1010.5	-4.3
220	8	80.863	-152.120	1015.7	1.9	251	8	80.732	-152.980	1008.6	-1.5
221	9	80.864	-152.103	1015.8	1.3	252	9	80.748	-152.186	1000.2	-1.3
222	10	80.839	-151.537	1008.1	.9	253	10	80.664	-151.701	1013.0	-1.6
223	11	80.758	-151.203	1013.1	.2	254	11	80.587	-151.440	1020.8	-1.9
224	12	80.675	-150.817	1016.5	-.5	255	12	80.536	-151.413	1031.3	-1.9
225	13	80.643	-150.632	1018.3	-.3	256	13	80.489	-151.236	1029.7	-2.4
226	14	80.609	-150.392	1017.4	-1.2	257	14	80.491	-150.880	1019.6	-2.8
227	15	80.622	-150.425	1017.6	.2	258	15	80.515	-150.698	1016.5	-2.6
228	16	80.635	-150.656	1016.7	-.9	259	16	80.532	-150.731	1017.6	-2.3
229	17	80.637	-150.802	1020.6	-.1	260	17	80.546	-150.878	1017.6	-2.4
230	18	80.564	-150.616	1015.2	.2	261	18	80.497	-151.172	1005.3	-2.6
231	19	80.537	-150.726	1019.1	1.2	262	19	80.528	-151.524	1011.6	-2.4
232	20	80.532	-150.892	1019.8	1.6	263	20	80.558	-151.942	1022.1	-2.4
233	21	80.553	-150.979	1014.3	1.2	264	21	80.550	-152.125	1019.3	-3.0
234	22	80.550	-151.161	1012.6	1.2	265	22	80.597	-152.367	1015.4	-3.0
235	23	80.529	-151.350	1013.4	.7	266	23	80.667	-152.432	1016.2	-2.8
236	24	80.475	-151.301	1018.7	-.7	267	24	80.701	-152.544	1014.9	-2.8
237	25	80.439	-151.284	1019.6	-.7	268	25	80.729	-152.778	1008.5	-3.0
238	26	80.493	-151.421	1015.7	-2.0	269	26	80.728	-153.090	1018.2	-3.0
239	27	80.529	-151.920	1018.0	-3.6	270	27	80.759	-153.219	1023.2	-3.0
240	28	80.491	-152.229	1012.7	-2.7	271	28	80.794	-153.397	1023.7	-3.0
241	29	80.495	-152.153	1015.6	-2.9	272	29	80.808	-153.477	1027.1	-3.0
242	30	80.508	-152.312	1016.2	-2.1	273	30	80.810	-153.544	1028.4	-3.1
243	31	80.528	-152.321	1016.2	-2.2						

Buoy 27

BUOY(27) OCT. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)	BUOY(27) NOV. 79	LAT (N)	LON (+E,-W)	P (MB)	T (C)		
274	1	80.824	-153.624	1027.2	-3.3	305	1	80.315	-154.079	1026.2	-10.4
275	2	80.818	-153.727	1030.8	-3.5	306	2	80.311	-154.747	1024.7	-11.1
276	3	80.813	-153.754	1032.3	-3.9	307	3	80.308	-155.205	1021.4	-11.6
277	4	80.802	-153.864	1030.2	-3.8	308	4	80.322	-155.713	1015.8	-11.3
278	5	80.800	-154.046	1029.0	-4.0	309	5	80.367	-156.249	1024.1	-11.2
279	6	80.778	-154.402	1025.3	-4.0	310	6	80.360	-156.314	1032.0	-11.0
280	7	80.742	-155.020	1025.0	-4.6	311	7	80.348	-156.537	1031.3	-10.6
281	8	80.704	-155.364	1023.3	-5.4	312	8	80.333	-156.729	1037.1	-10.6
282	9	80.645	-155.516	1014.3	-6.5	313	9	80.306	-157.100	1031.4	-11.1
283	10	80.650	-155.331	1016.0	-6.5	314	10	80.298	-157.423	1031.7	-11.6
284	11	80.659	-155.525	1016.0	-6.5	315	11	80.289	-157.586	1026.4	-11.9
285	12	80.575	-155.829	1019.6	-6.8	316	12	80.295	-157.466	1020.3	-12.2
286	13	80.530	-155.900	1028.6	-6.9	317	13	80.335	-157.072	1010.5	-12.1
287	14	80.475	-156.175	1027.6	-6.5	318	14	80.348	-156.781	1004.1	-12.5
288	15	80.386	-156.411	1025.7	-6.9	319	15	80.363	-156.650	996.9	-12.7
289	16	80.330	-156.485	1023.6	-7.1	320	16	80.386	-156.686	997.7	-12.5
290	17	80.317	-156.464	1022.2	-7.4	321	17	80.398	-156.803	998.8	-12.5
291	18	80.308	-156.341	1025.5	-8.1	322	18	80.392	-157.024	1006.5	-12.9
292	19	80.327	-156.313	1024.5	-7.9	323	19	80.369	-157.253	1007.6	-13.1
293	20	80.330	-156.355	1023.8	-7.8	324	20	80.255	-157.685	991.5	-13.3
294	21	80.317	-156.367	1024.8	-8.2	325	21	80.170	-157.833	992.3	-12.4
295	22	80.284	-155.963	1020.5	-10.2	326	22	80.116	-157.676	999.5	-12.6
296	23	80.231	-155.717	1023.6	-10.5	327	23	80.080	-157.387	1005.5	-14.1
297	24	80.198	-155.516	1022.5	-10.1	328	24	80.070	-157.066	1015.3	-15.8
298	25	80.154	-155.445	1019.0	-9.7	329	25	80.142	-157.411	1001.8	-14.2
299	26	80.125	-155.419	1014.8	-10.1	330	26	80.307	-158.085	1000.2	-12.5
300	27	80.092	-155.098	1012.8	-12.1	331	27	80.393	-158.176	1011.6	-11.7
301	28	80.110	-154.461	1009.5	-13.2	332	28	80.457	-158.032	1010.5	-11.5
302	29	80.172	-153.932	1010.1	-13.2	333	29	80.517	-157.680	1013.2	-11.9
303	30	80.248	-153.687	1014.1	-11.8	334	30	80.534	-157.440	1010.5	-13.1
304	31	80.300	-153.556	1025.8	-10.6						

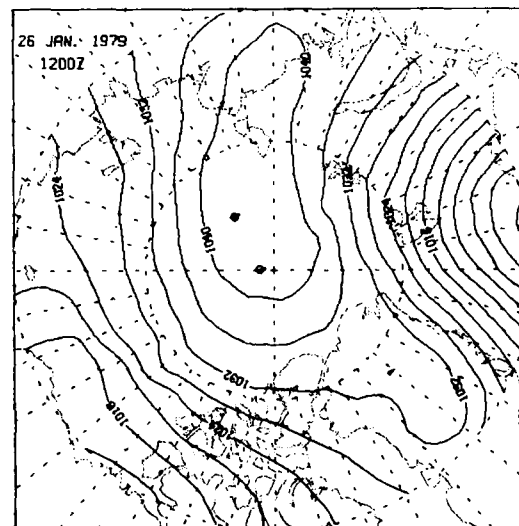
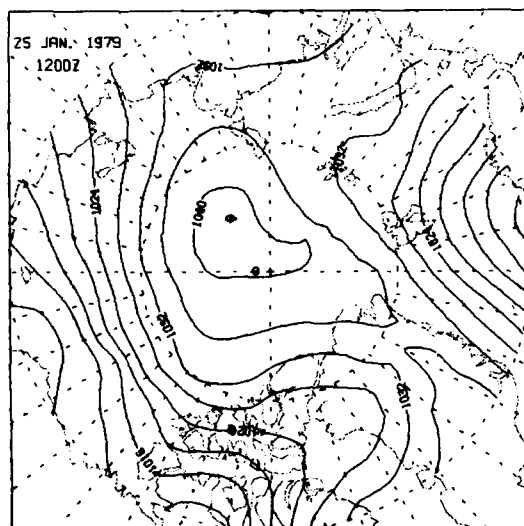
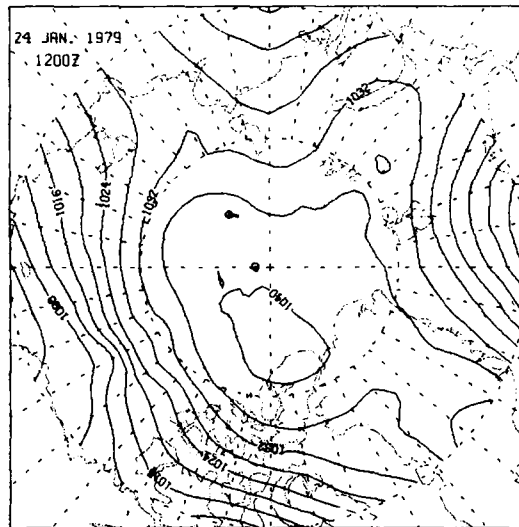
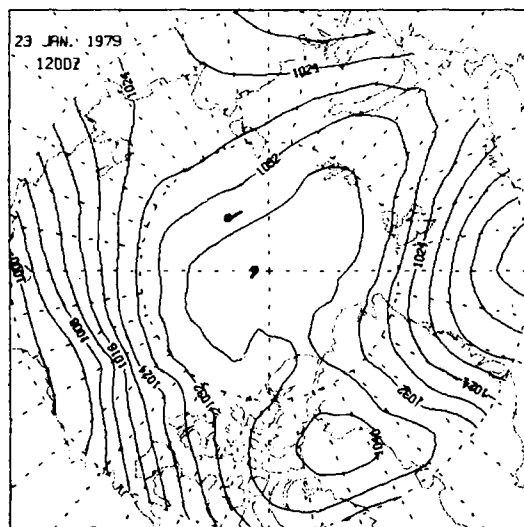
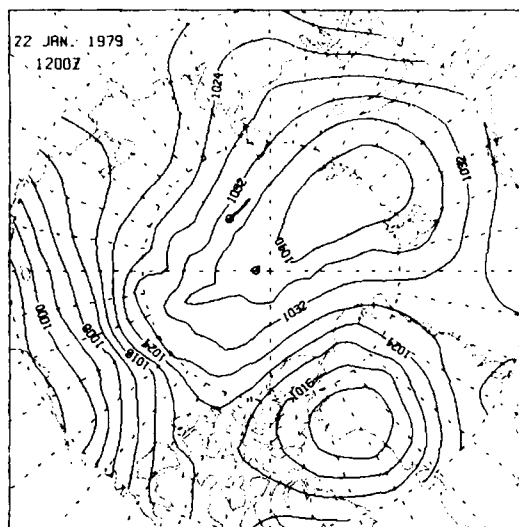
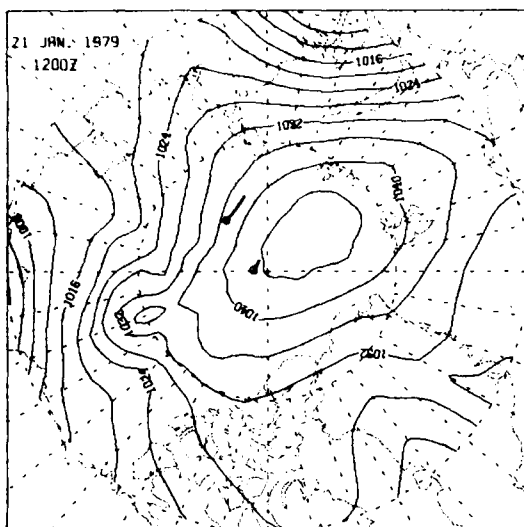
BUOY(27) DEC. 79		LAT (N)	LON (+E-W)	P (MB)	T (C)
335	1	80.539	-157.405	1014.5	-14.3
336	2	80.555	-157.484	1018.1	-14.5
337	3	80.607	-157.558	1014.1	-14.2
338	4	80.698	-157.909	1002.9	-13.6
339	5	80.775	-158.368	1005.4	-13.3
340	6	80.785	-158.554	1005.5	-13.5
341	7	80.778	-158.597	1013.7	-14.1
342	8	80.758	-158.640	1014.9	-14.6
343	9	80.719	-158.616	1016.7	-14.8
344	10	80.668	-158.584	1015.4	-15.3
345	11	80.597	-158.345	1022.3	-16.3
346	12	80.623	-157.866	1013.4	-16.6
347	13	80.653	-157.504	1002.9	-15.9
348	14	80.628	-157.412	1010.6	-16.4
349	15	80.636	-157.413	1012.7	-16.9
350	16	80.622	-157.354	1019.8	-17.0
351	17	80.610	-157.290	1010.2	-16.6
352	18	80.559	-157.428	1007.5	-16.3
353	19	80.557	-157.579	1009.9	-15.7
354	20	80.558	-157.600	1010.5	-16.1
355	21	80.554	-157.446	1010.4	-16.2
356	22	80.552	-157.071	1011.6	-16.6
357	23	80.566	-156.746	1016.0	-17.2
358	24	80.565	-156.615	1014.8	-17.3
359	25	80.564	-156.581	1012.4	-17.1
360	26	80.558	-156.597	1008.1	-16.7
361	27	80.549	-156.579	1009.2	-16.8
362	28	80.546	-156.543	1020.4	-17.7
363	29	80.541	-156.479	1032.5	-18.1
364	30	80.542	-156.439	1040.3	-17.8
365	31	80.391	-155.942	1044.0	-17.6

Graphical Data

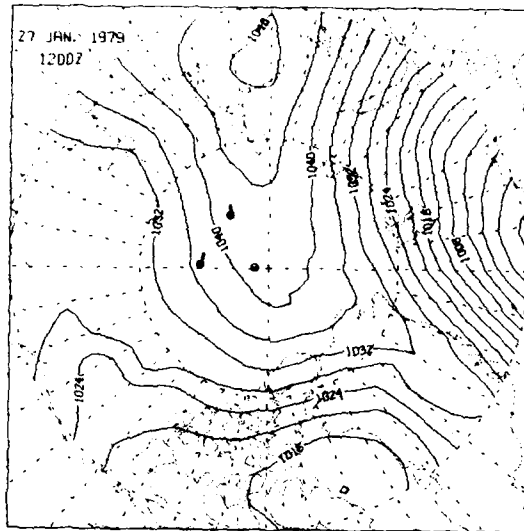
The plots show contours of surface pressure at 1200 GMT. The daily displacement of each buoy is indicated by a vector originating at the symbol o which marks the position of each buoy at the beginning of each day. A vector of length 1 cm corresponds to a displacement of 20 km. Vectors terminating in the symbol x denote displacements larger than 20 km. Buoy positions and displacements are not plotted when the data did not permit good displacement estimates. (See 30 June for example.) Usually the pressure measurements were still reliable at these times and were used to construct the pressure field.

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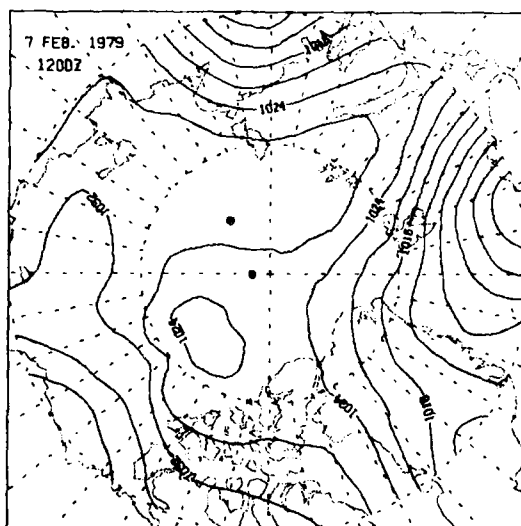
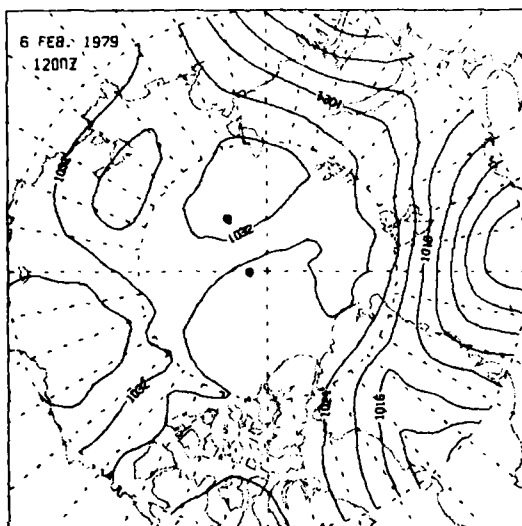
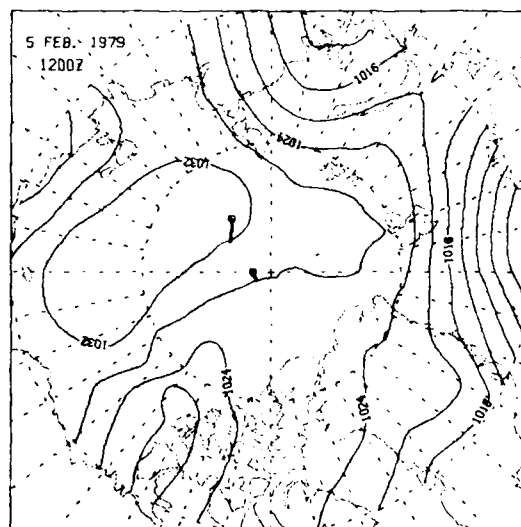
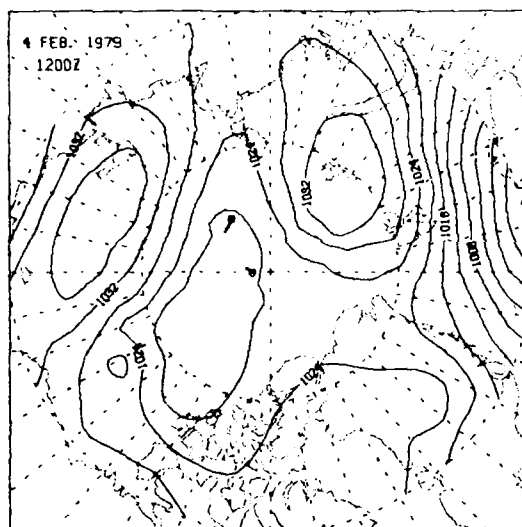
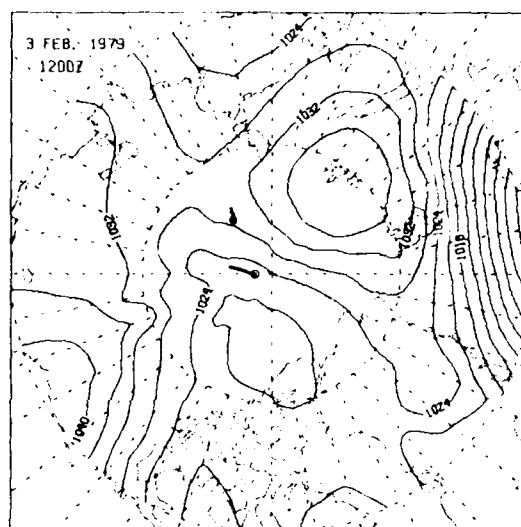
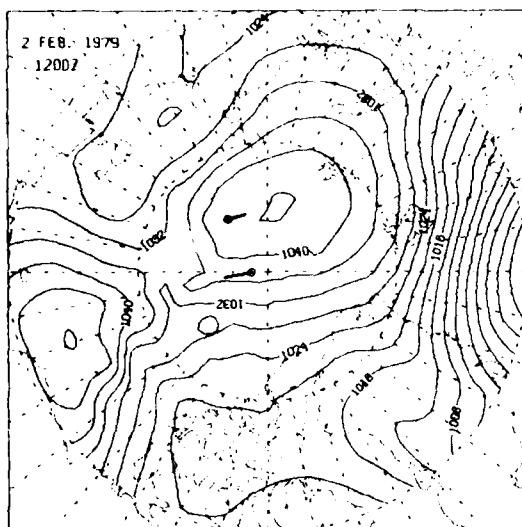
21 JAN-26 JAN



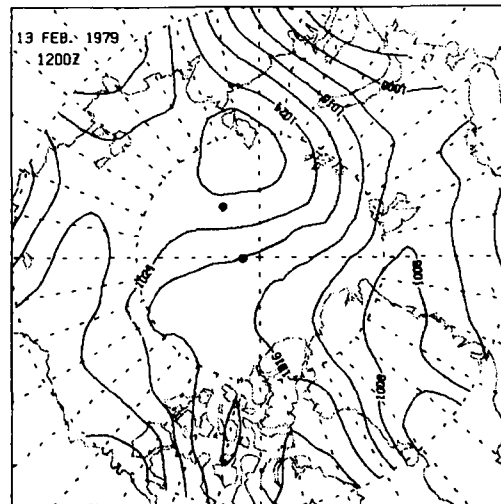
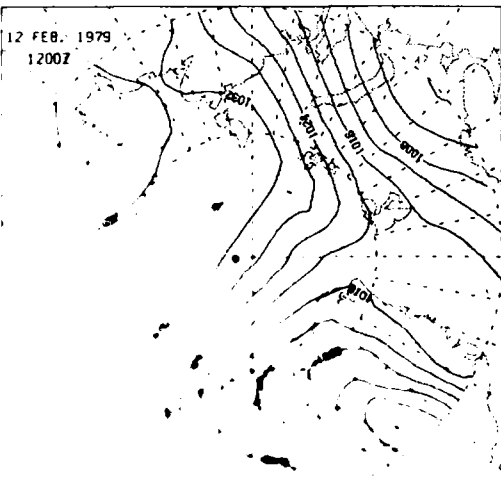
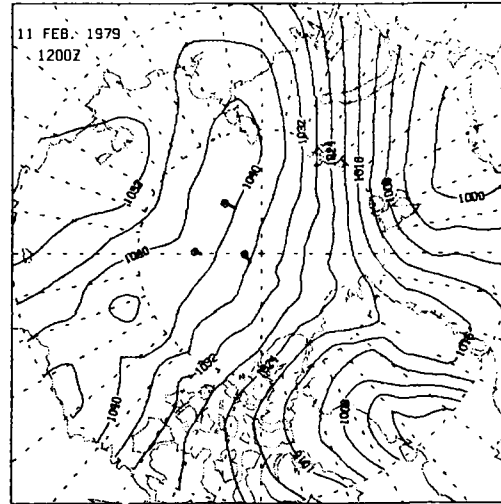
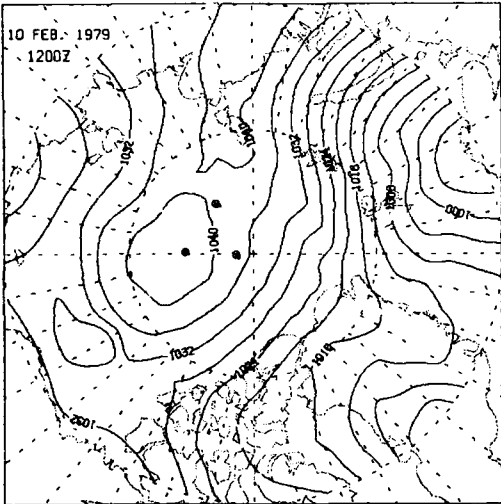
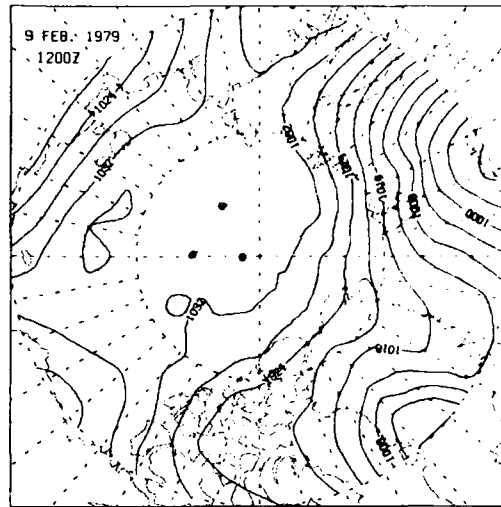
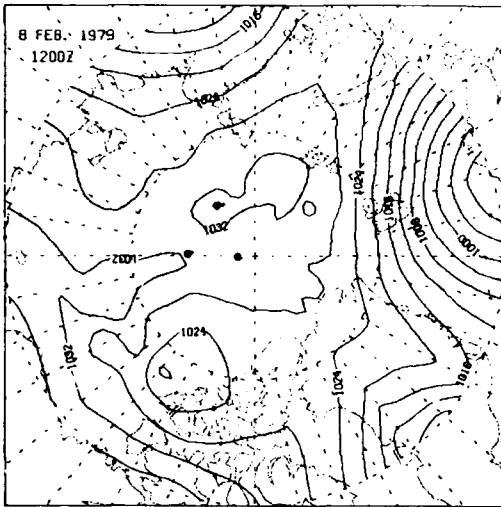
27 JAN-1 FEB



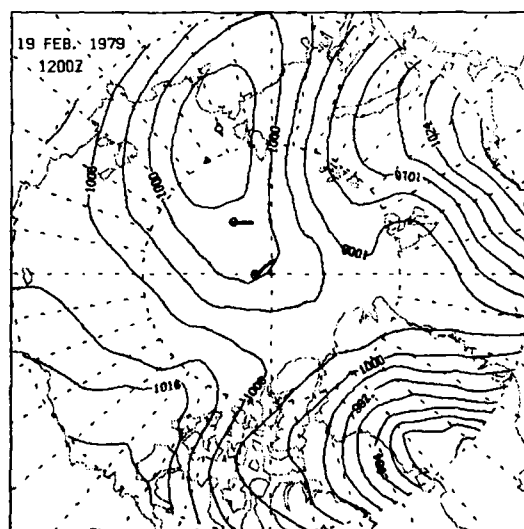
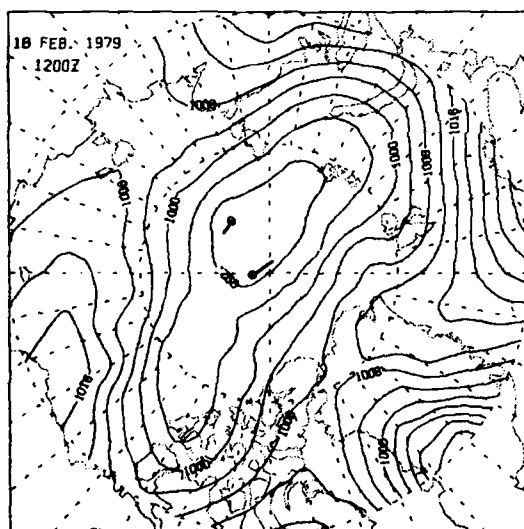
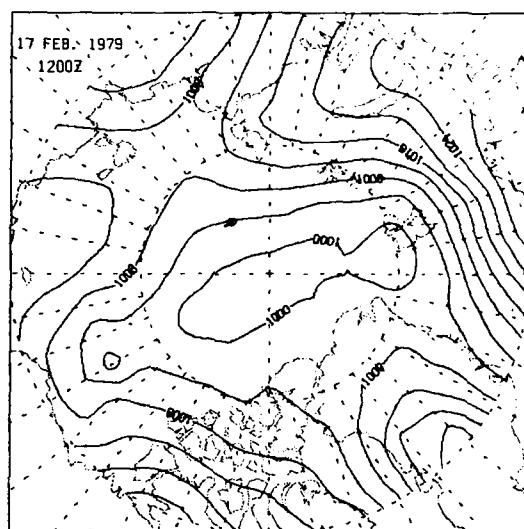
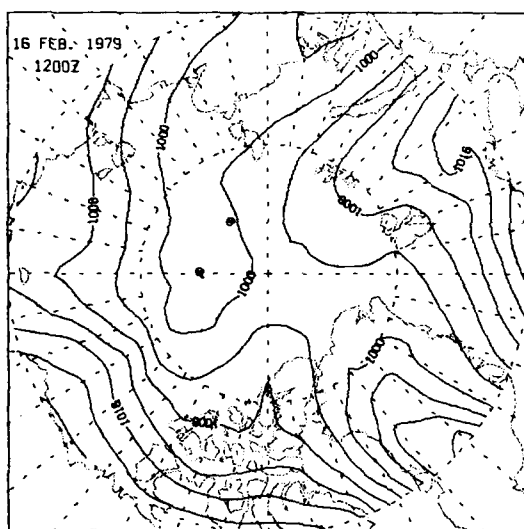
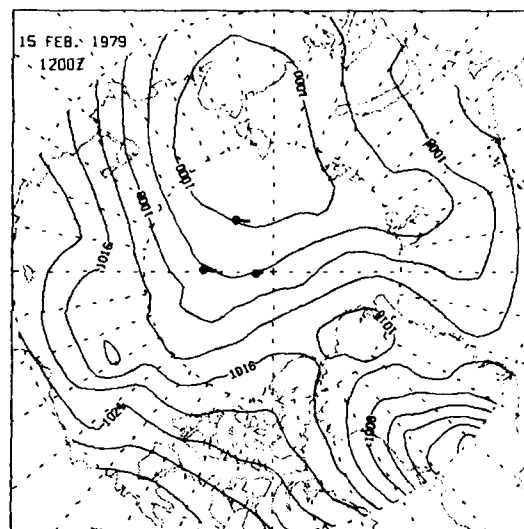
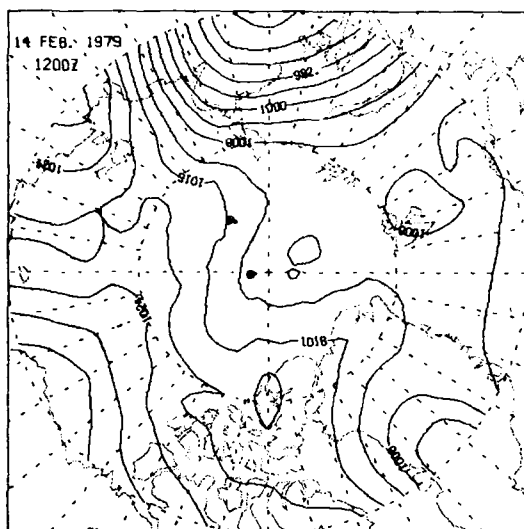
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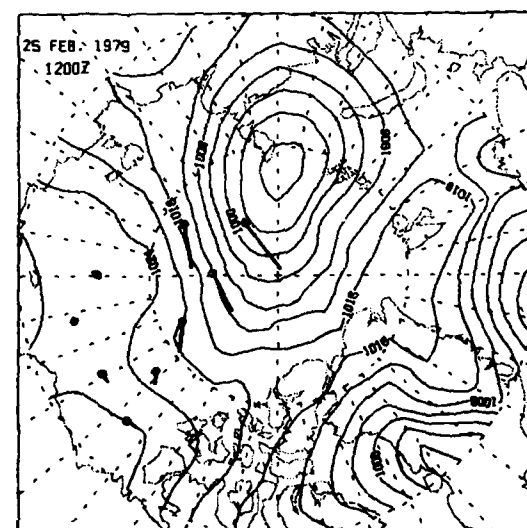
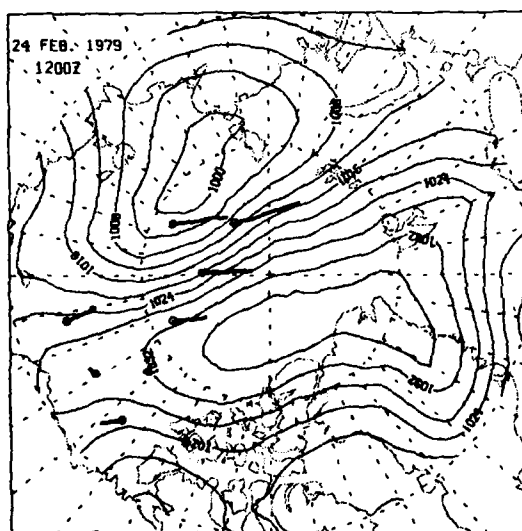
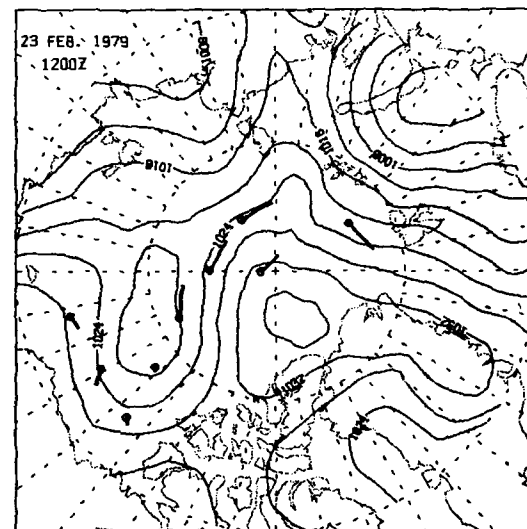
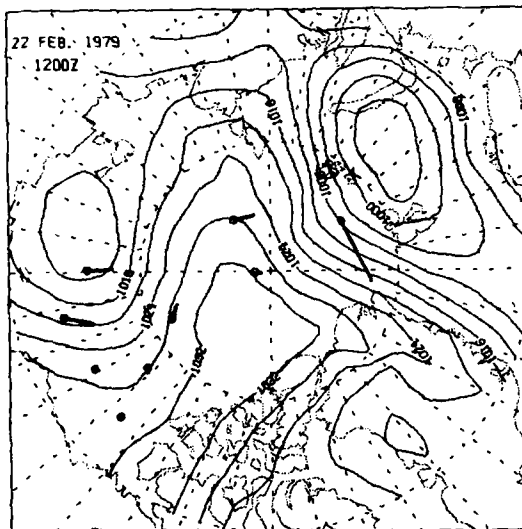
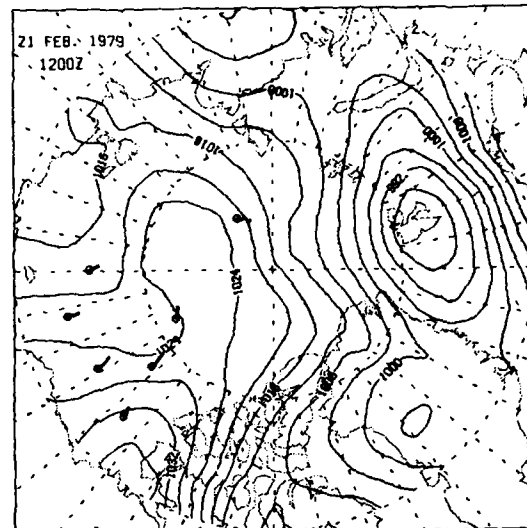
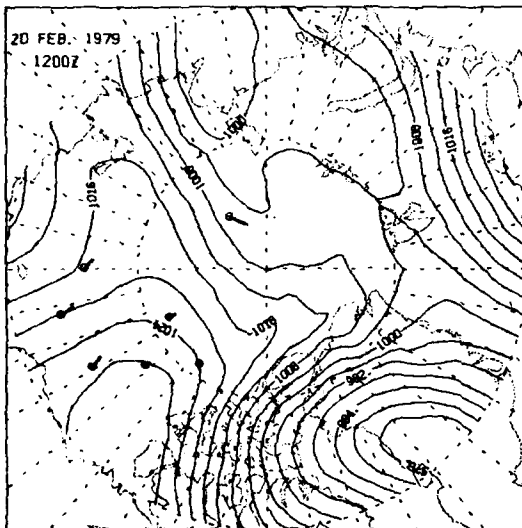
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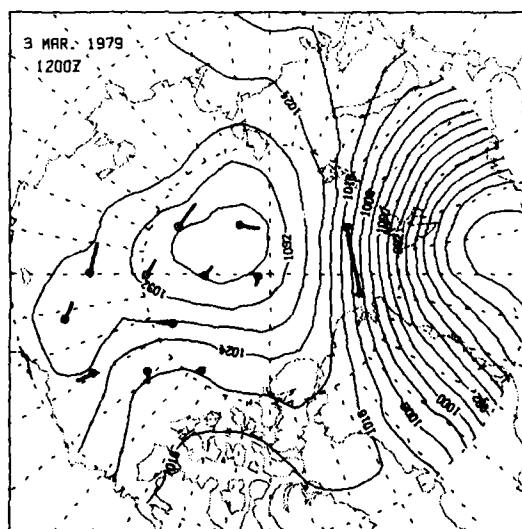
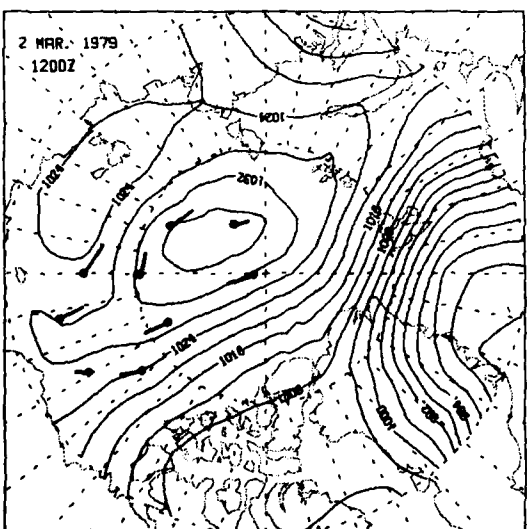
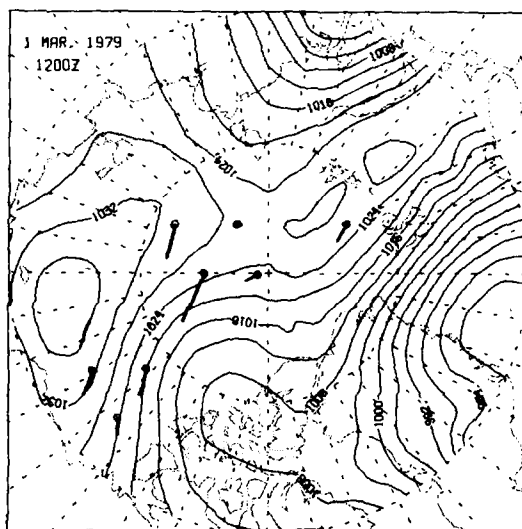
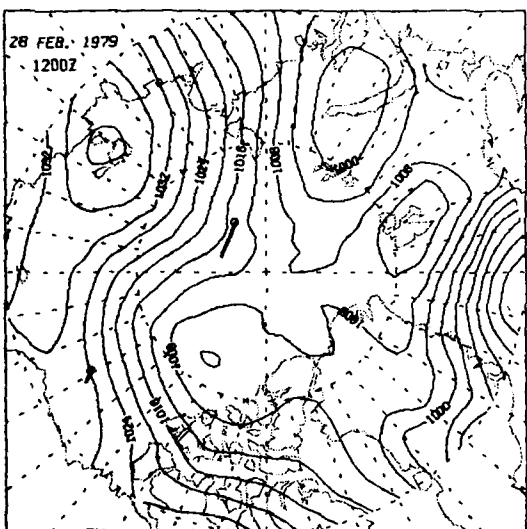
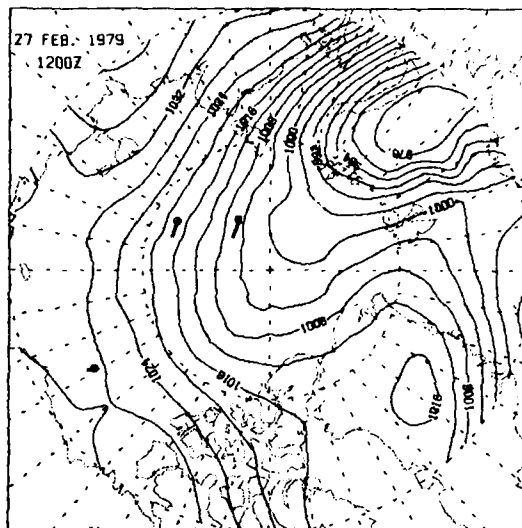
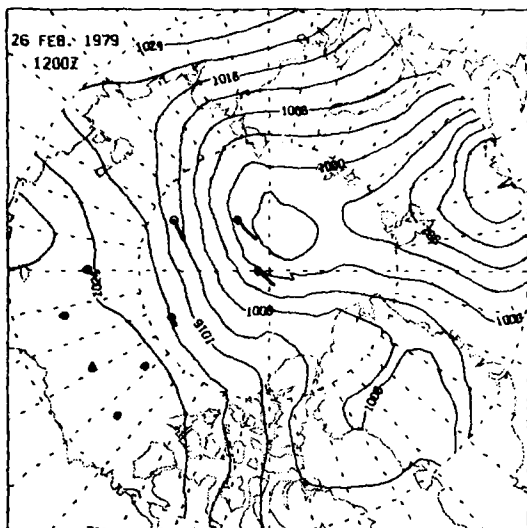
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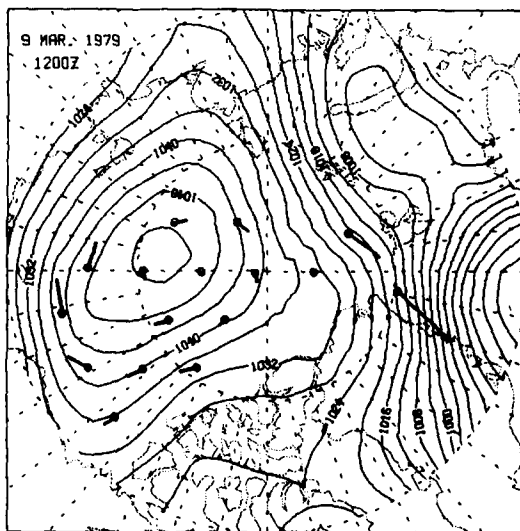
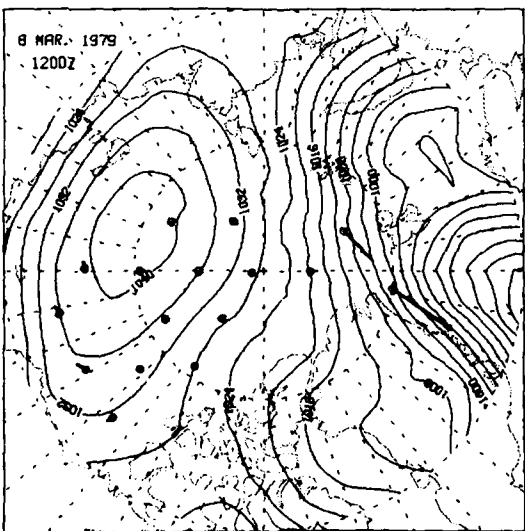
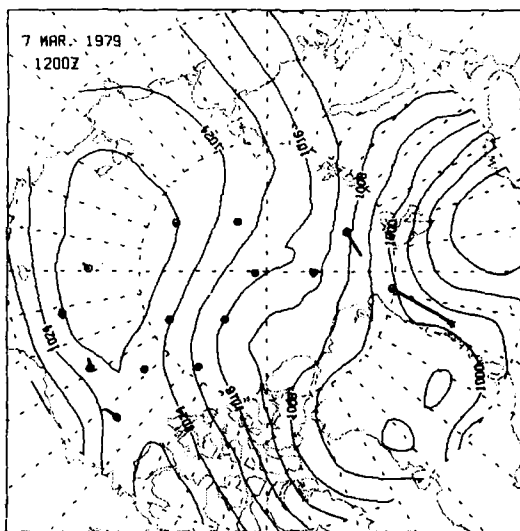
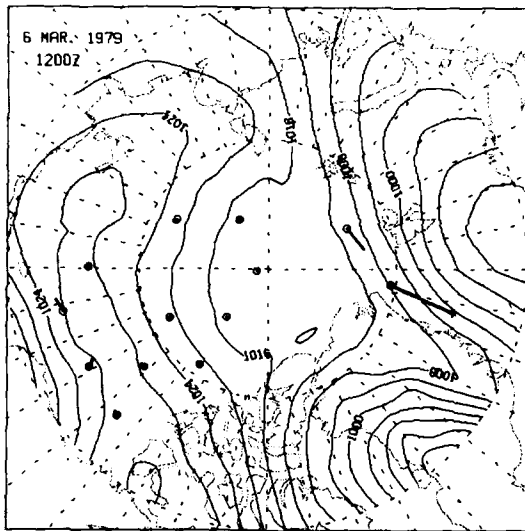
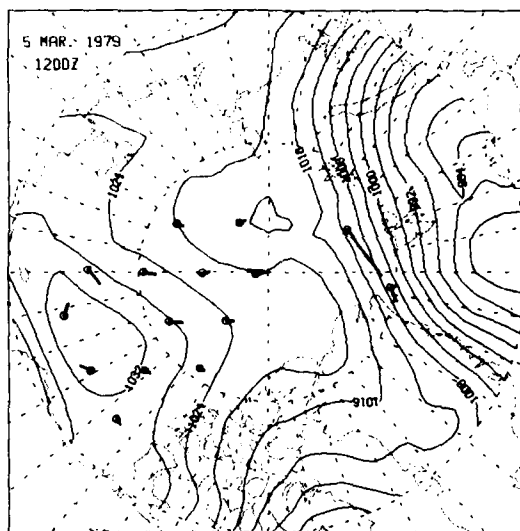
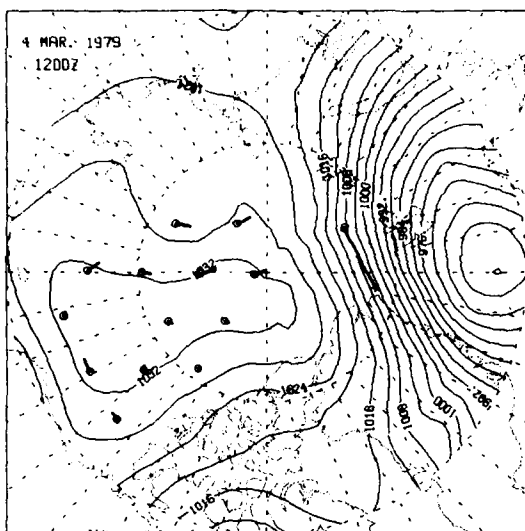
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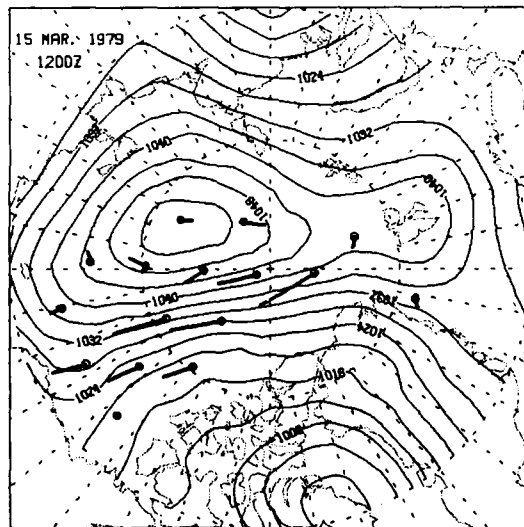
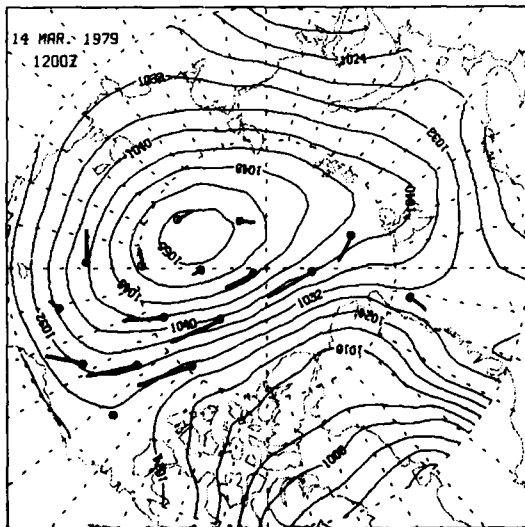
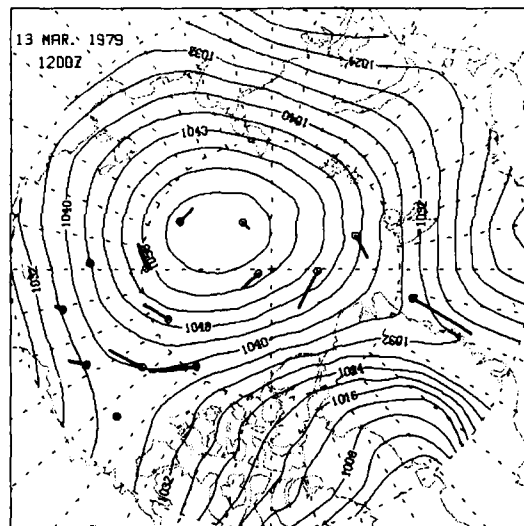
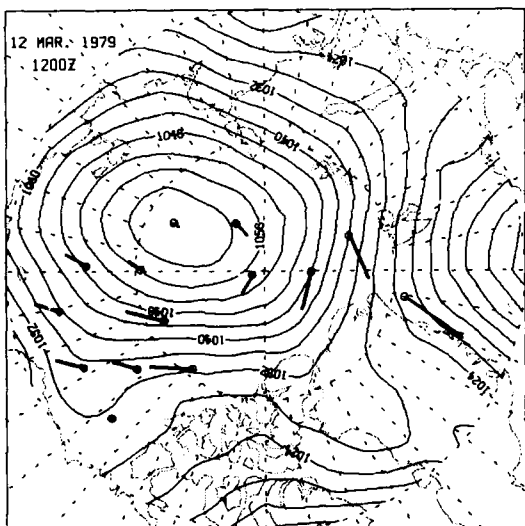
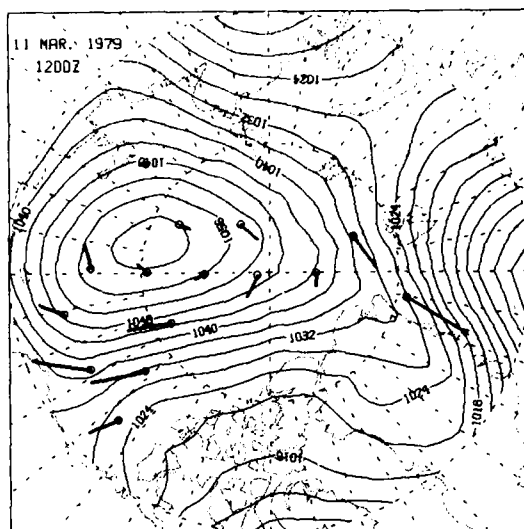
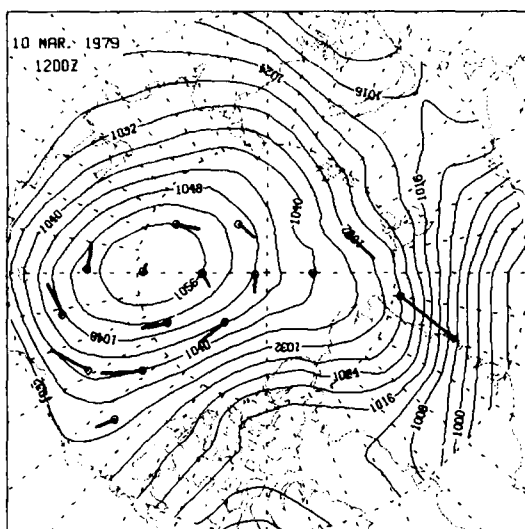
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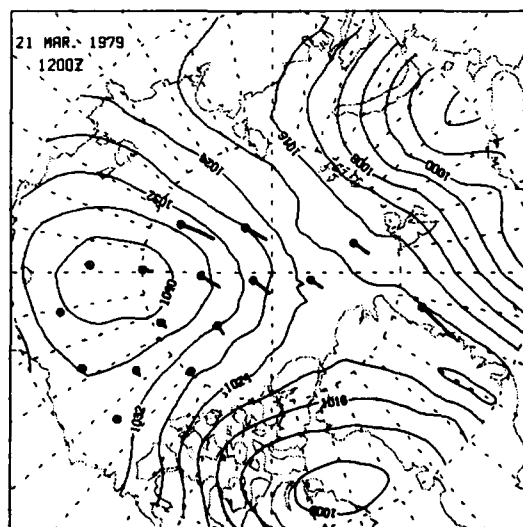
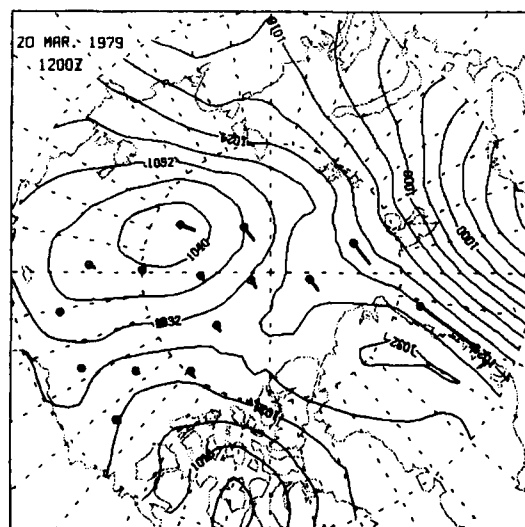
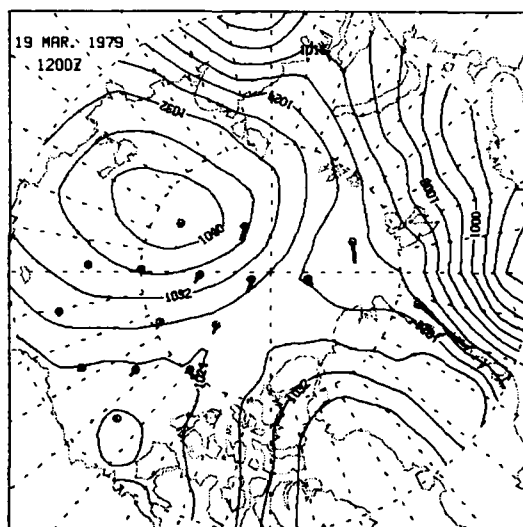
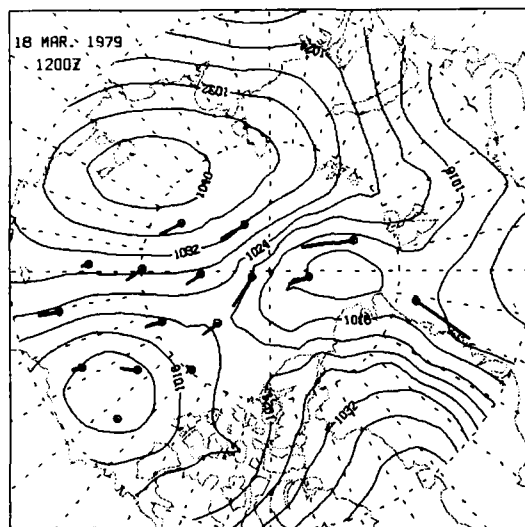
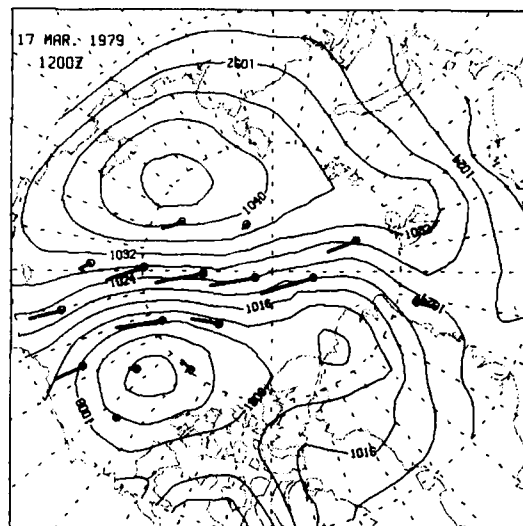
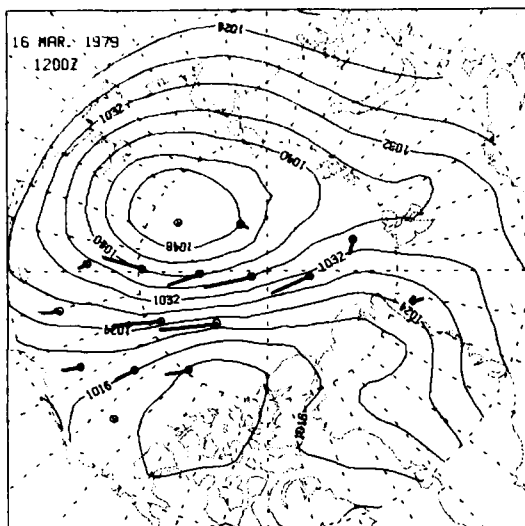


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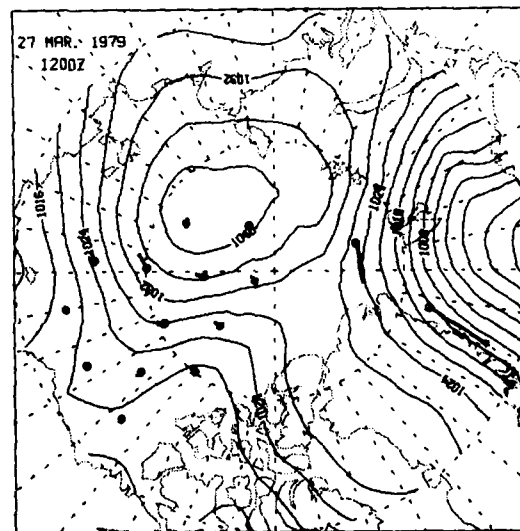
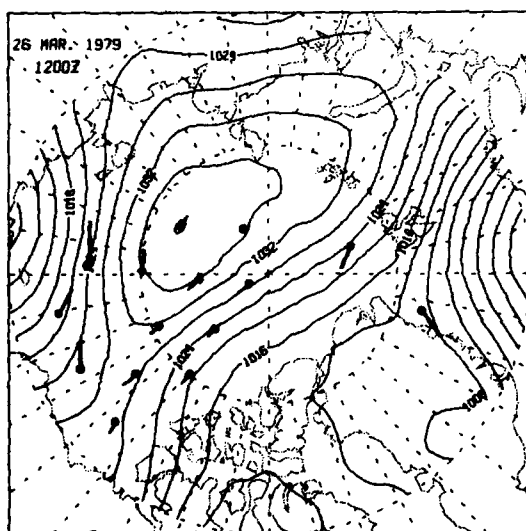
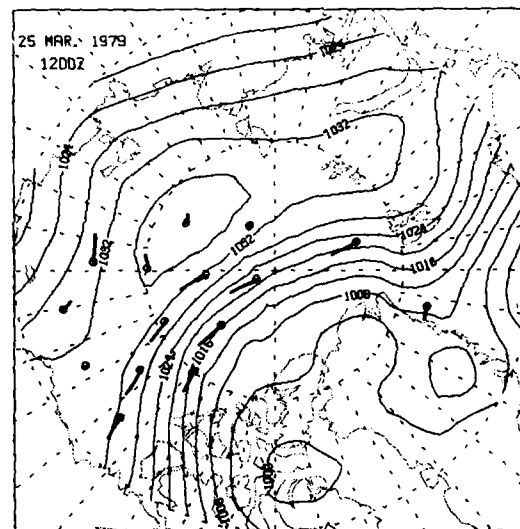
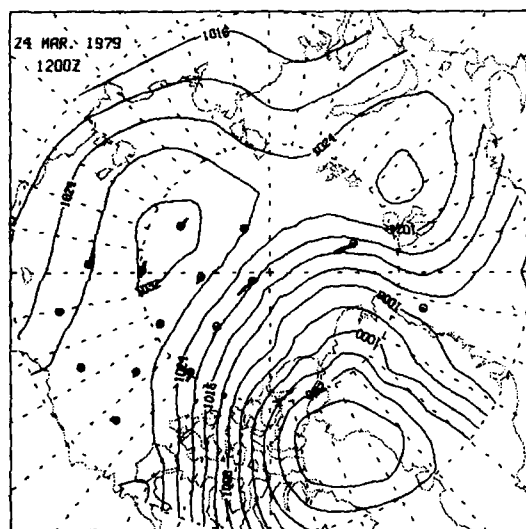
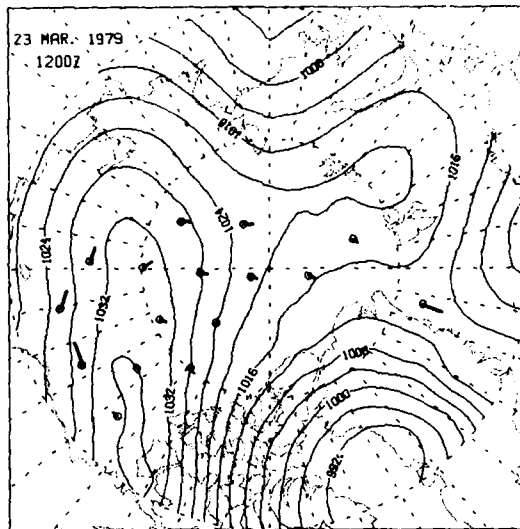
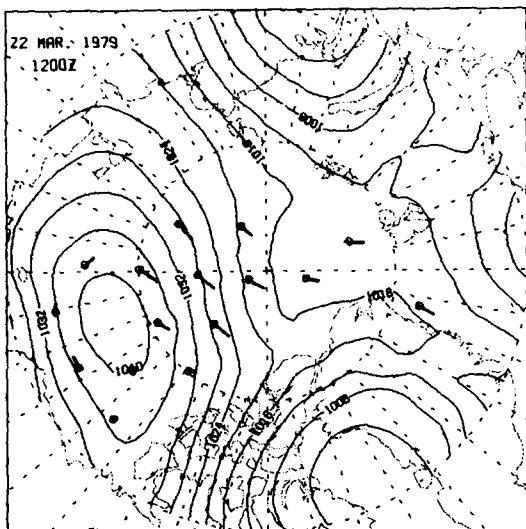


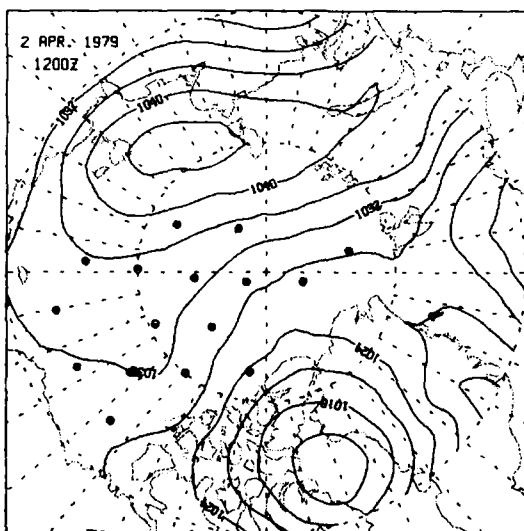
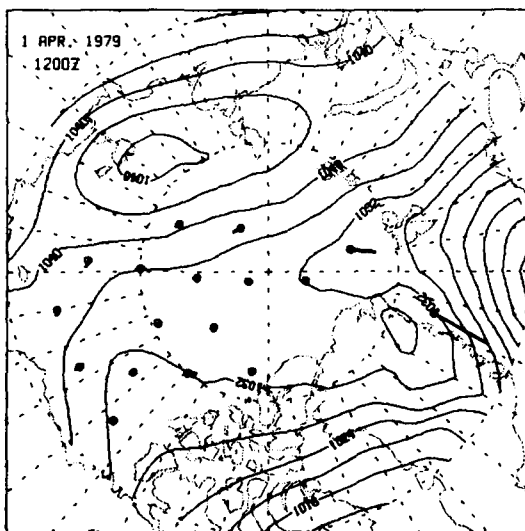
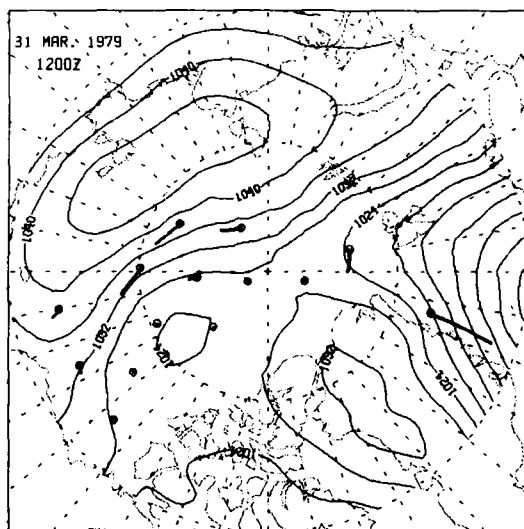
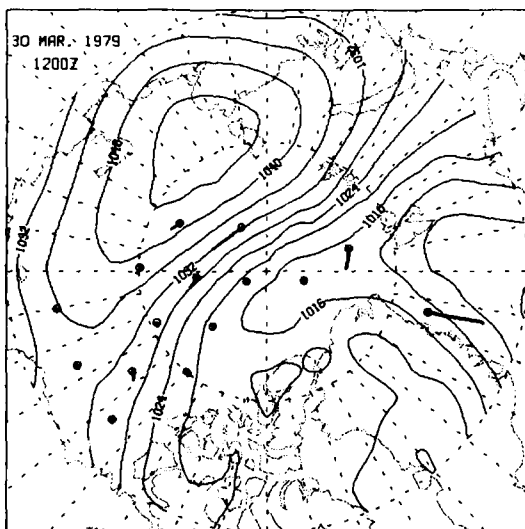
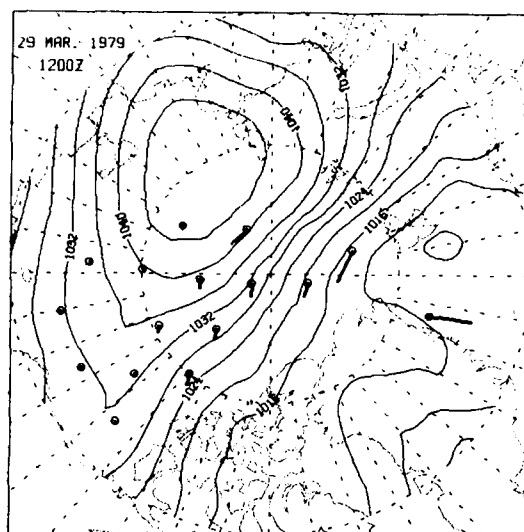
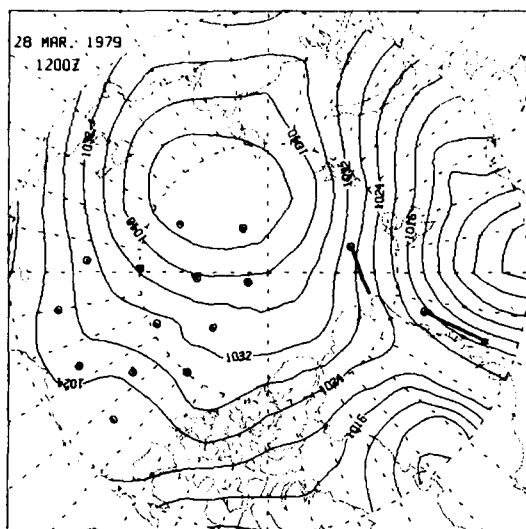
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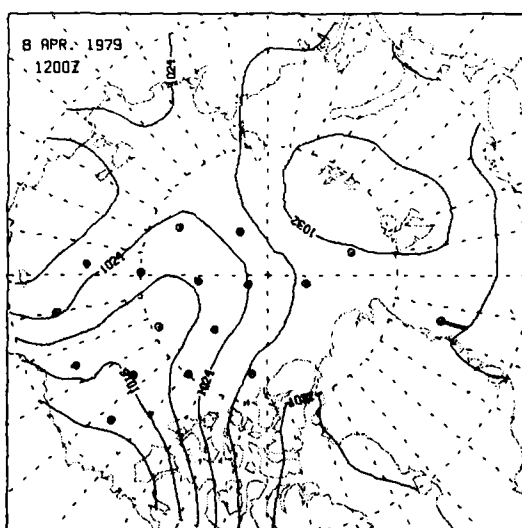
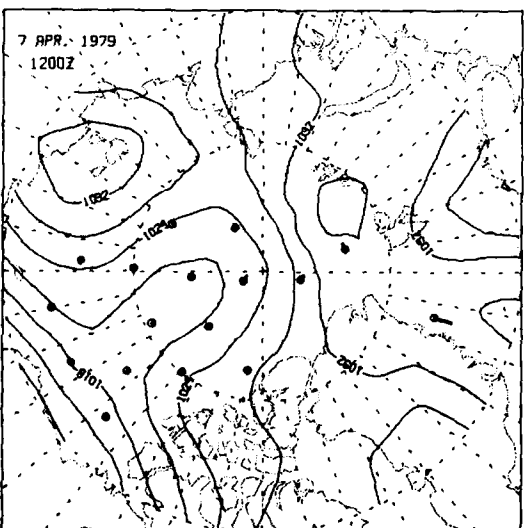
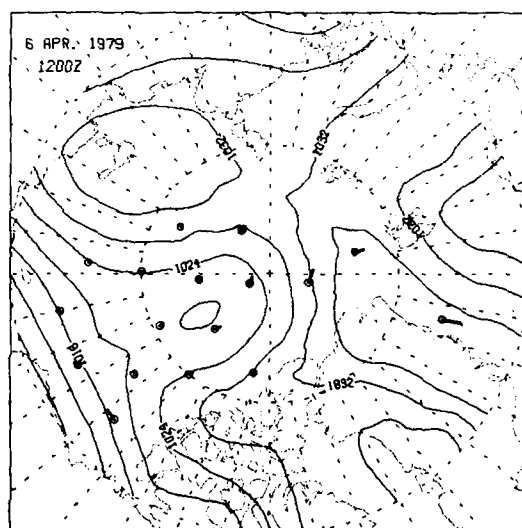
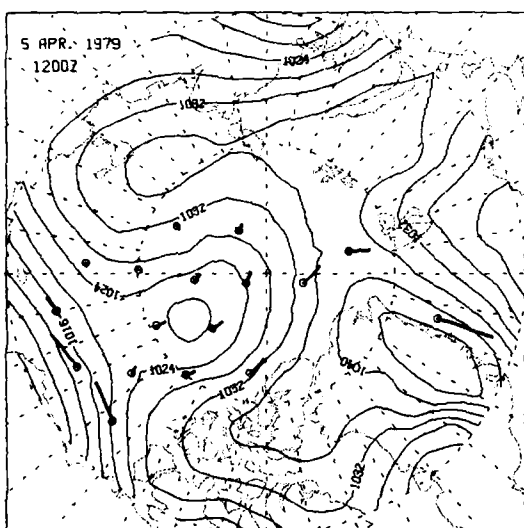
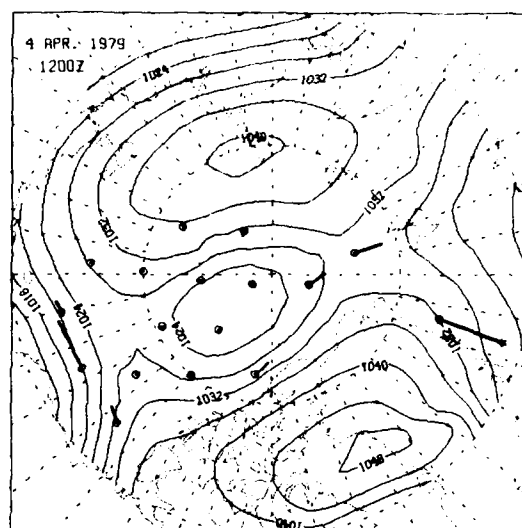
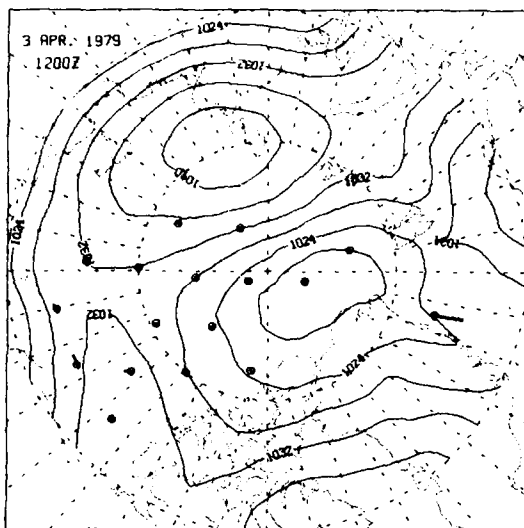


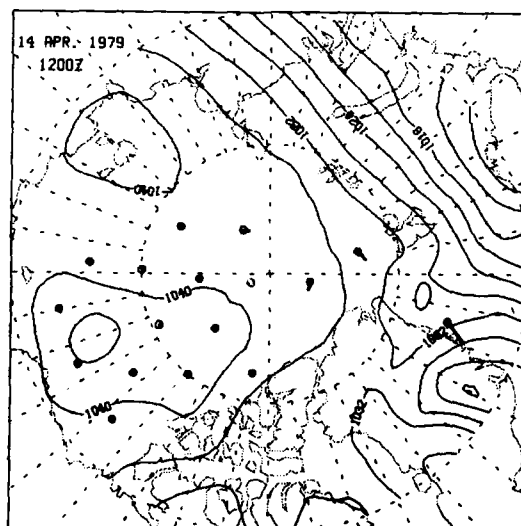
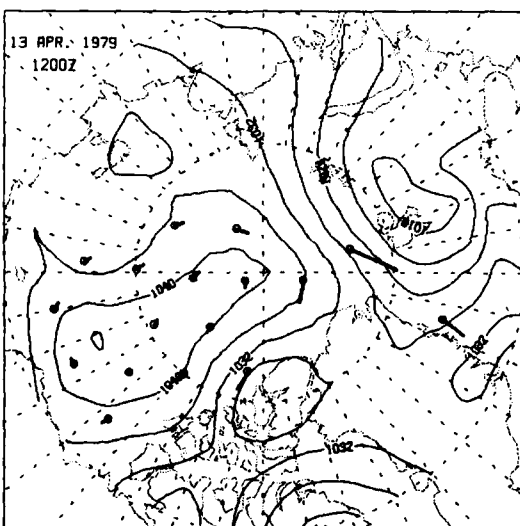
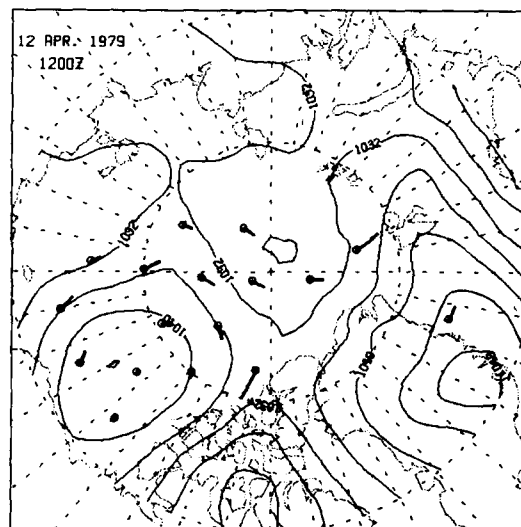
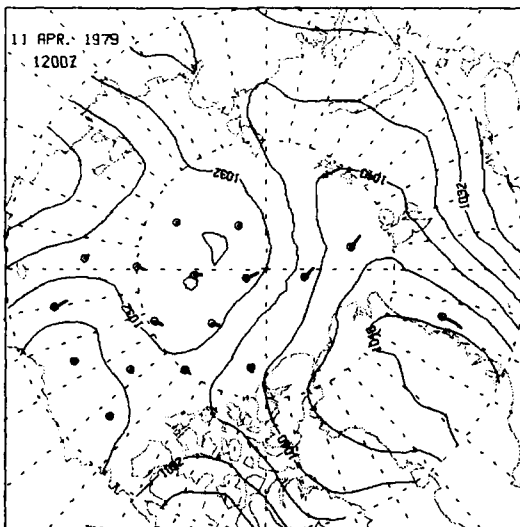
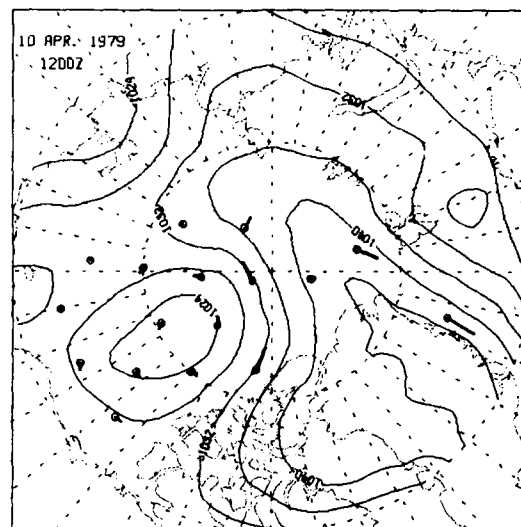
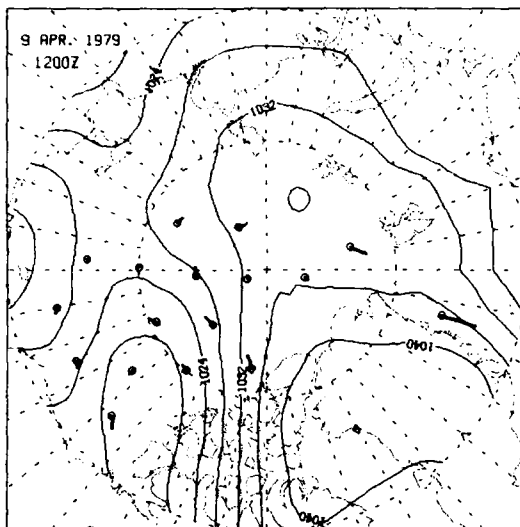
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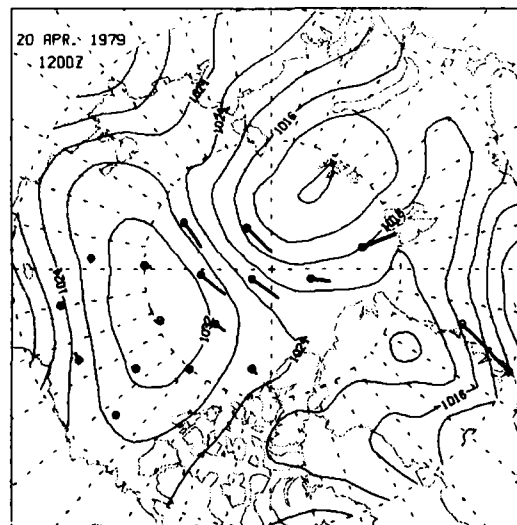
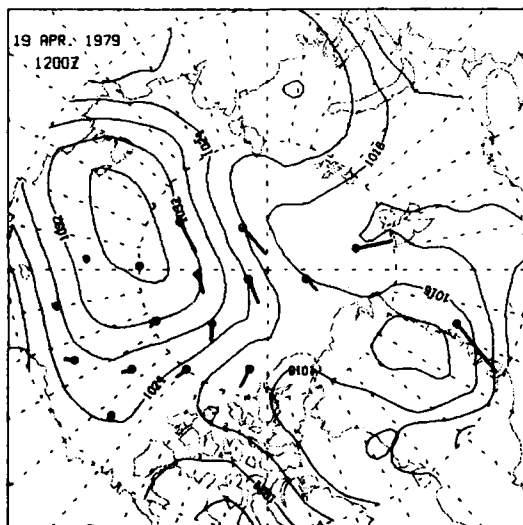
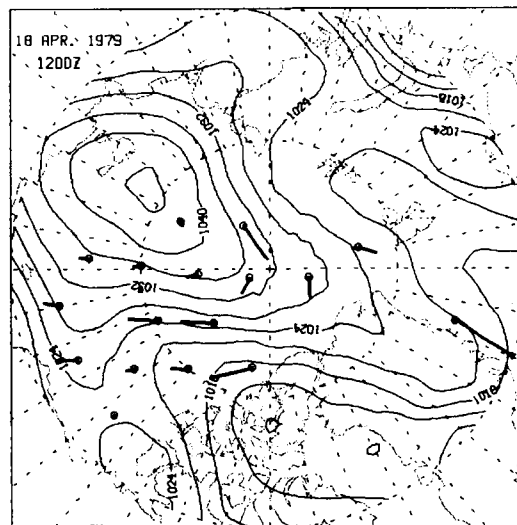
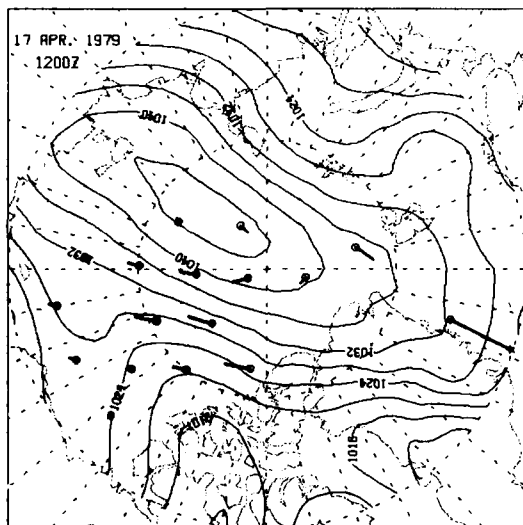
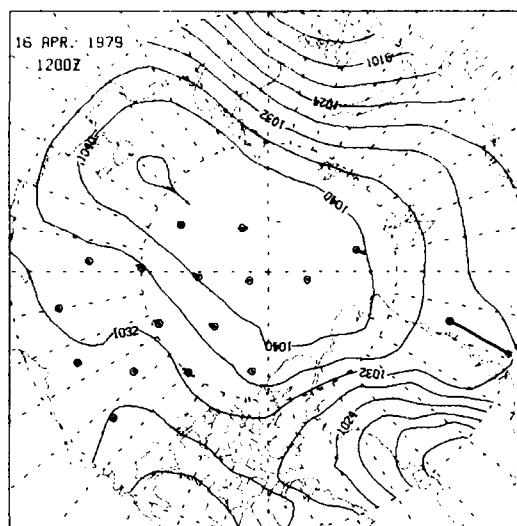
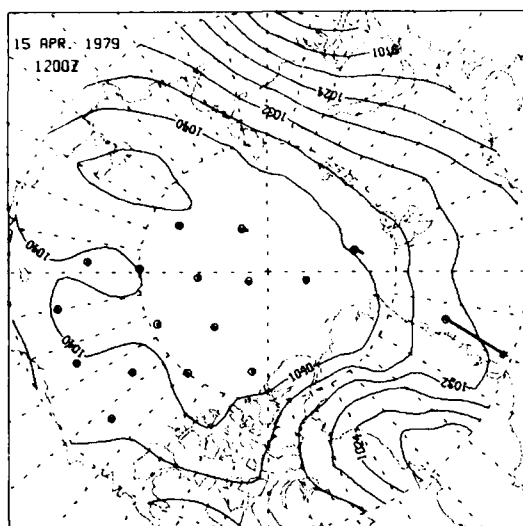


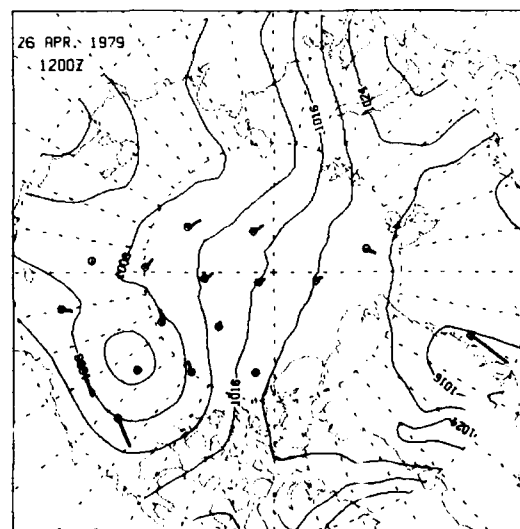
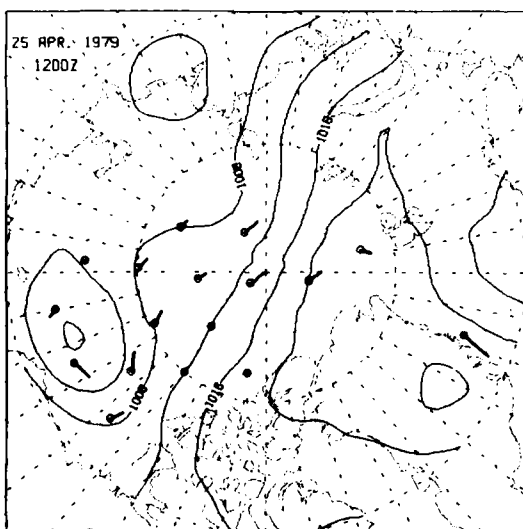
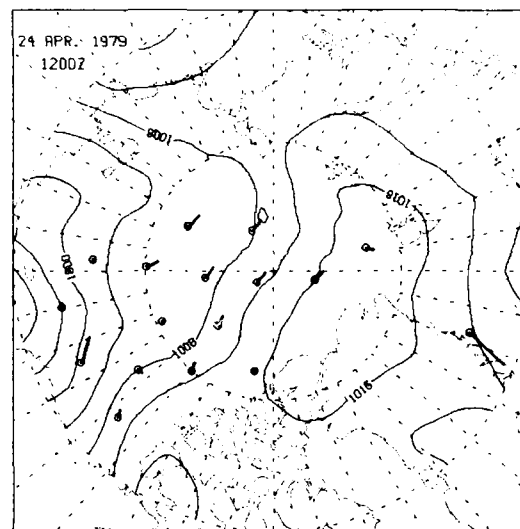
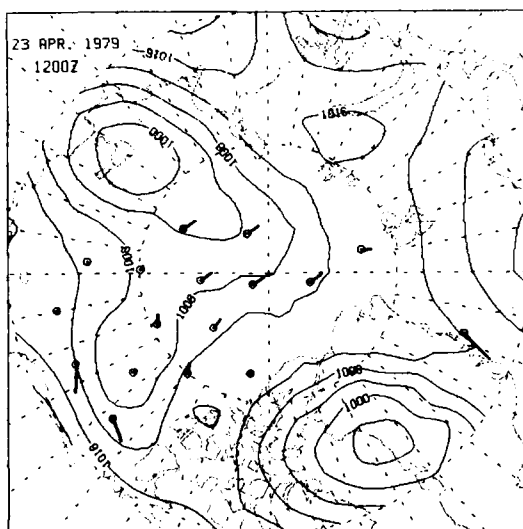
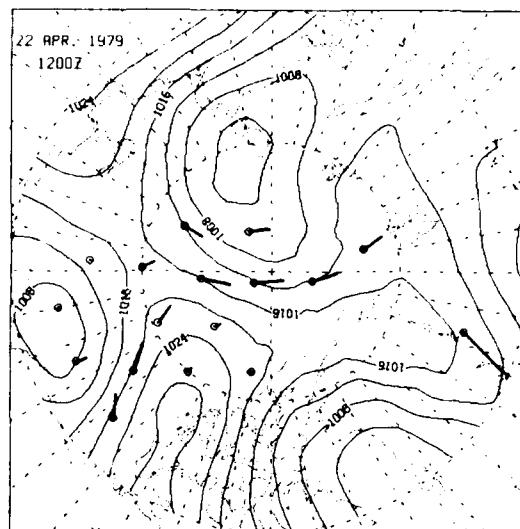
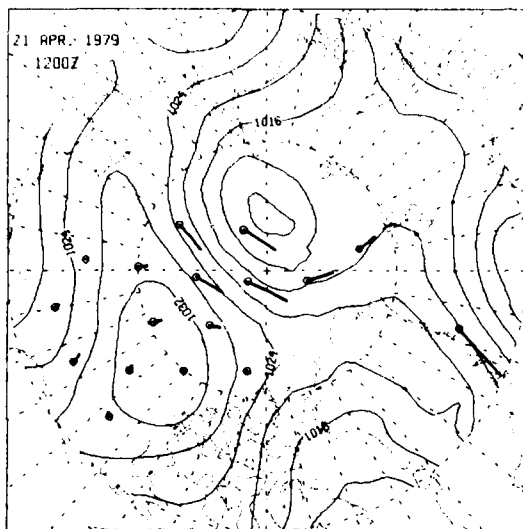
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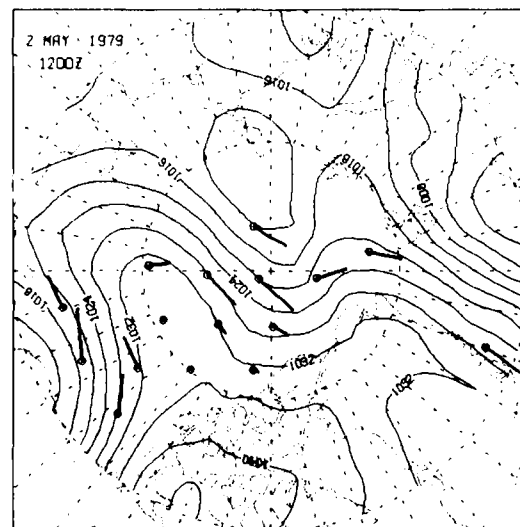
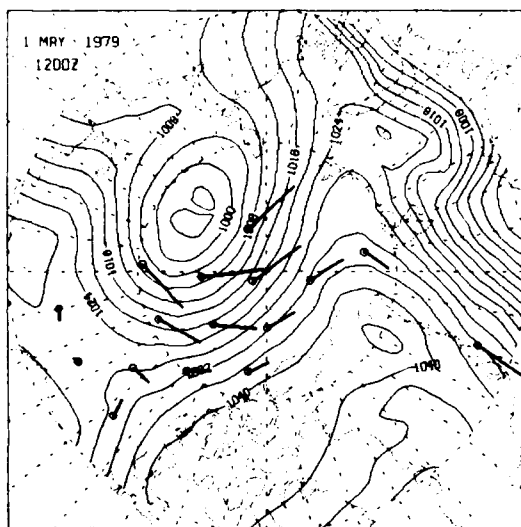
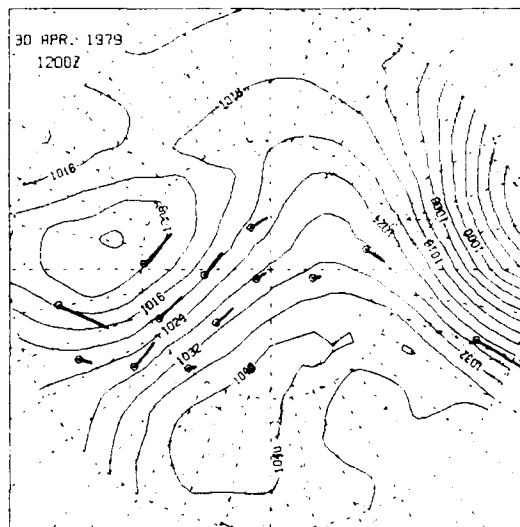
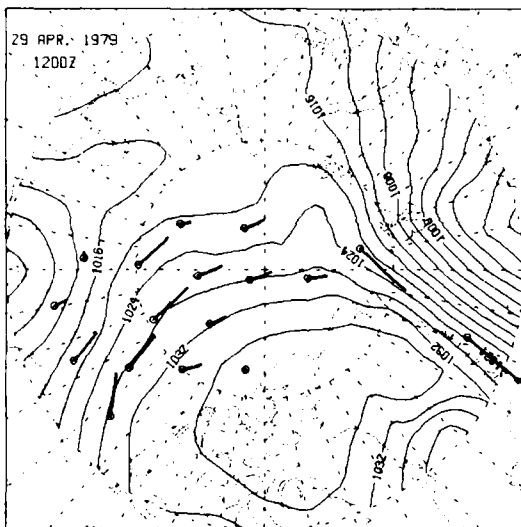
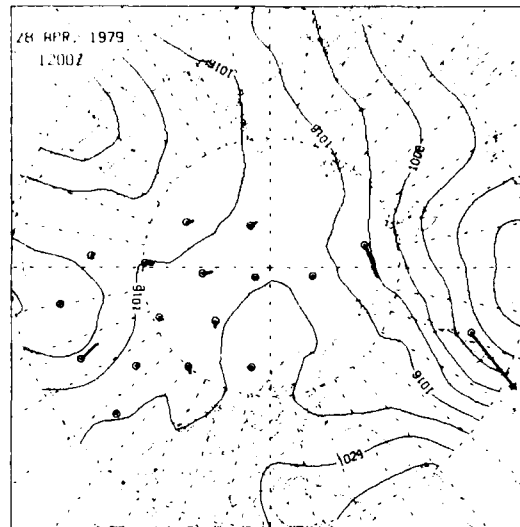
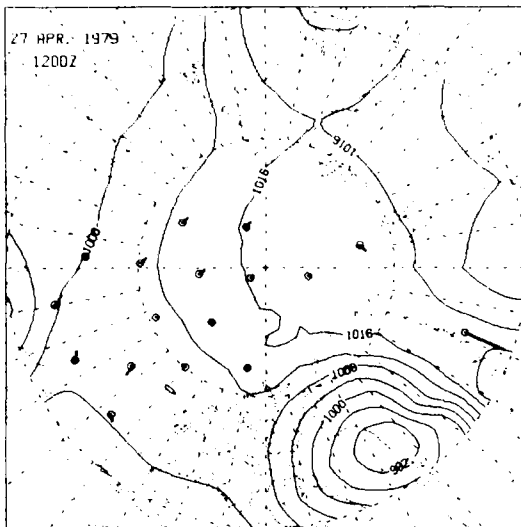


15 APR-20 APR





27 APR-2 MAY



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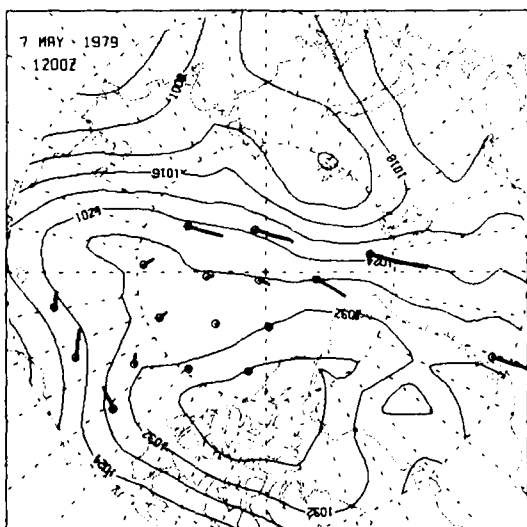
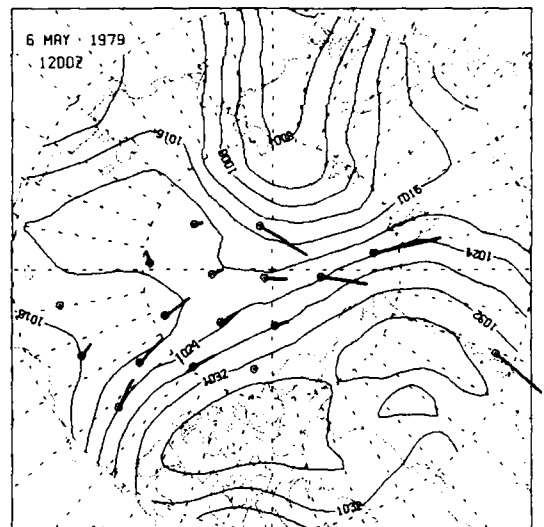
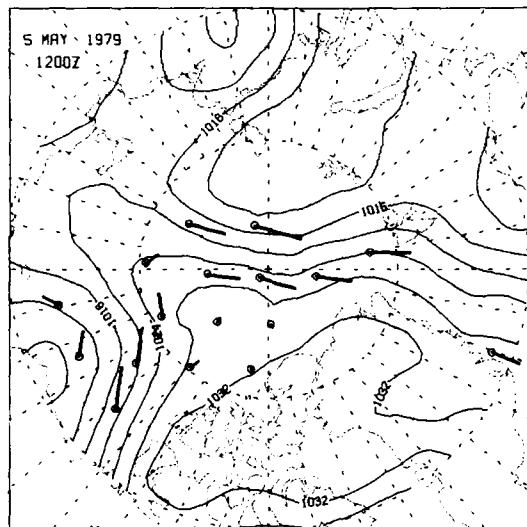
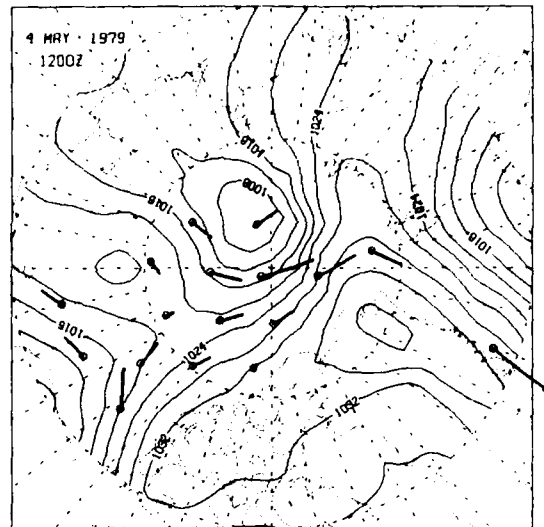
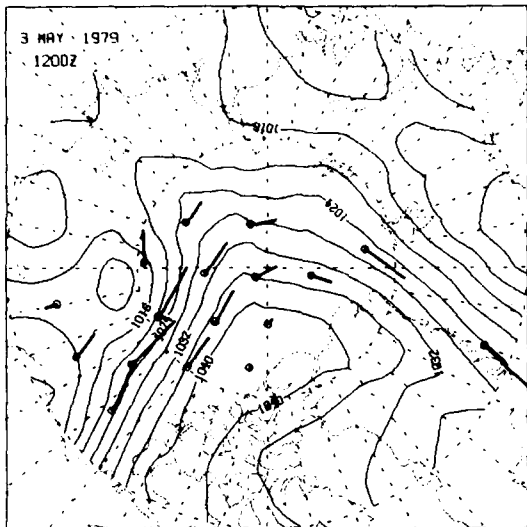
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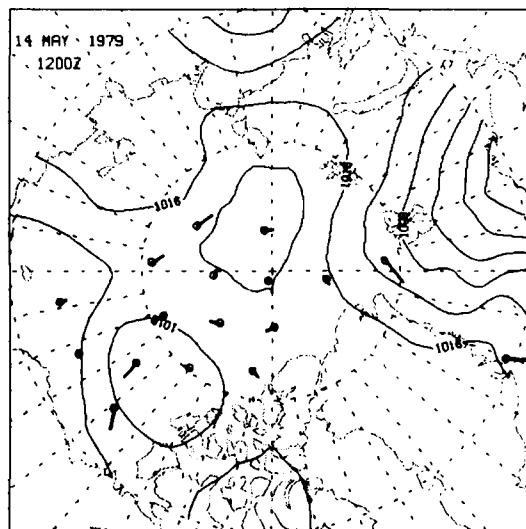
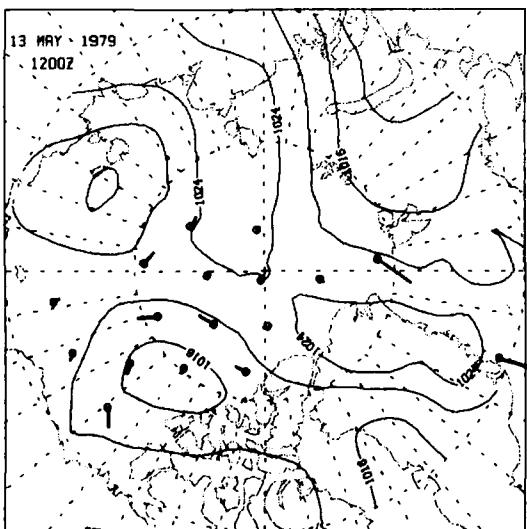
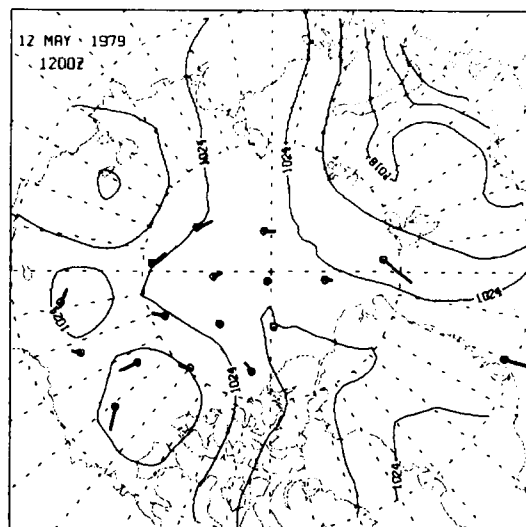
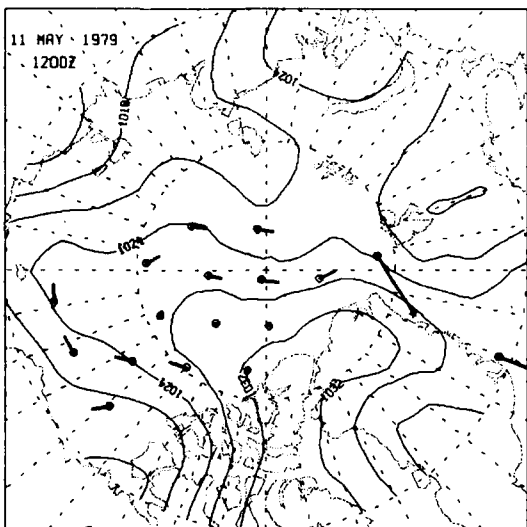
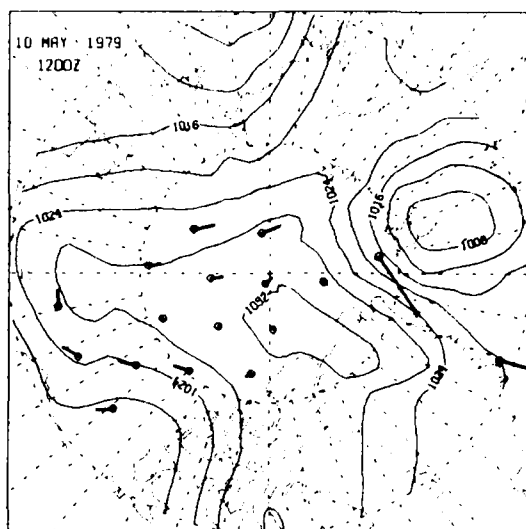
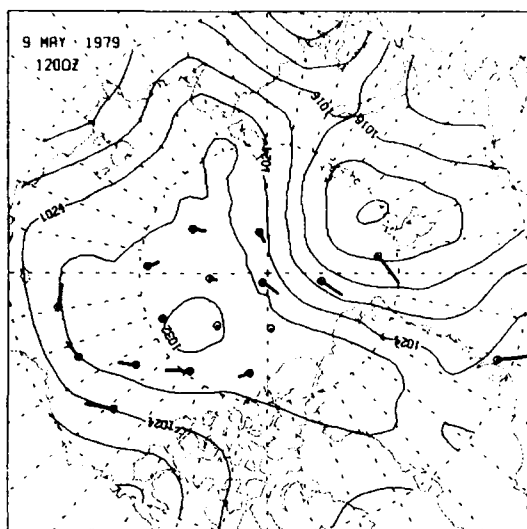
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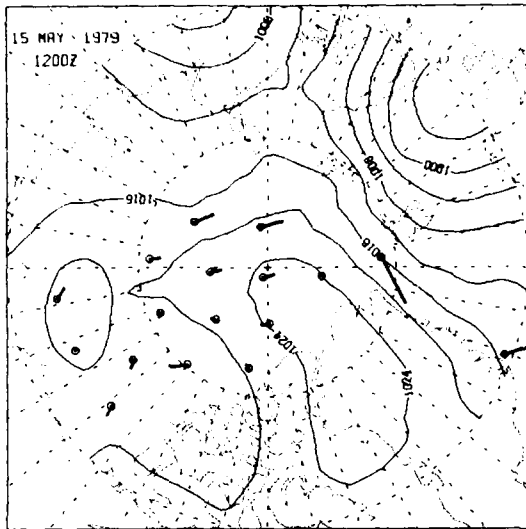
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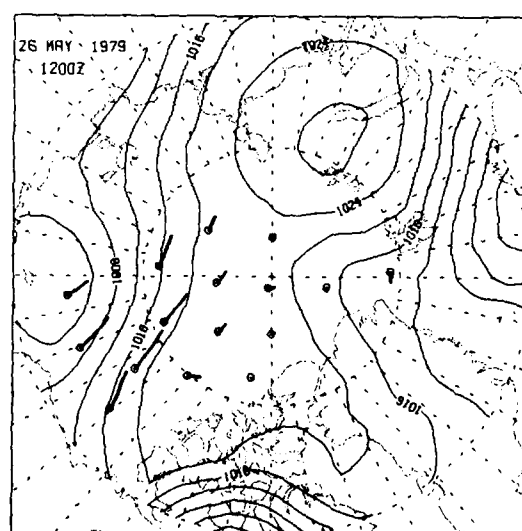
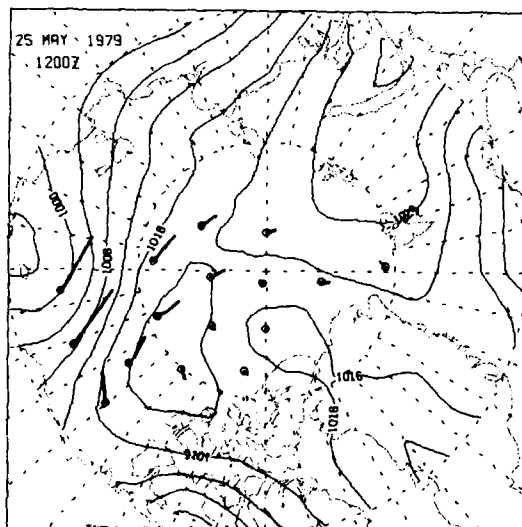
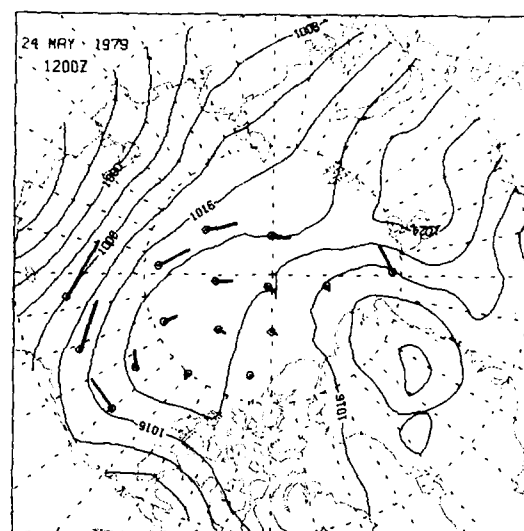
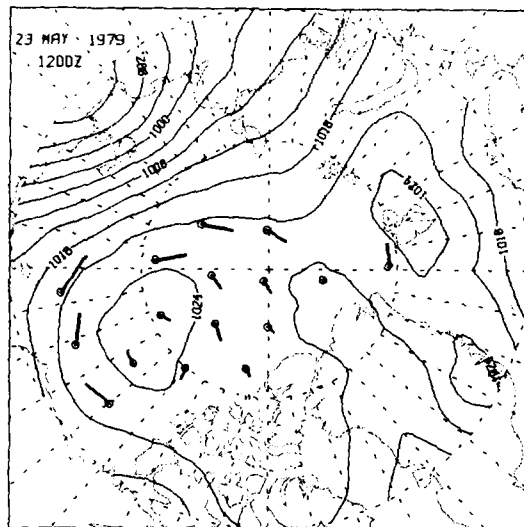
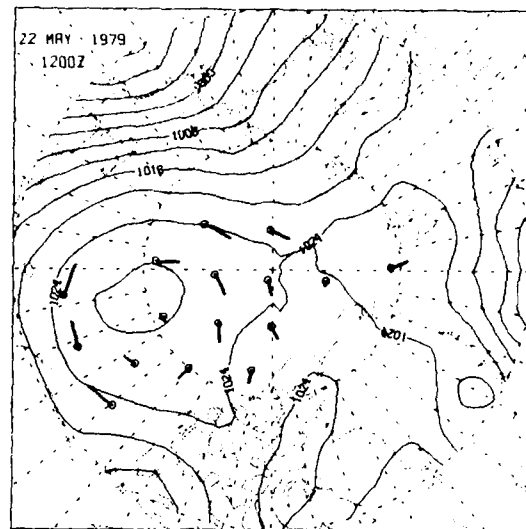
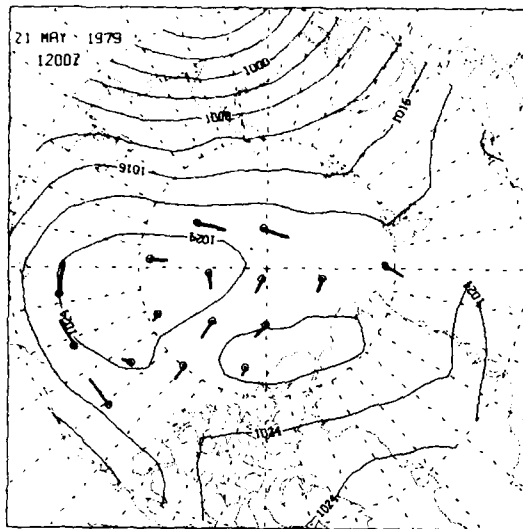
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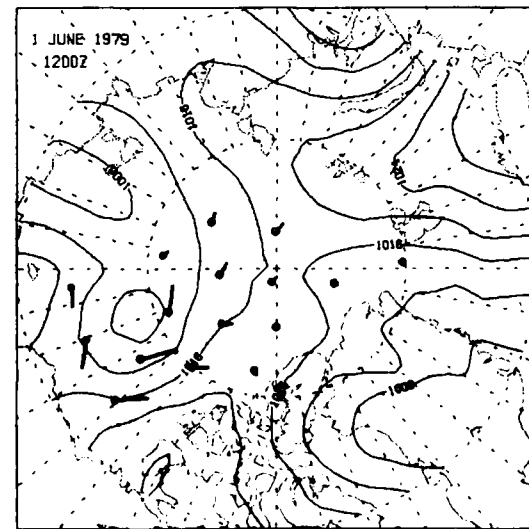
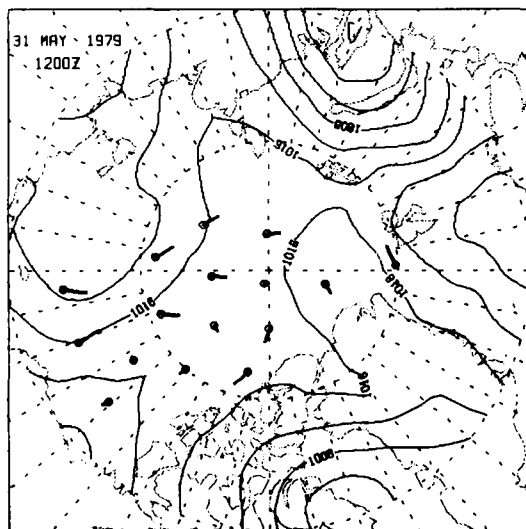
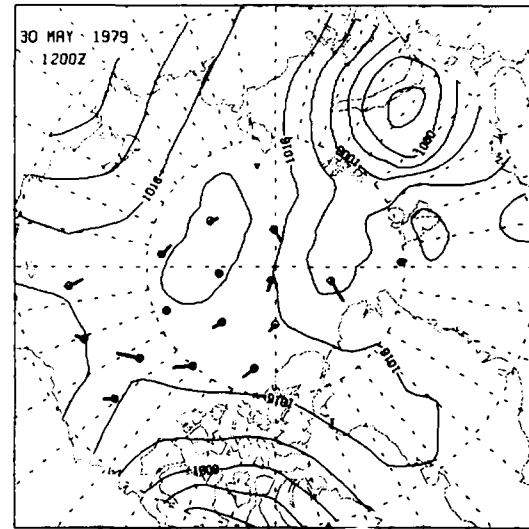
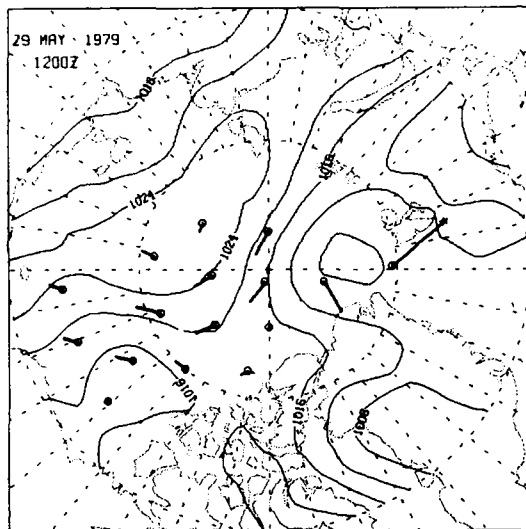
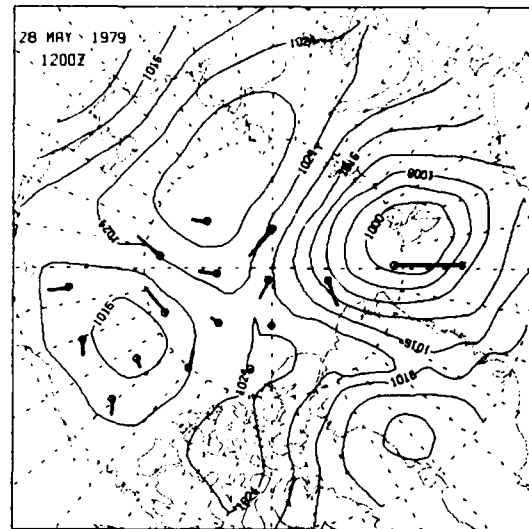
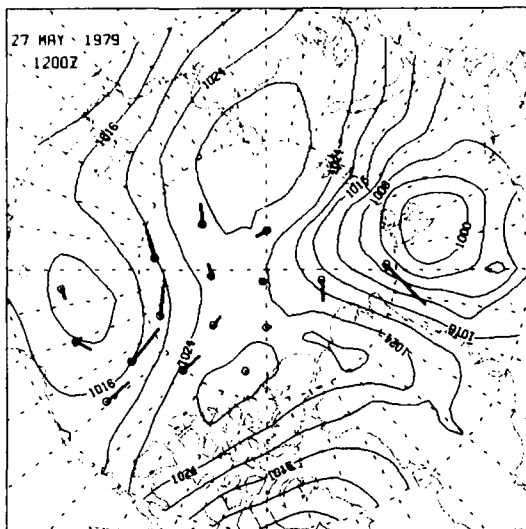
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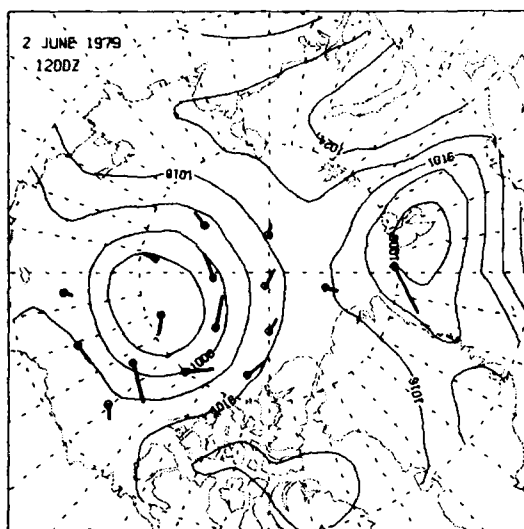
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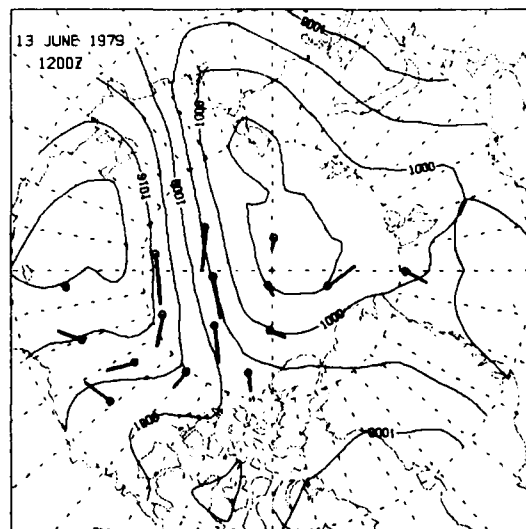
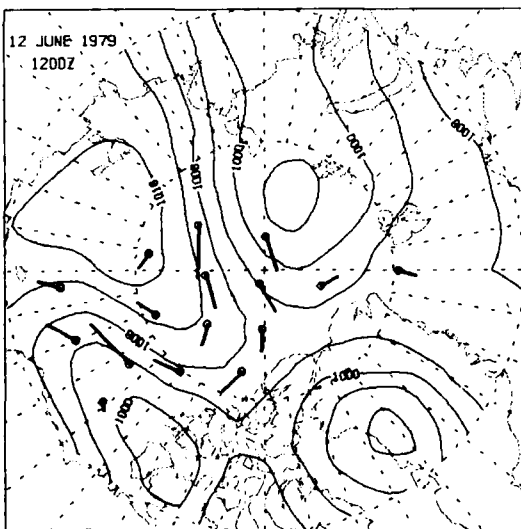
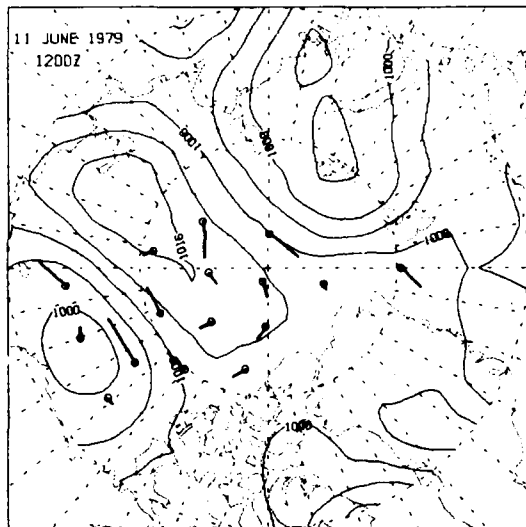
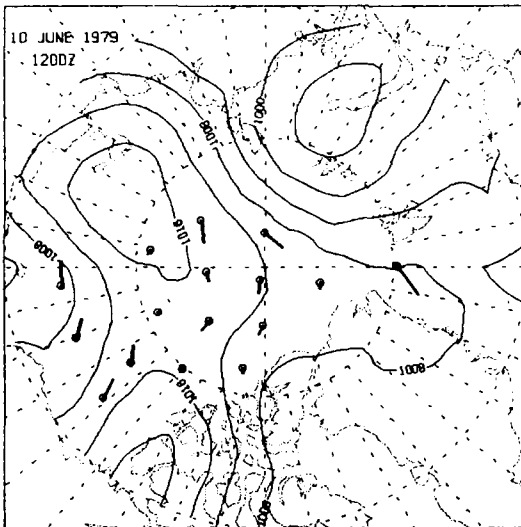
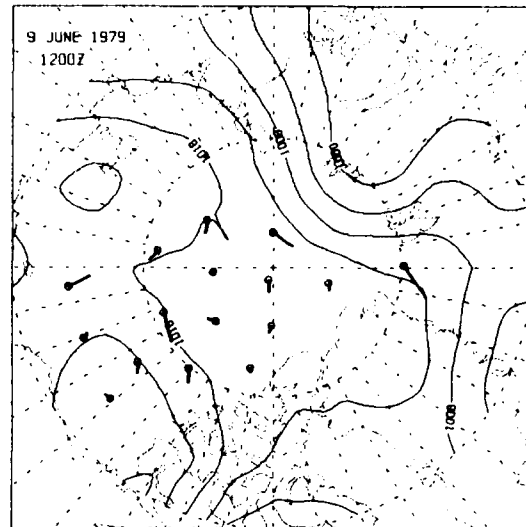
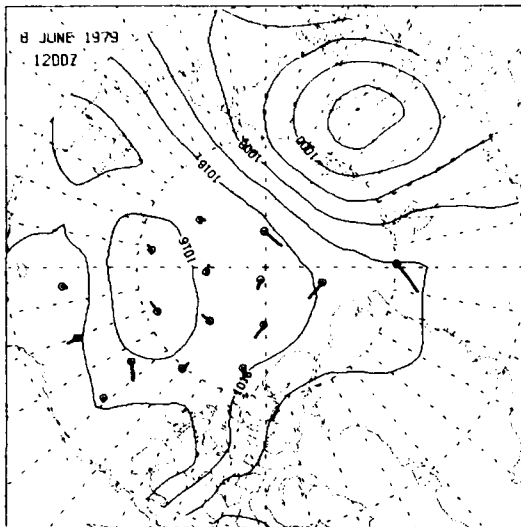
27 MAY-1 JUNE



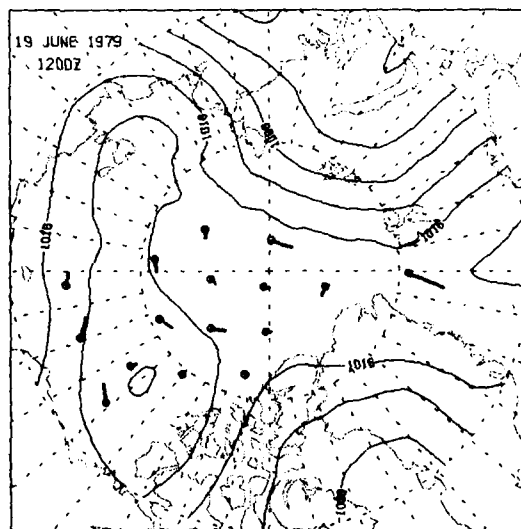
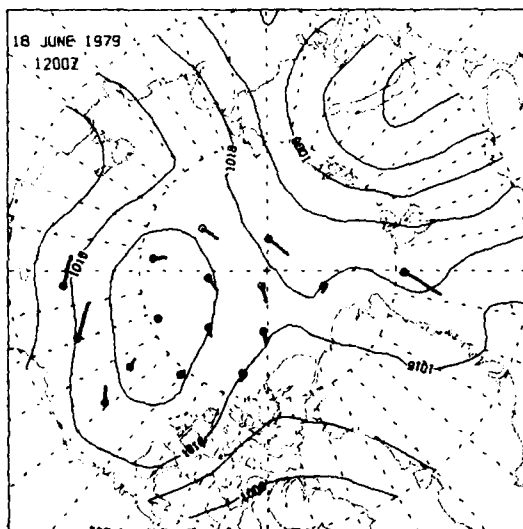
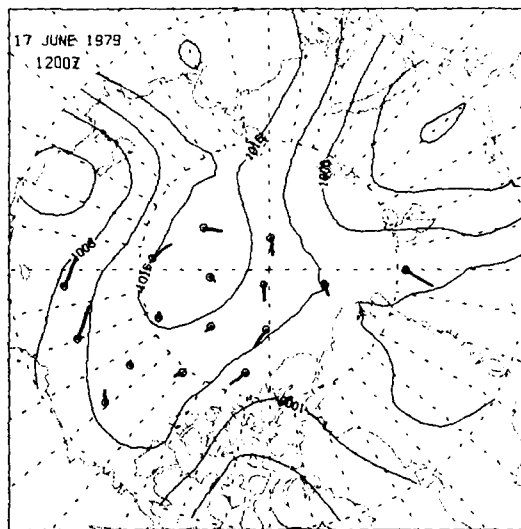
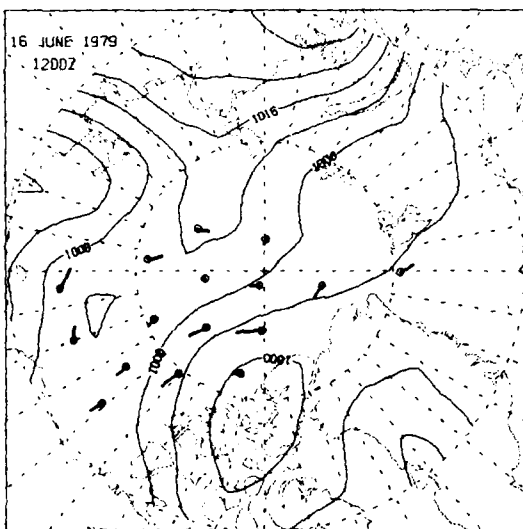
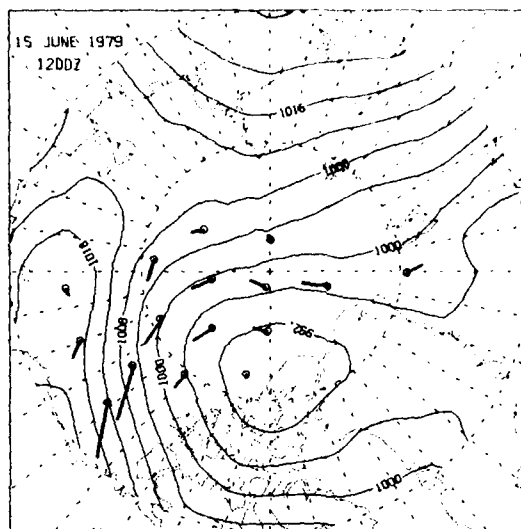
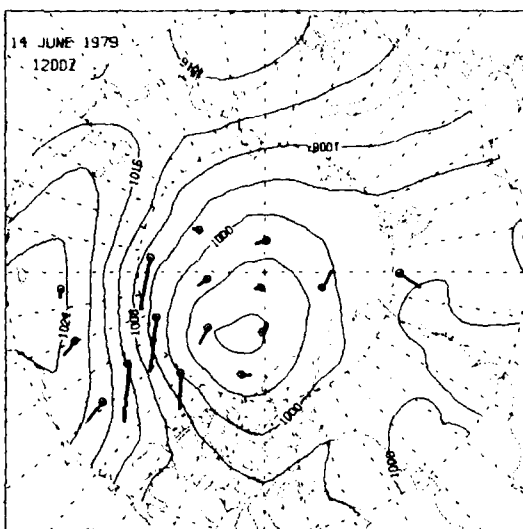
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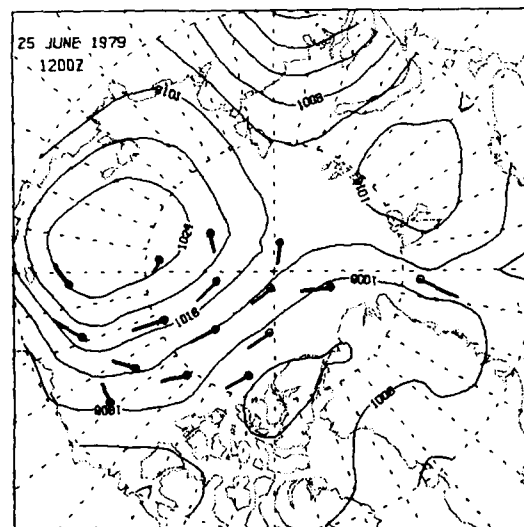
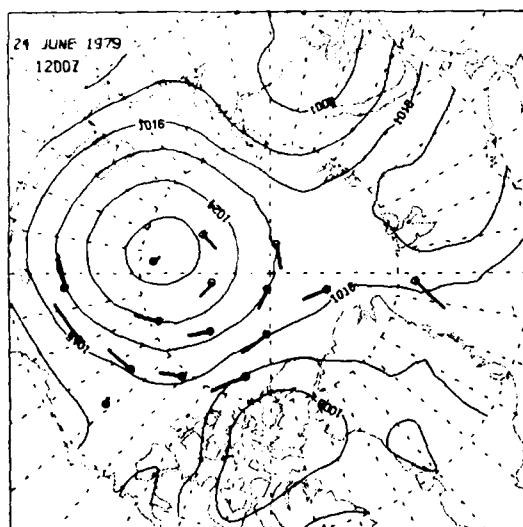
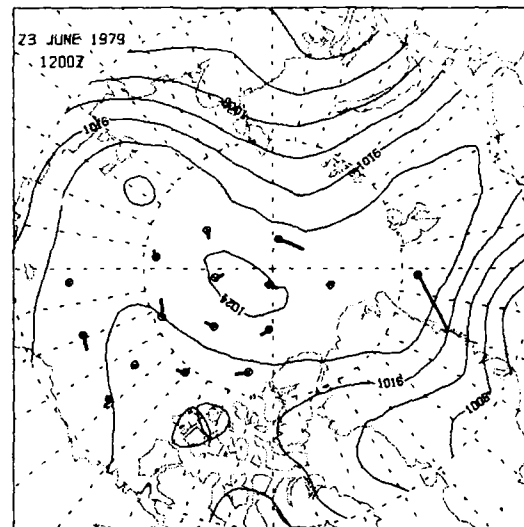
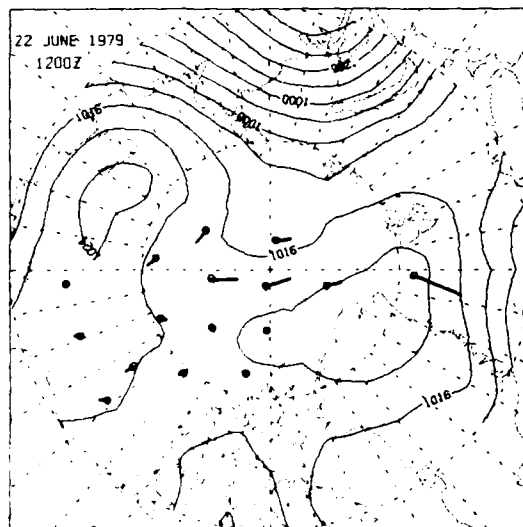
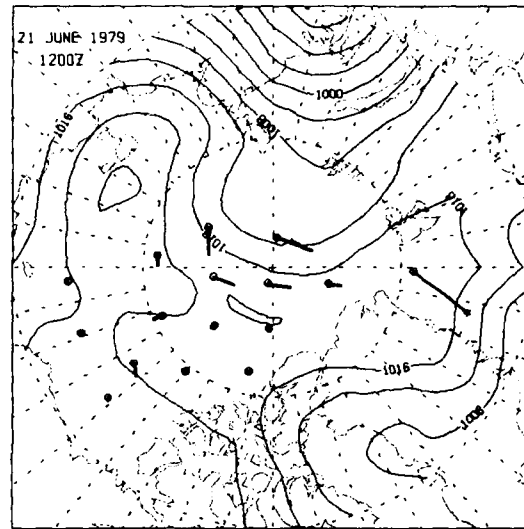
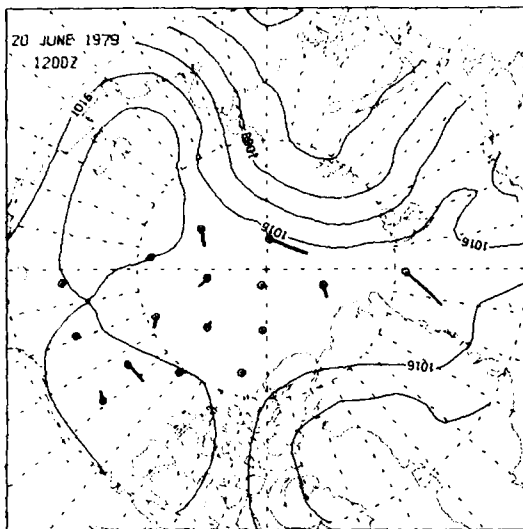


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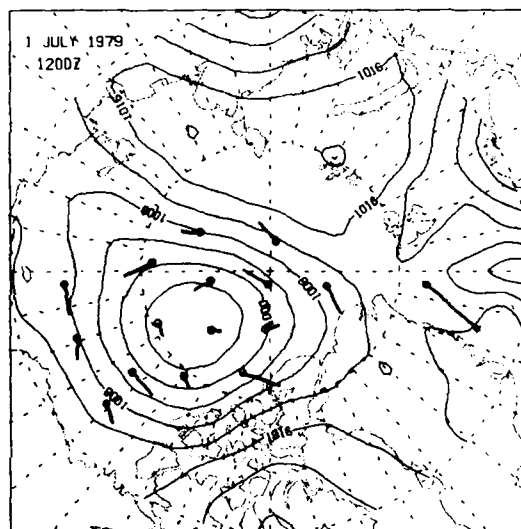
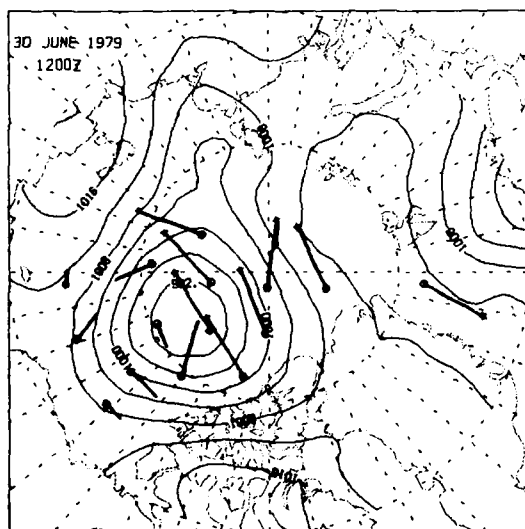
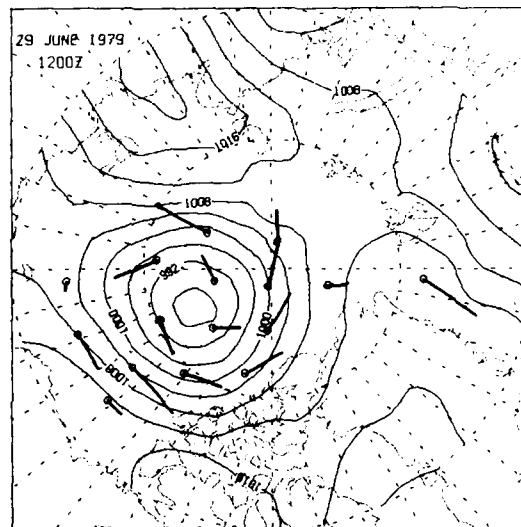
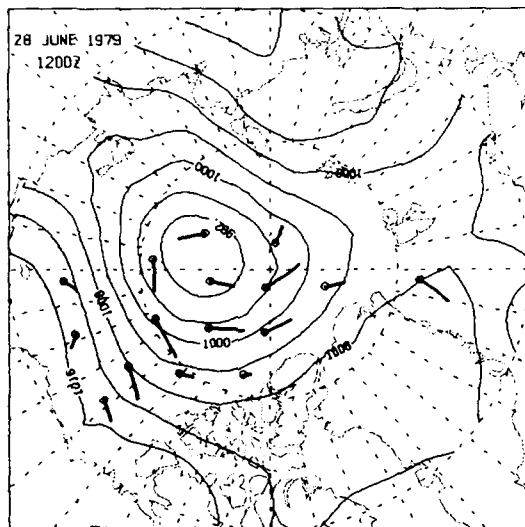
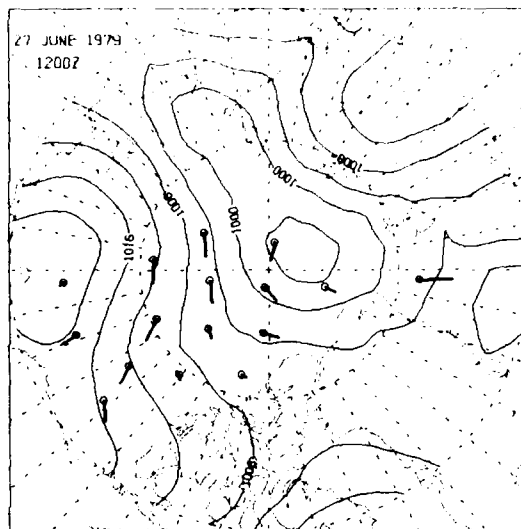
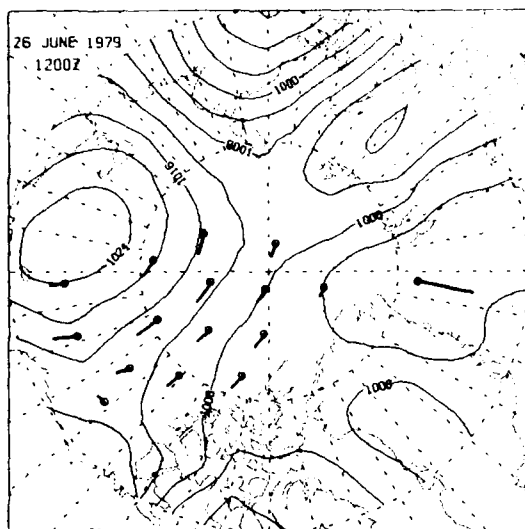


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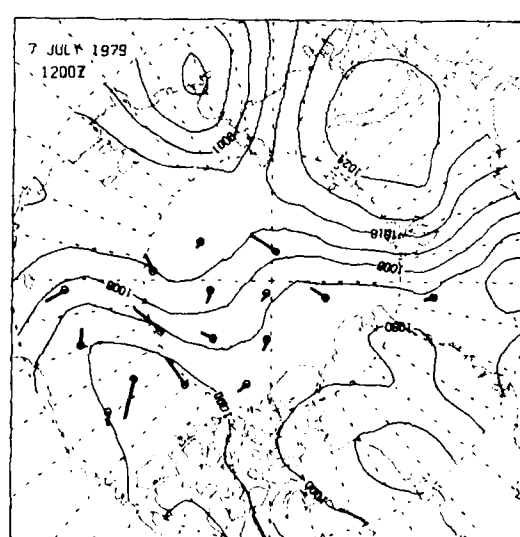
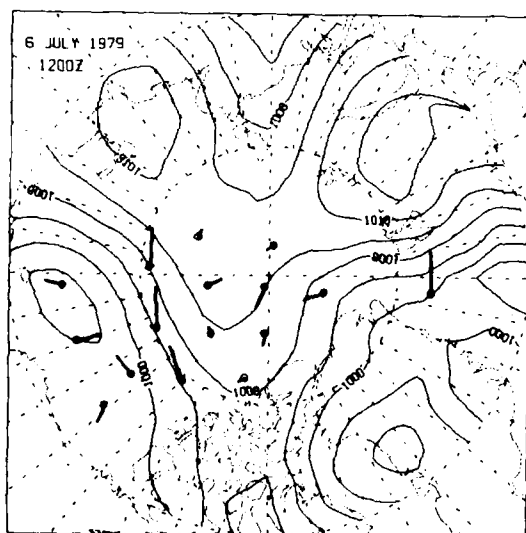
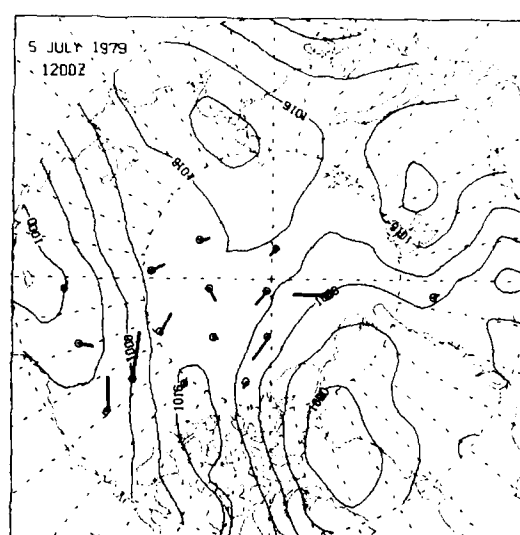
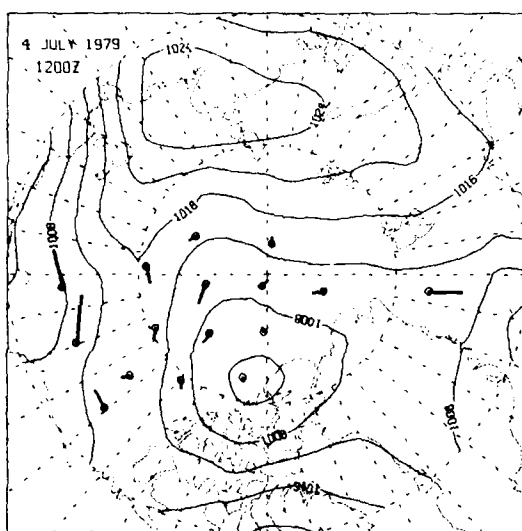
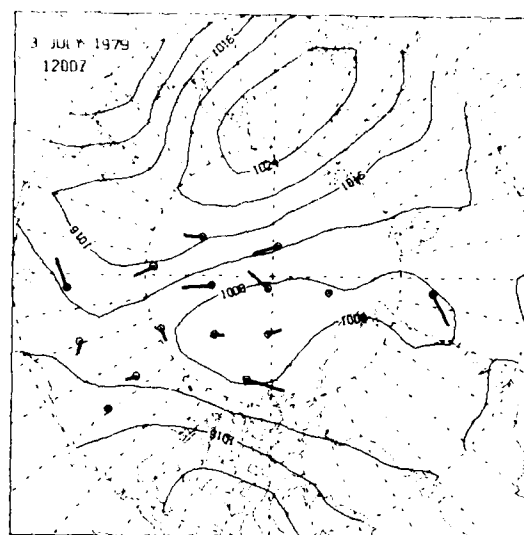
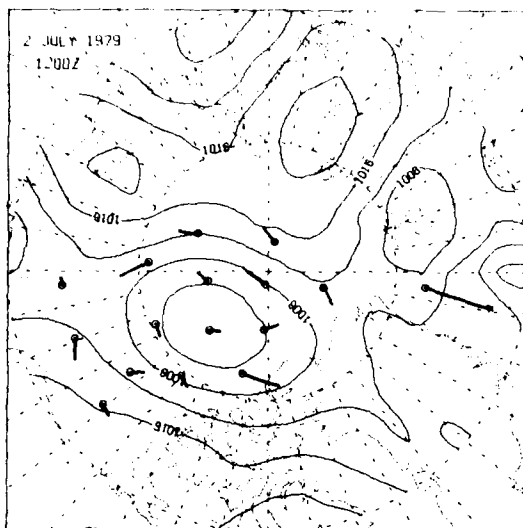




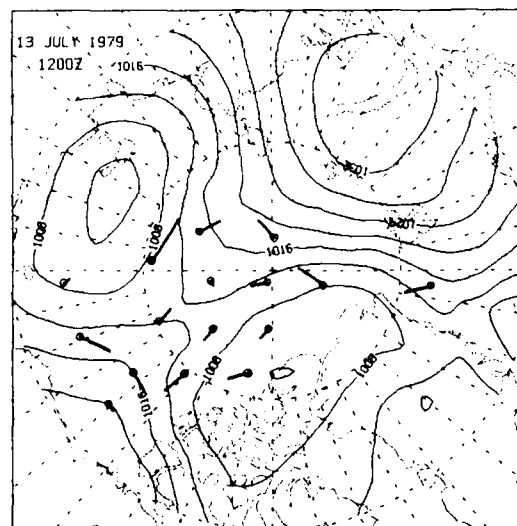
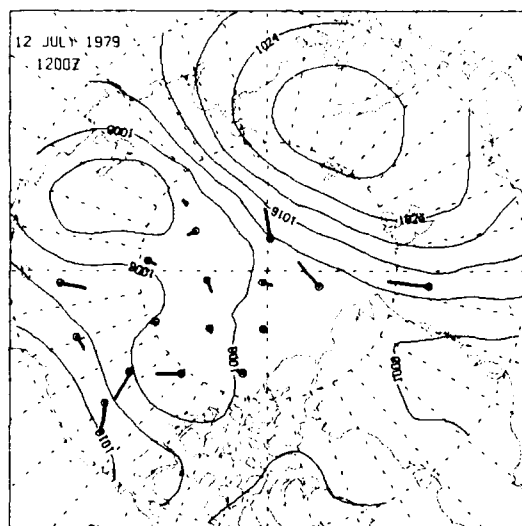
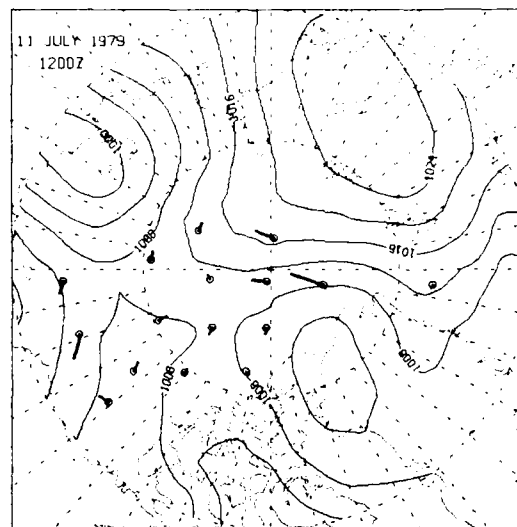
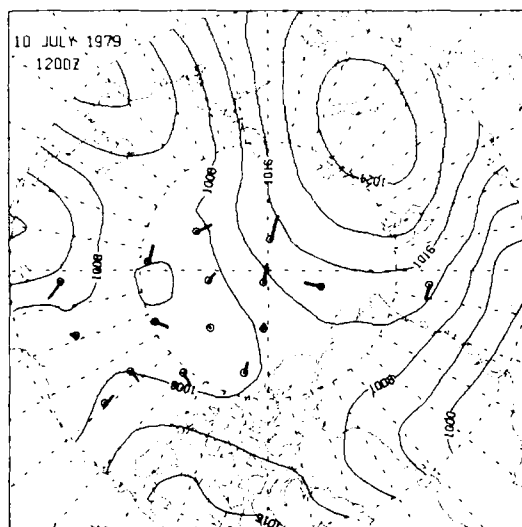
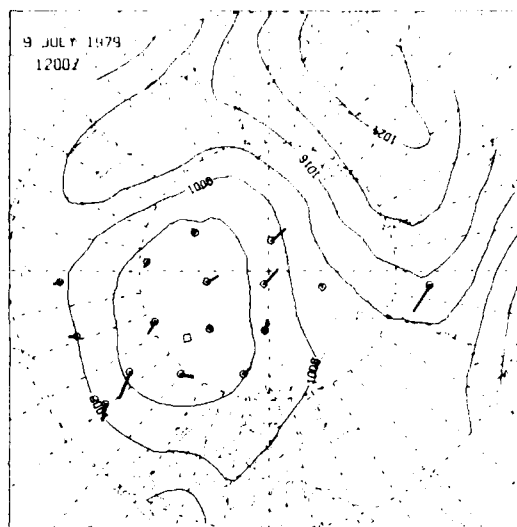
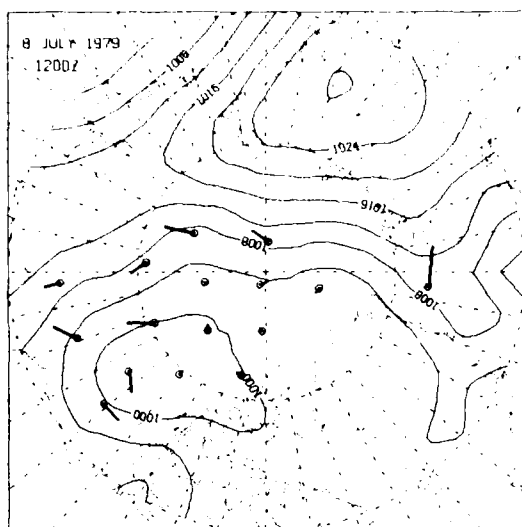
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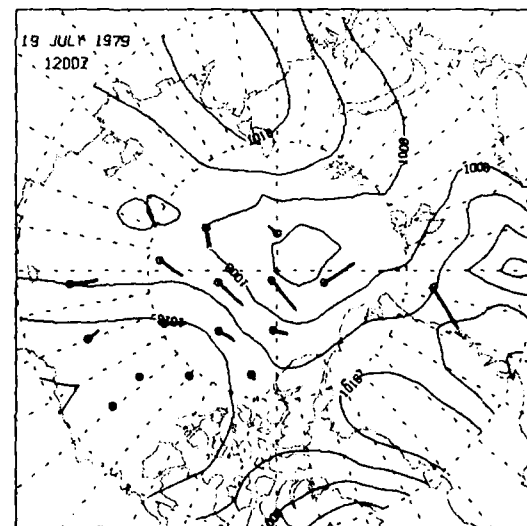
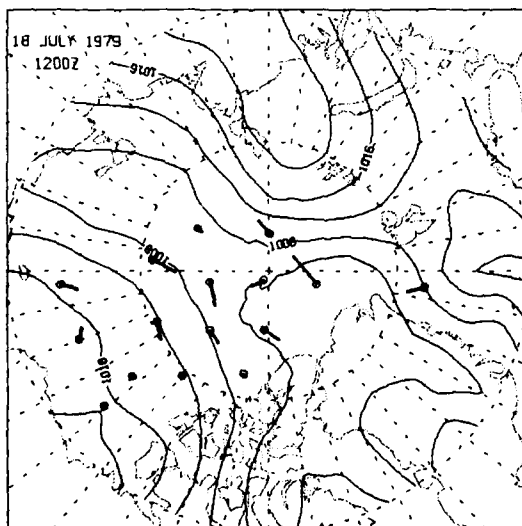
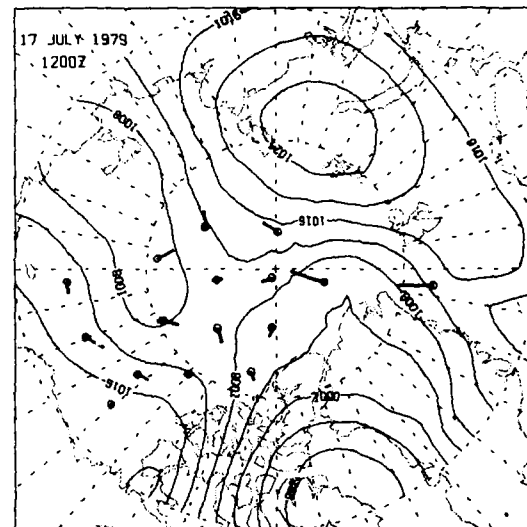
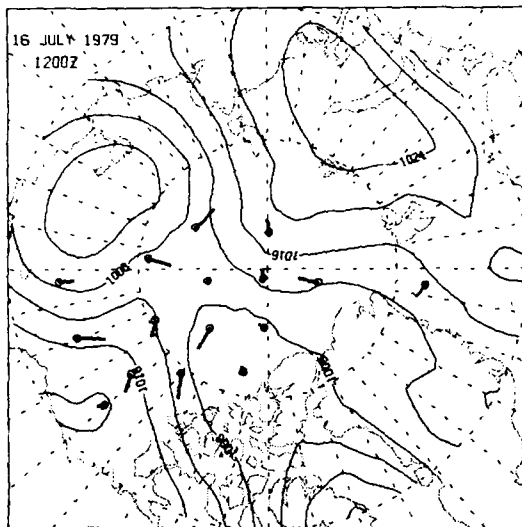
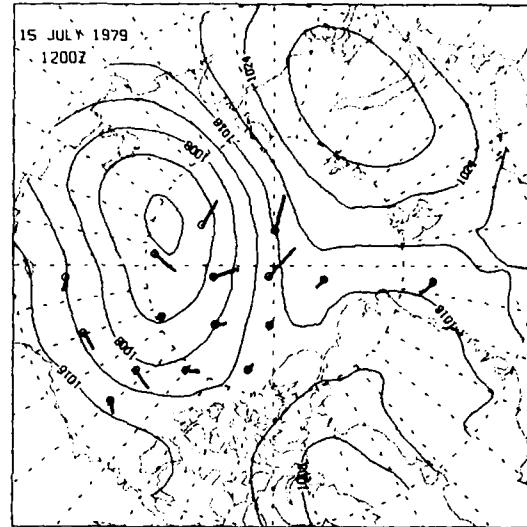
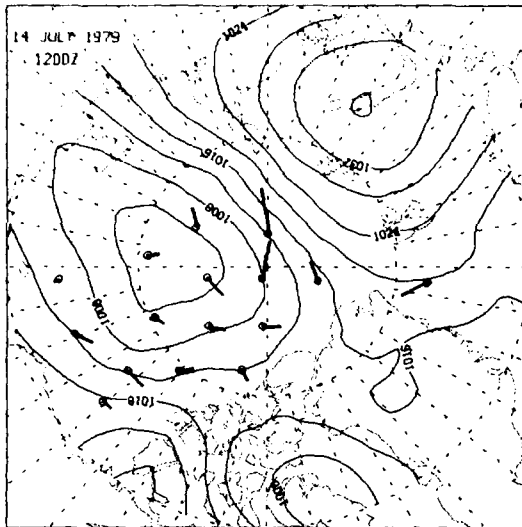


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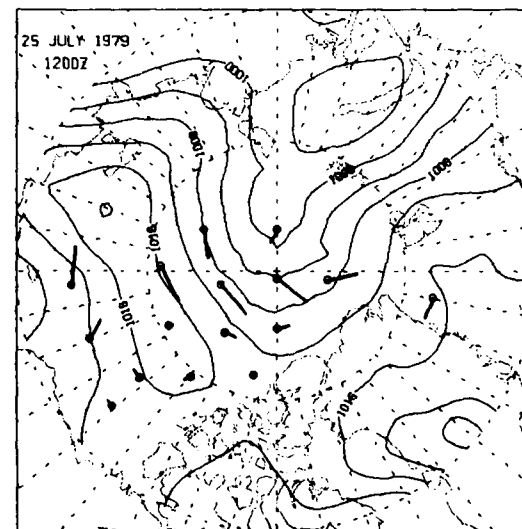
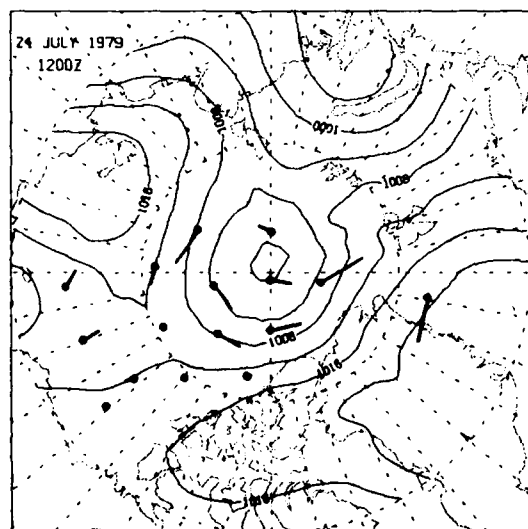
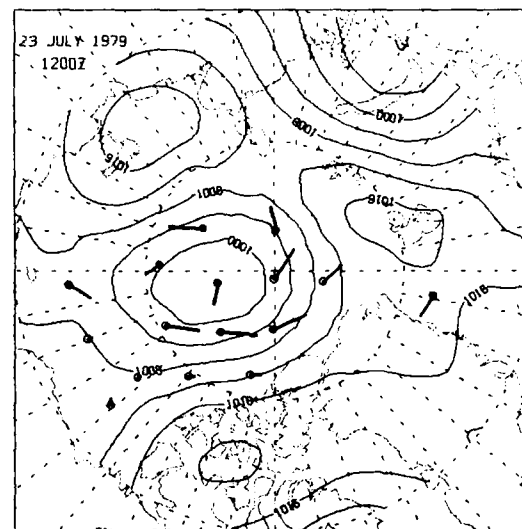
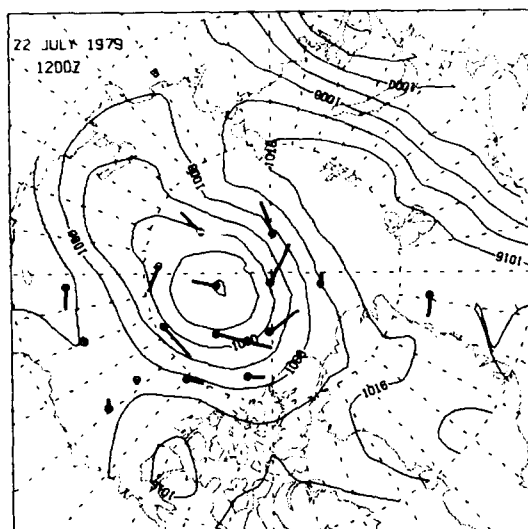
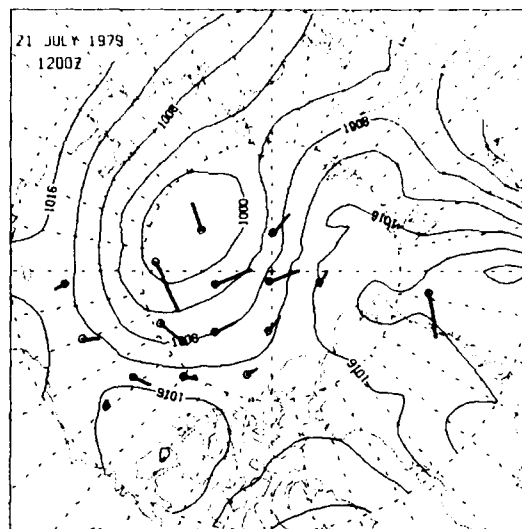
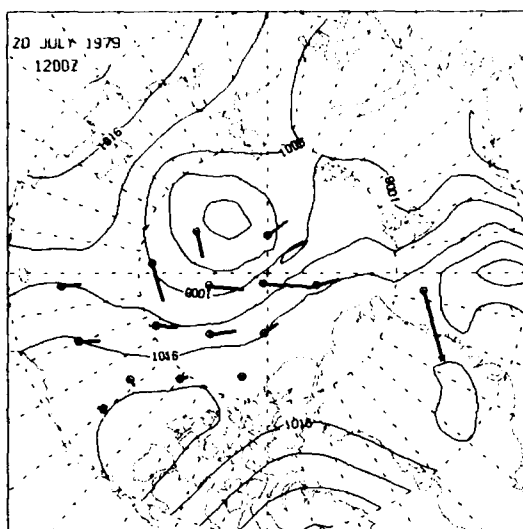


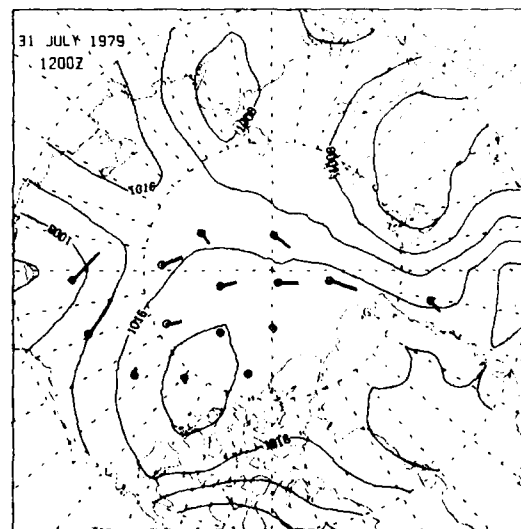
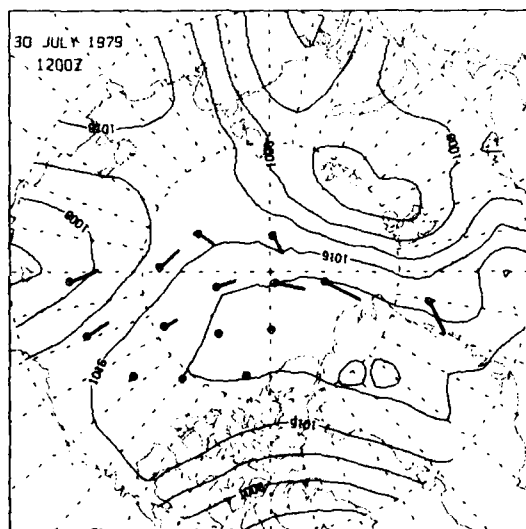
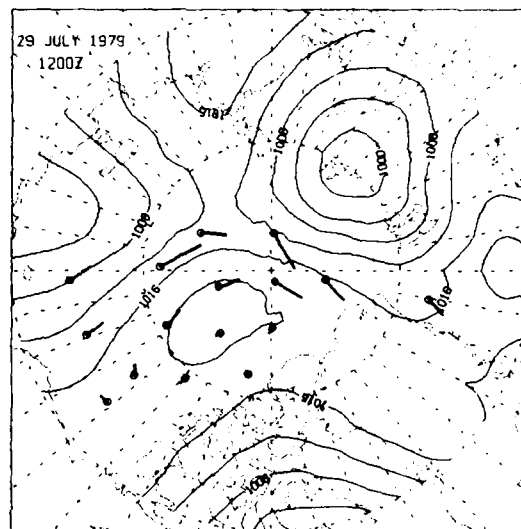
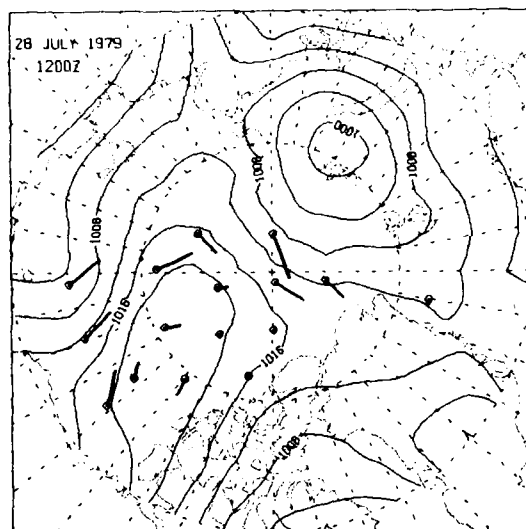
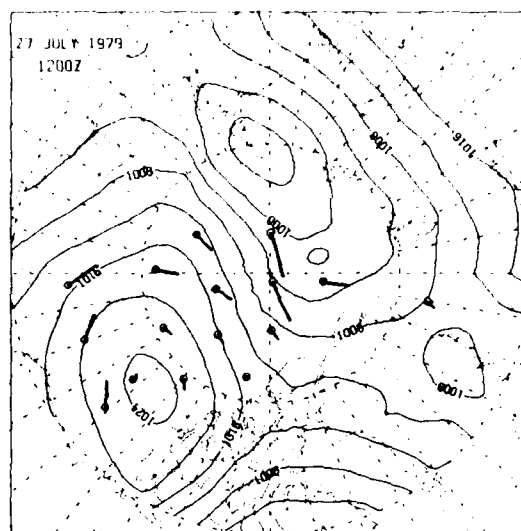
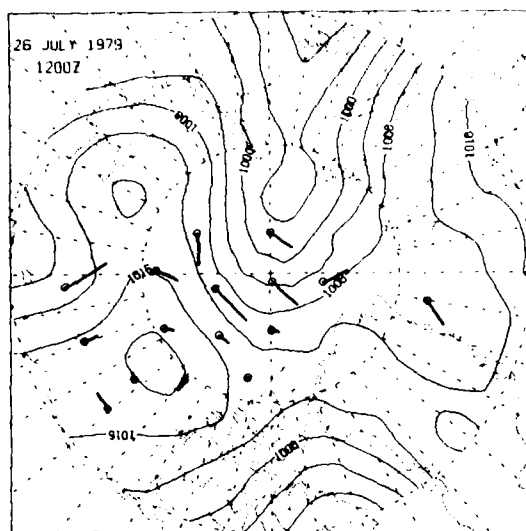
8 JULY-13 JULY



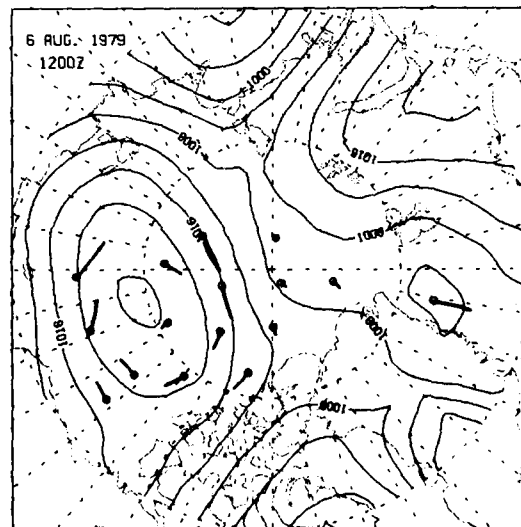
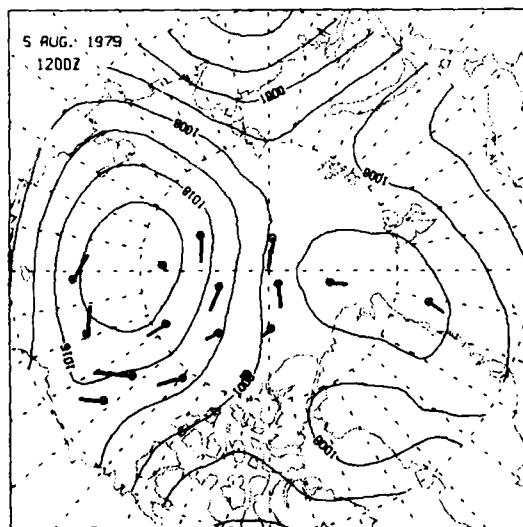
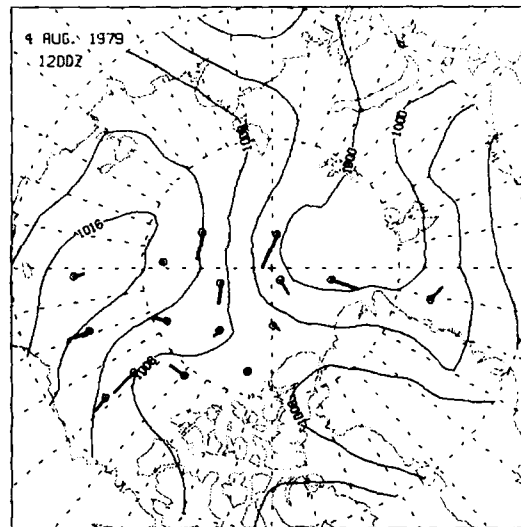
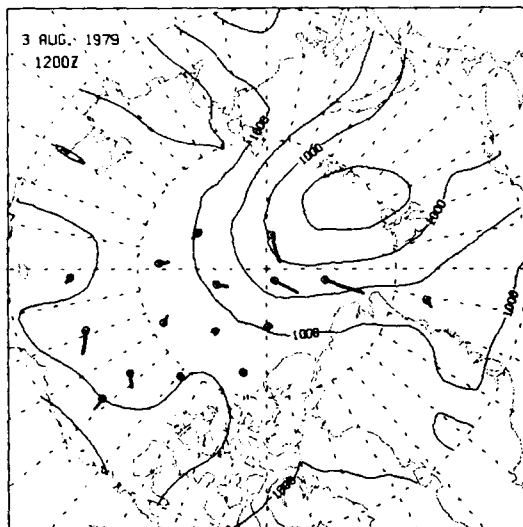
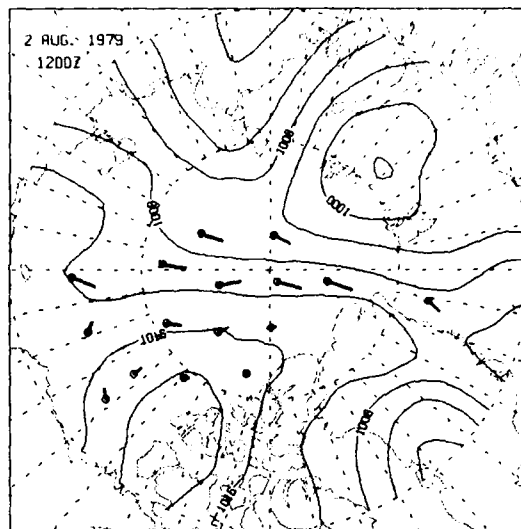
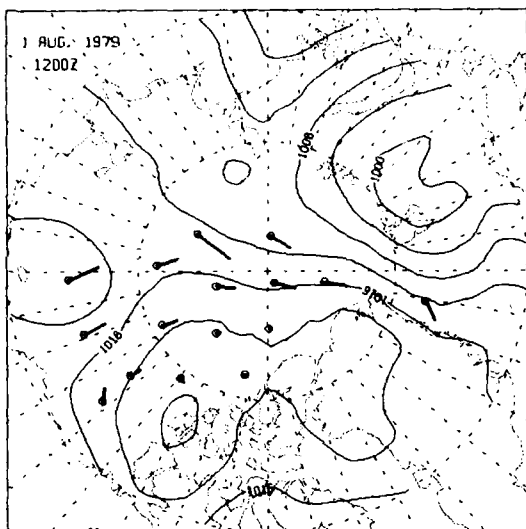


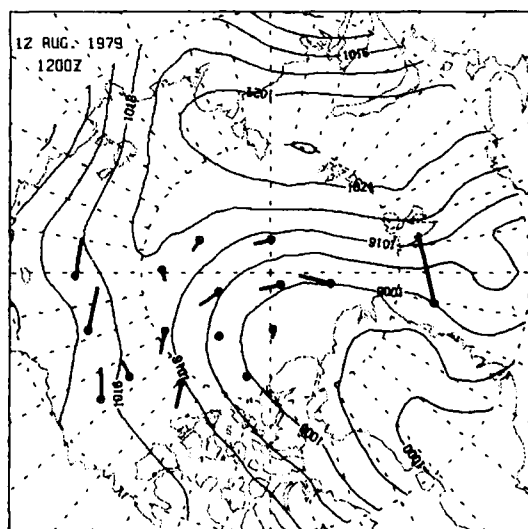
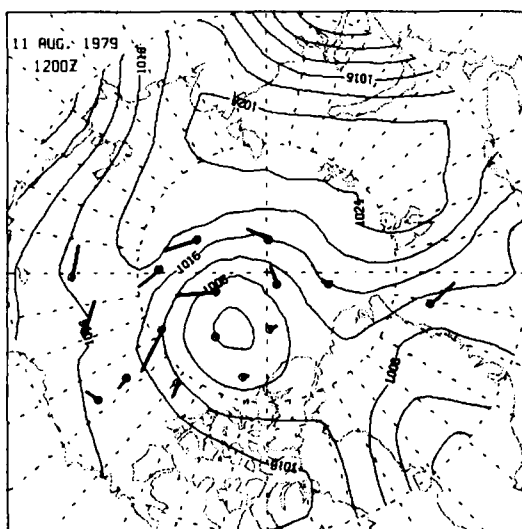
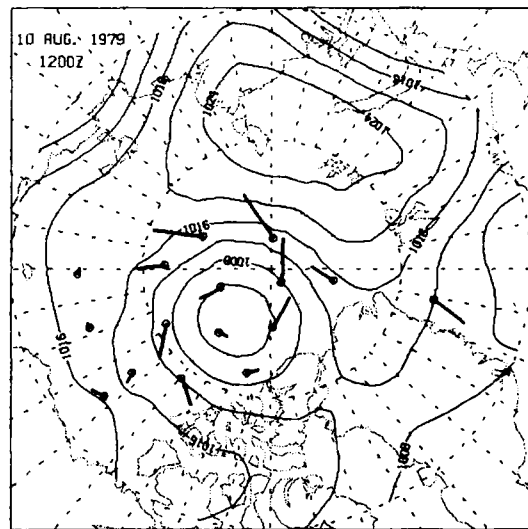
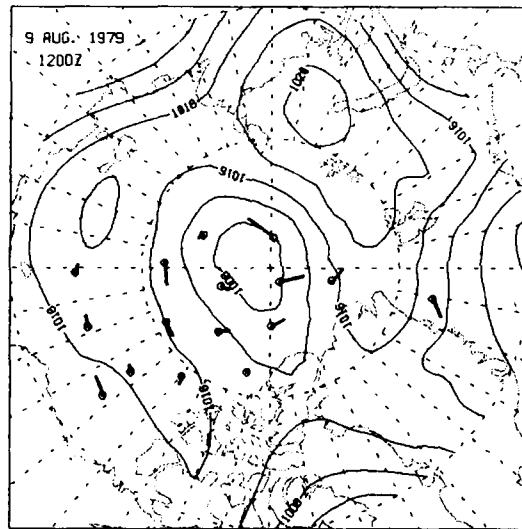
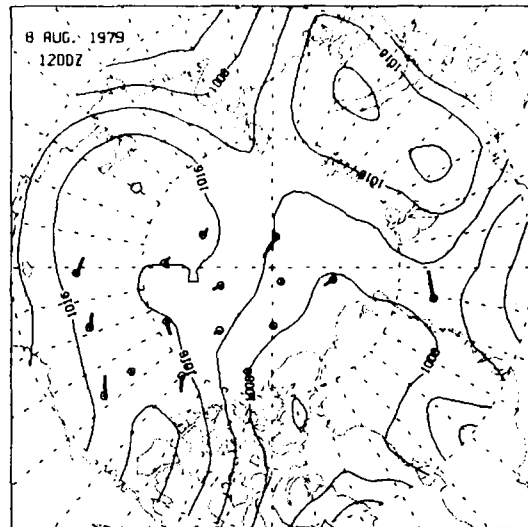
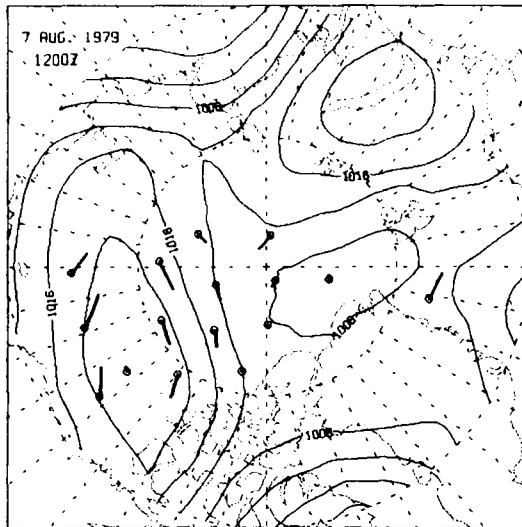
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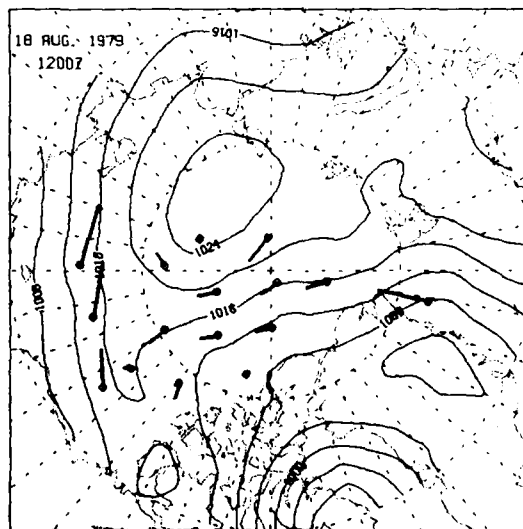
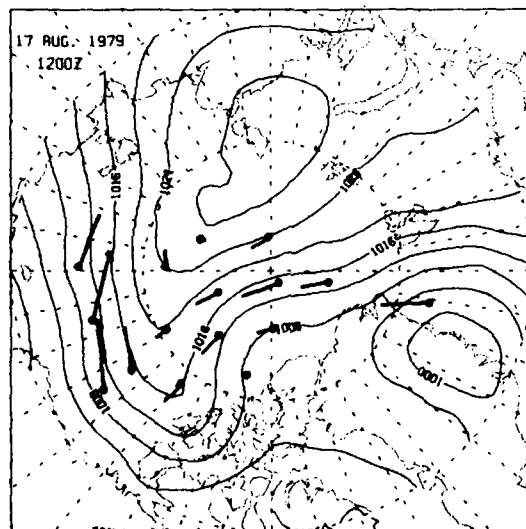
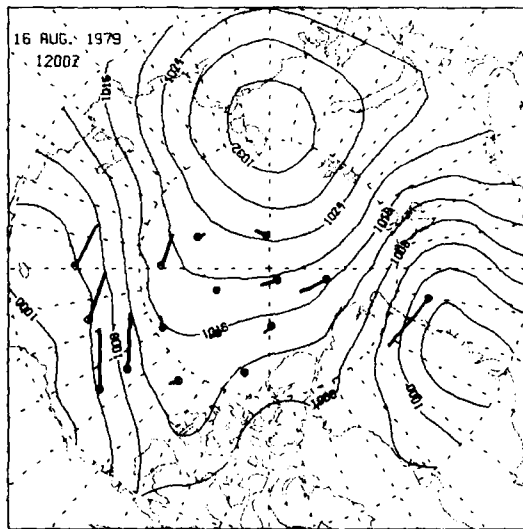
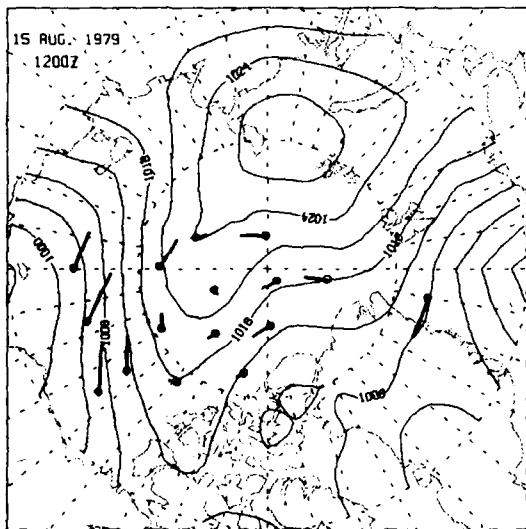
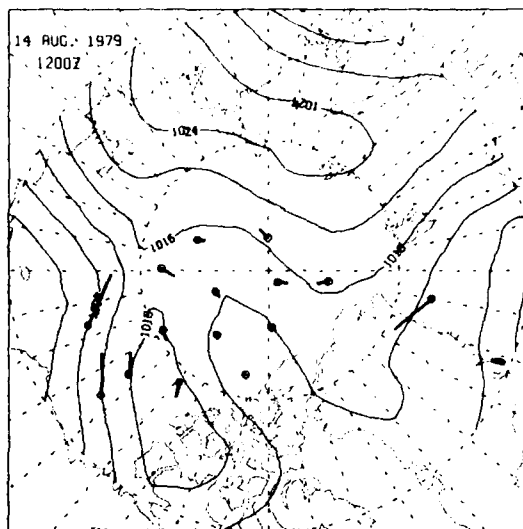
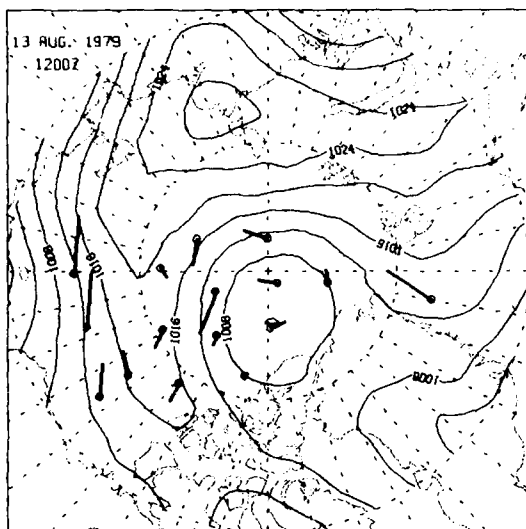


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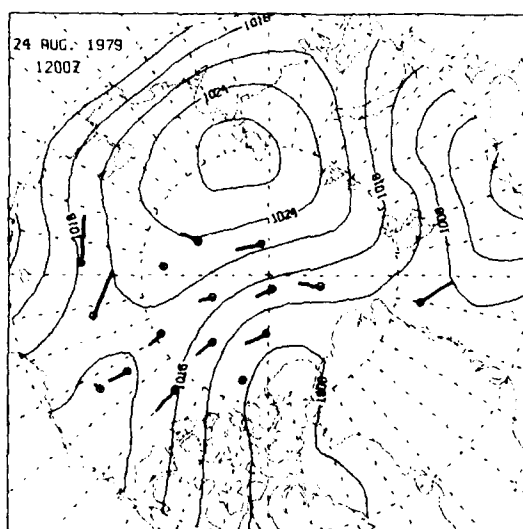
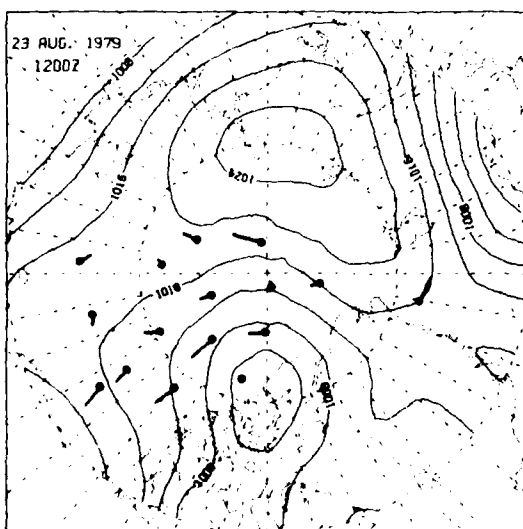
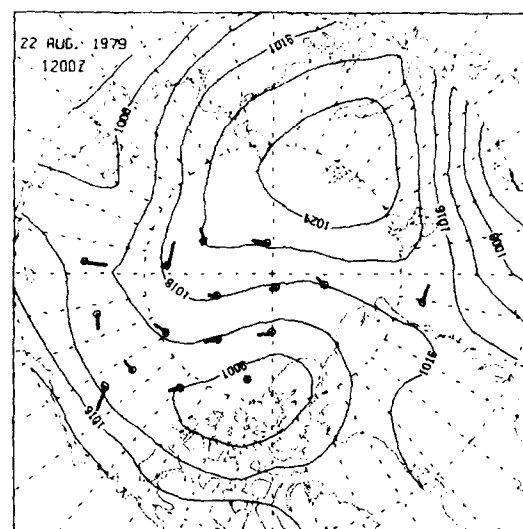
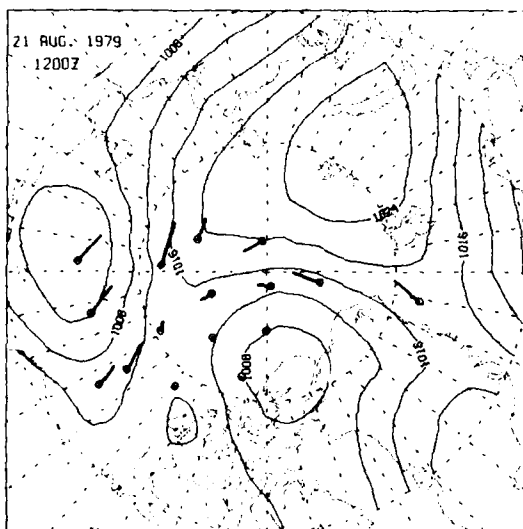
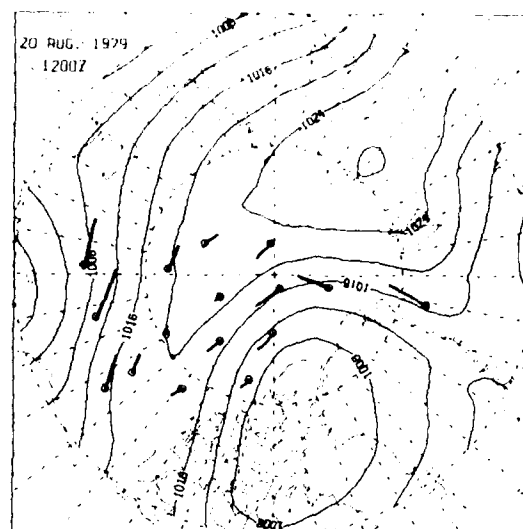
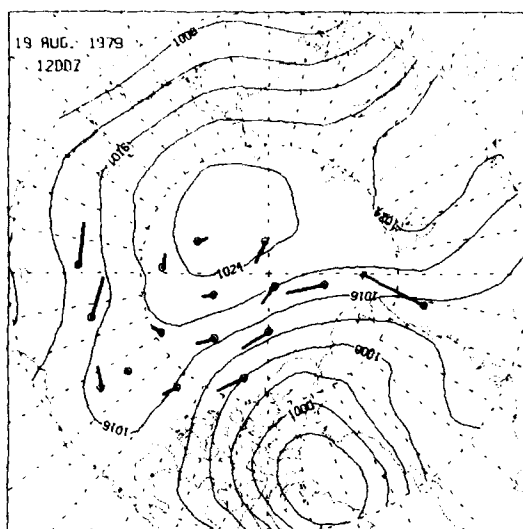




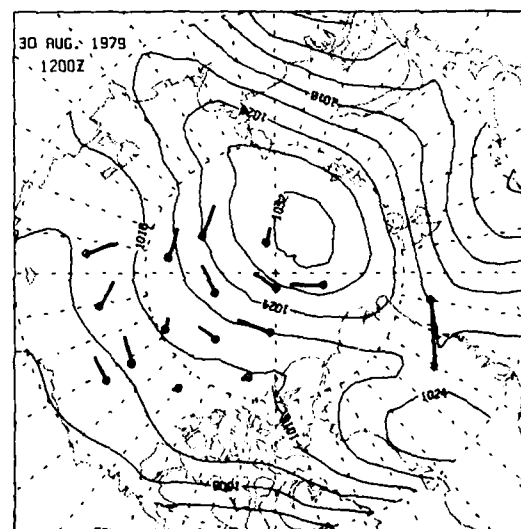
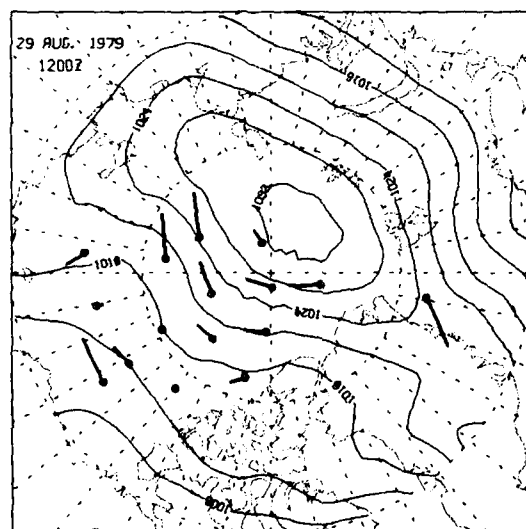
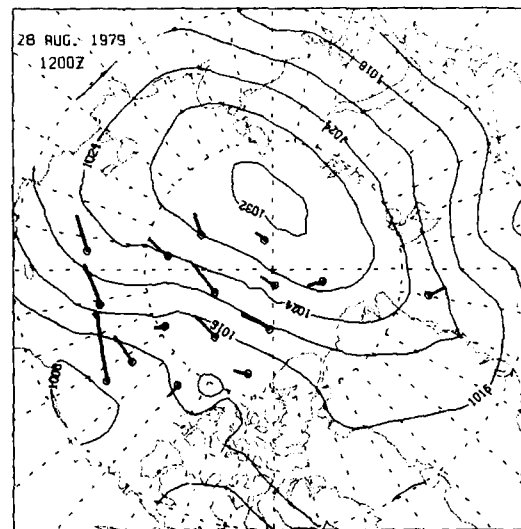
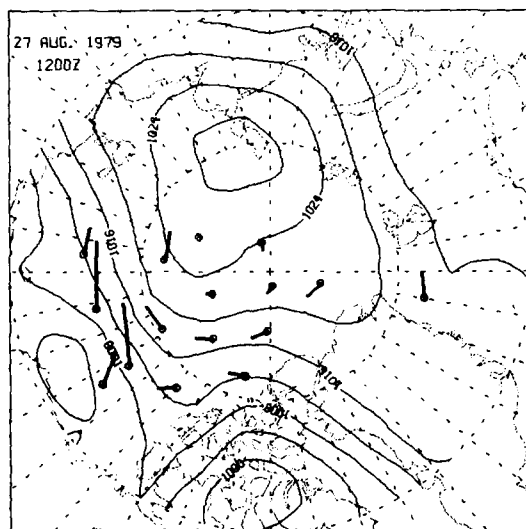
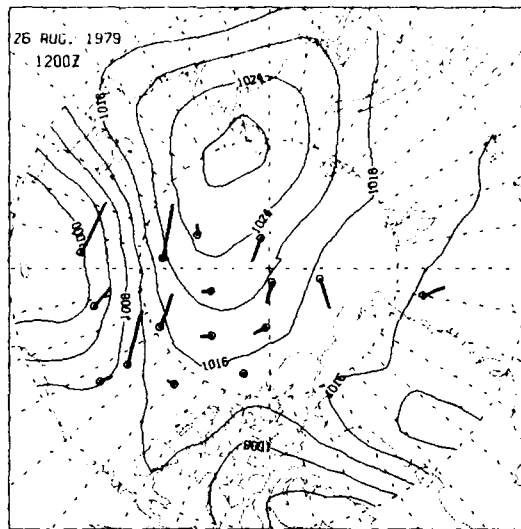
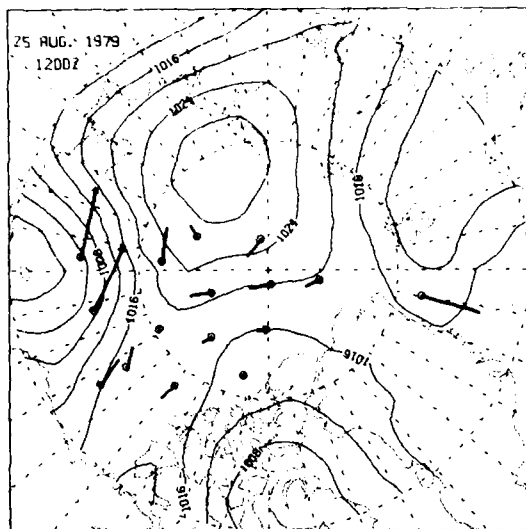
13 AUG-18 AUG

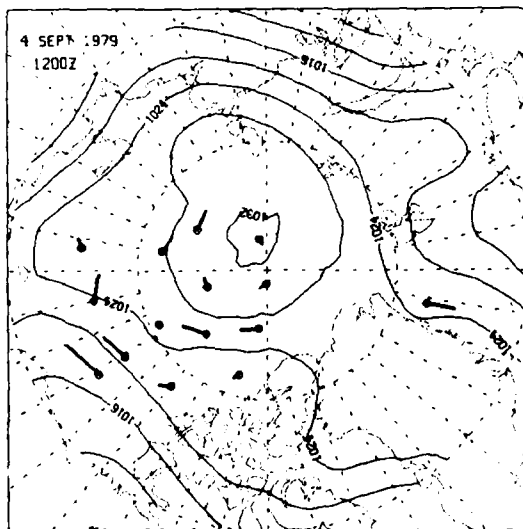
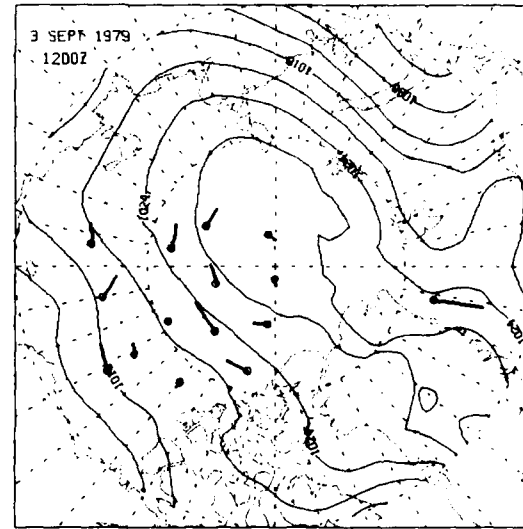
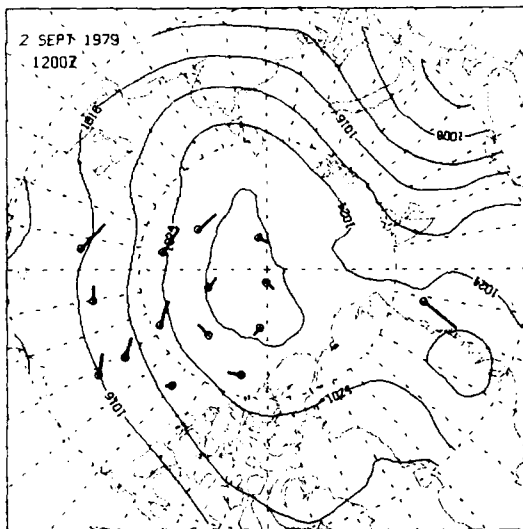
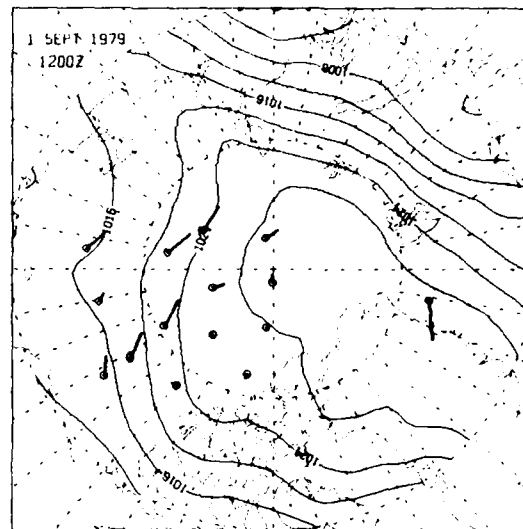
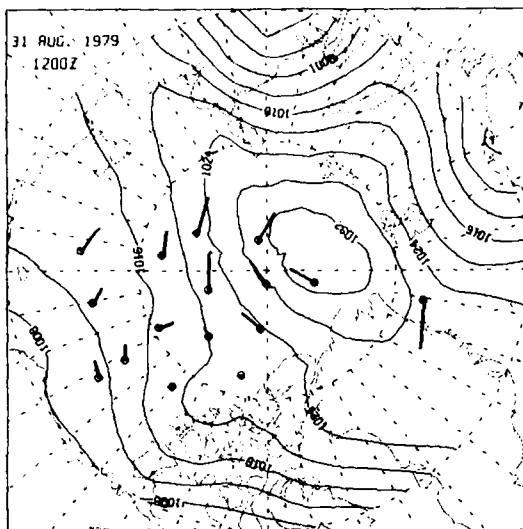


19 AUG-24 AUG

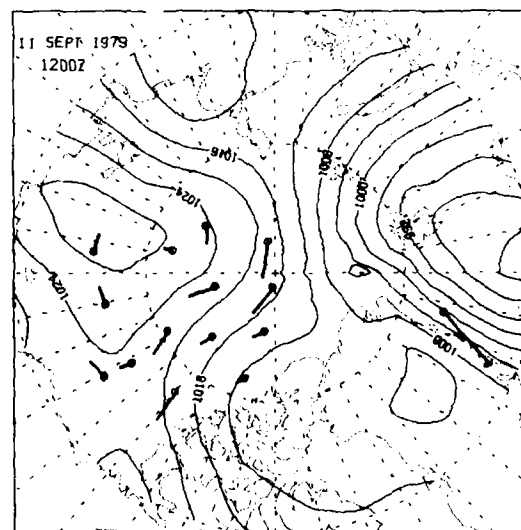
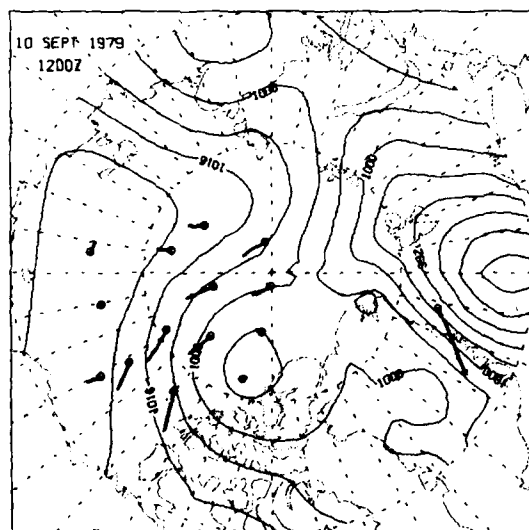
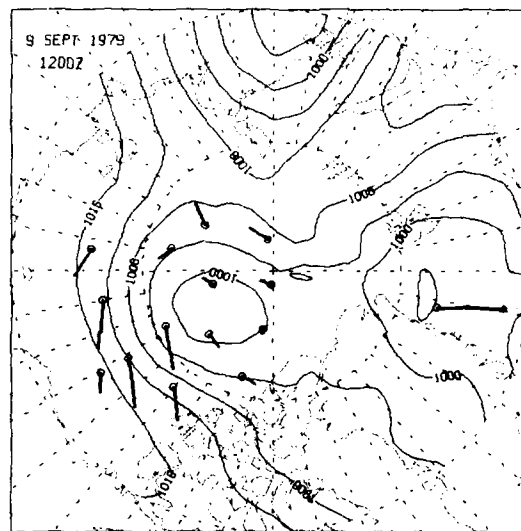
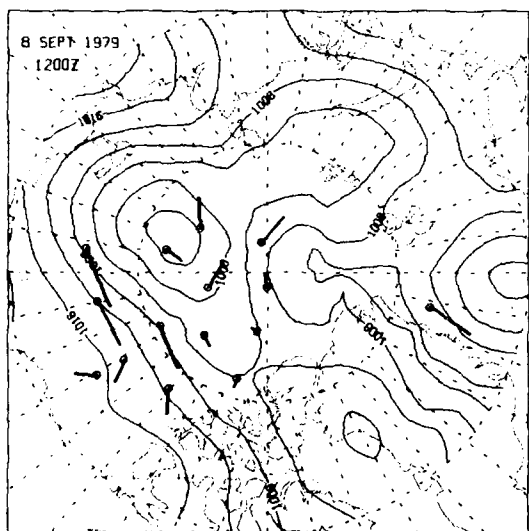
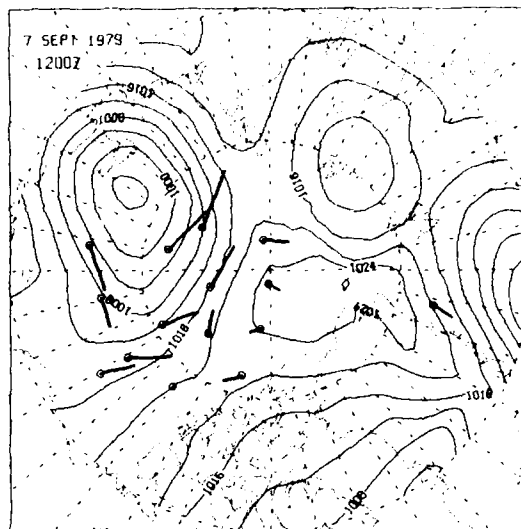
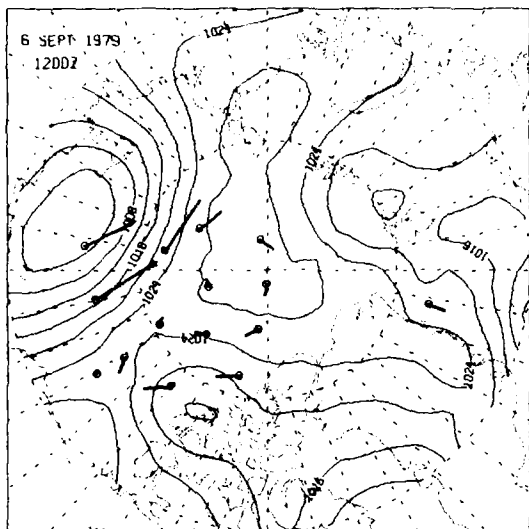


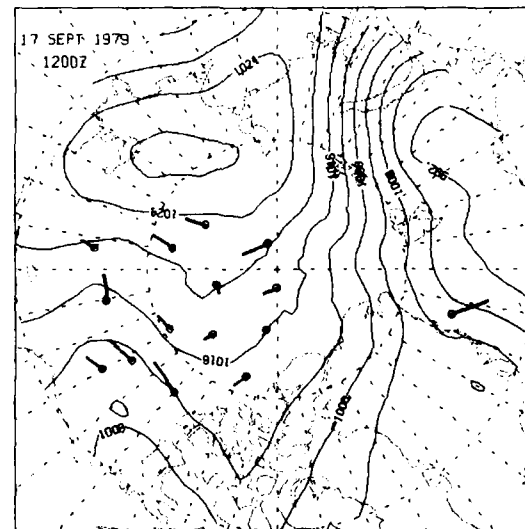
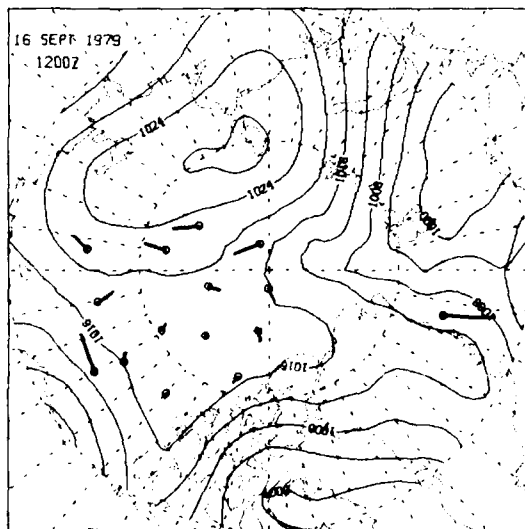
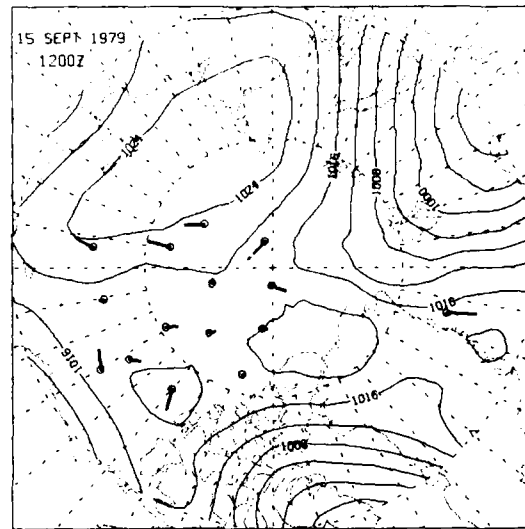
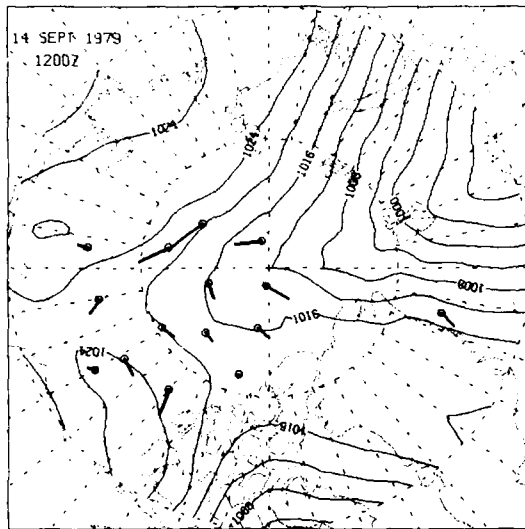
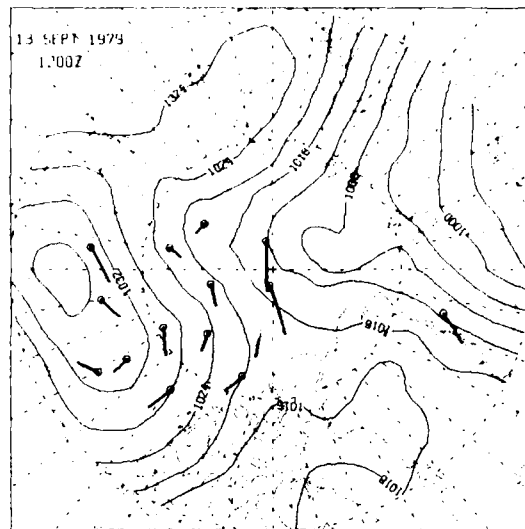
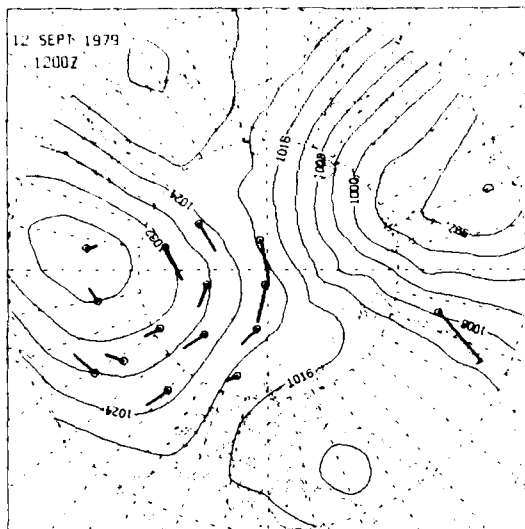
25 AUG-30 AUG



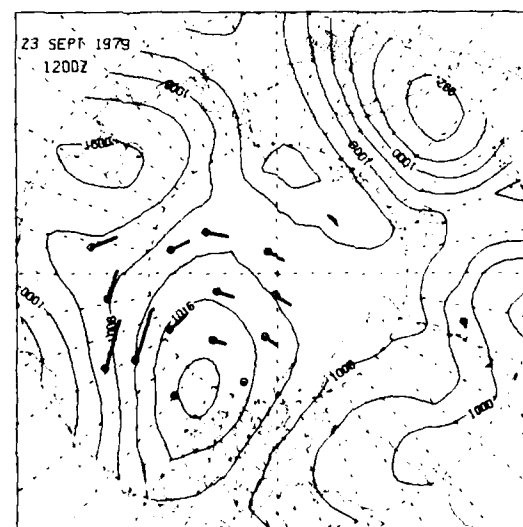
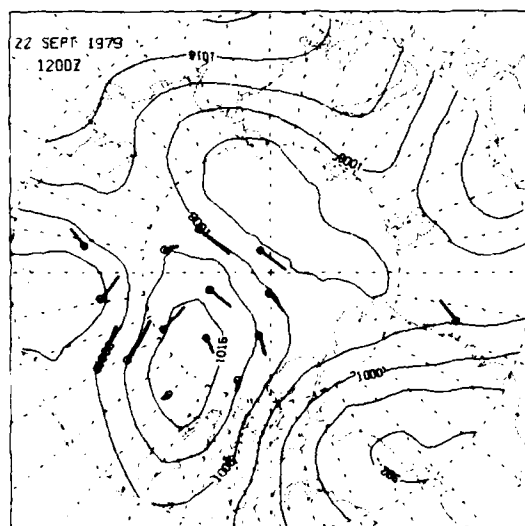
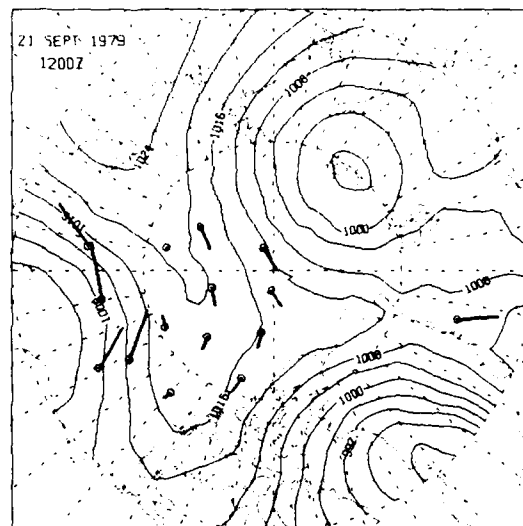
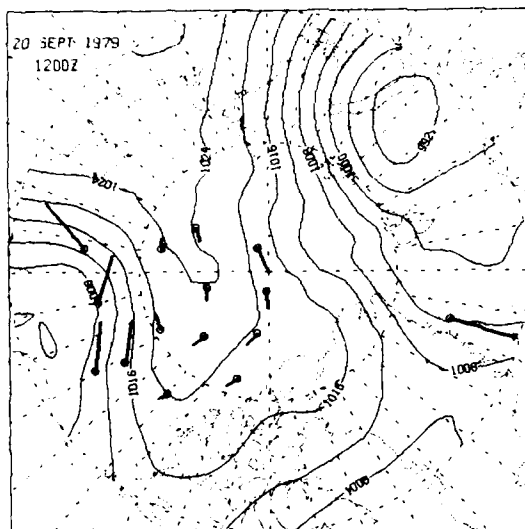
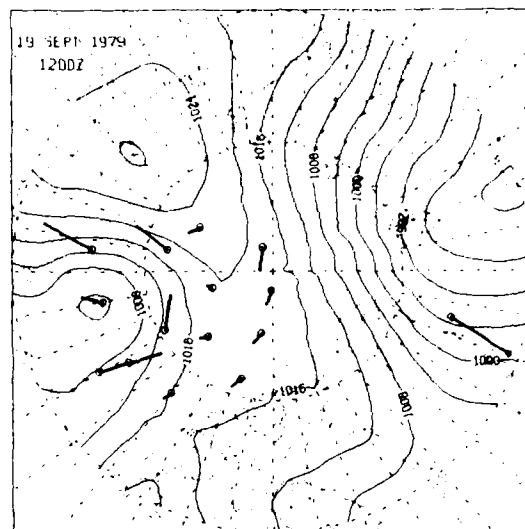
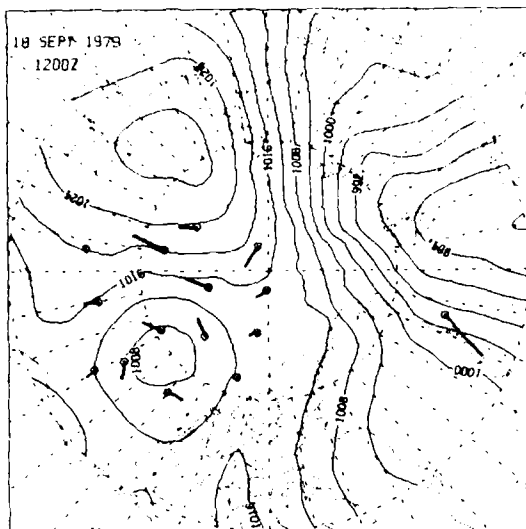


6 SEPT-11 SEPT

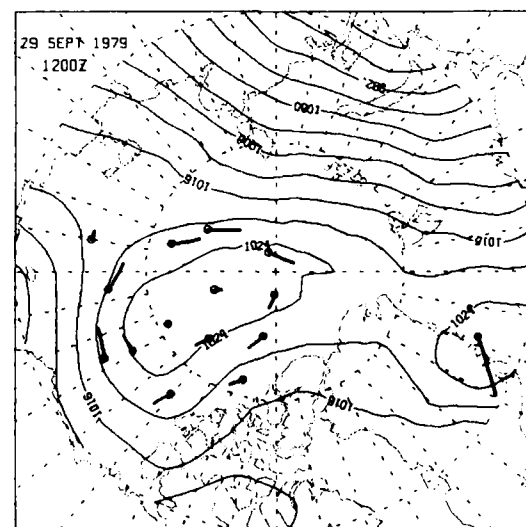
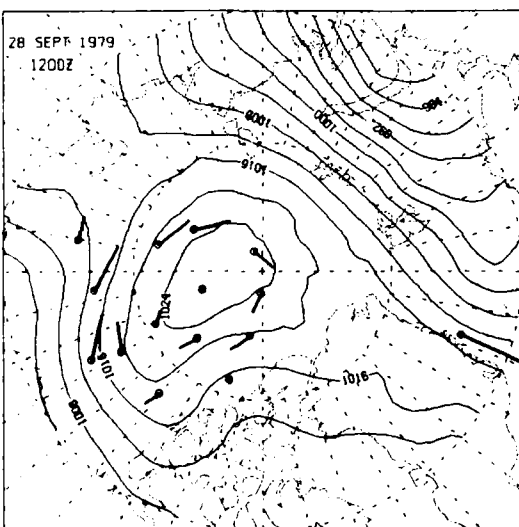
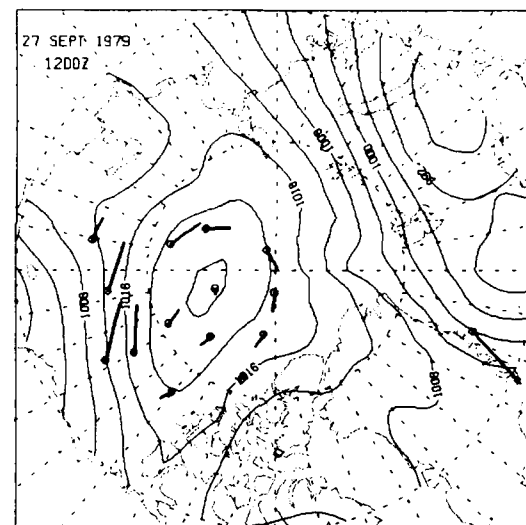
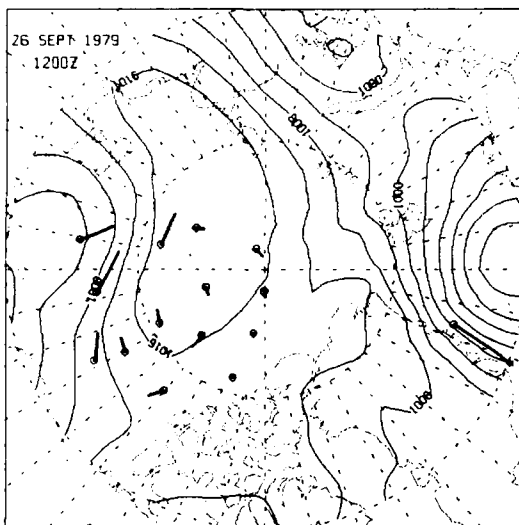
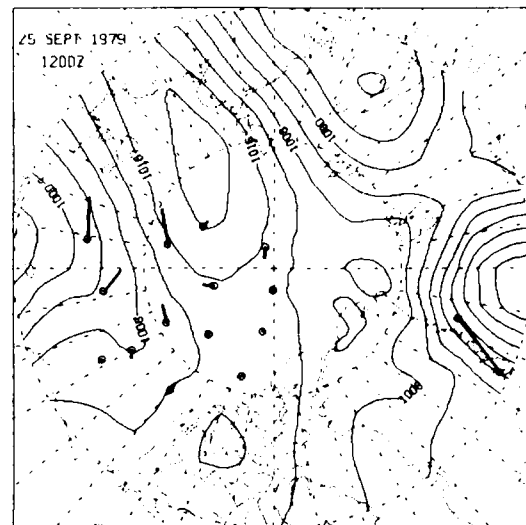
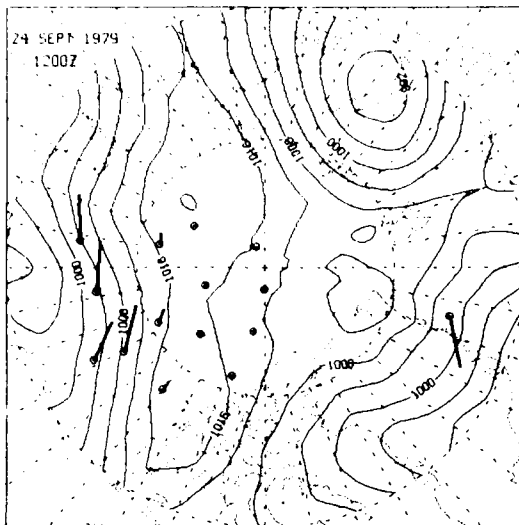




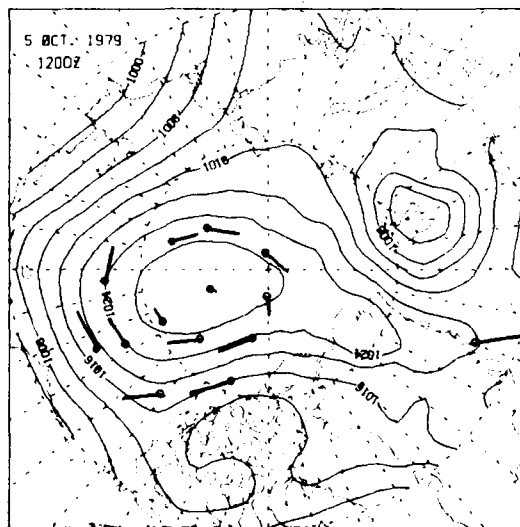
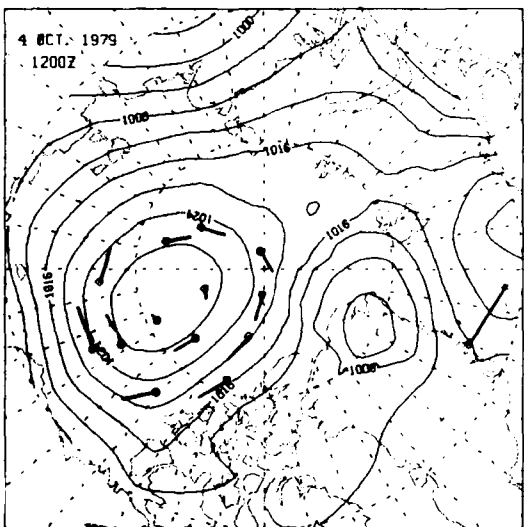
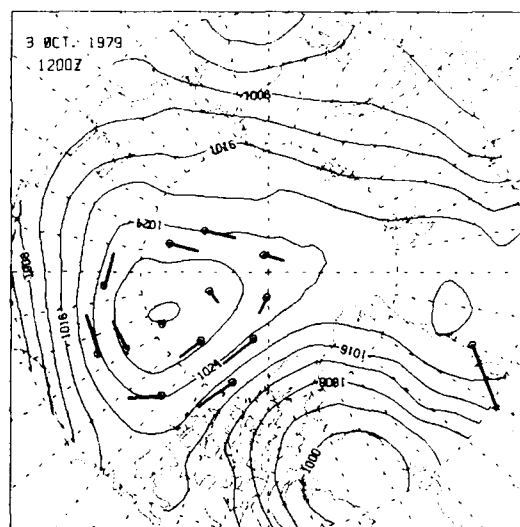
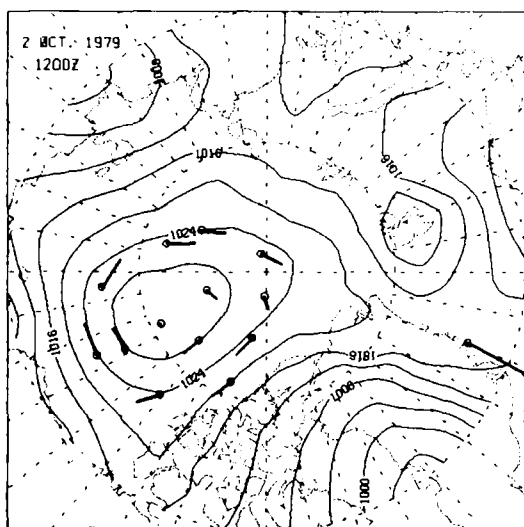
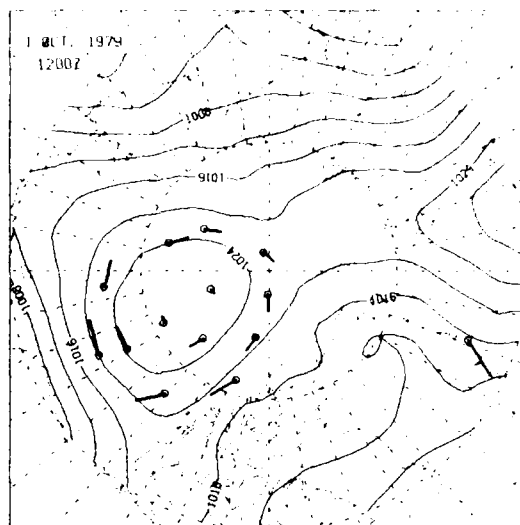
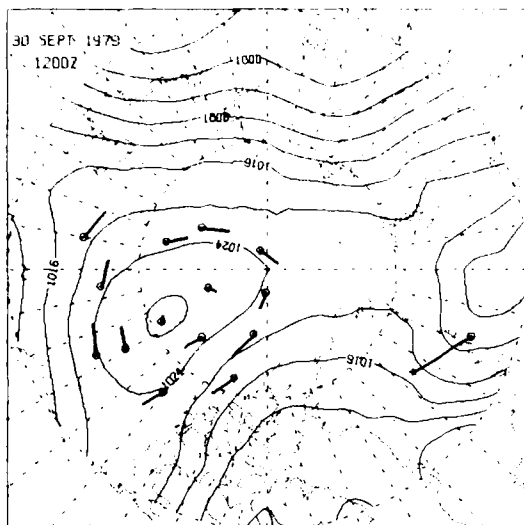
18 SEPT-23 SEPT



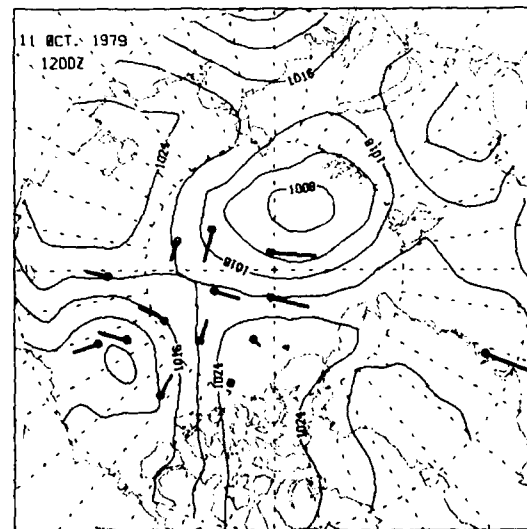
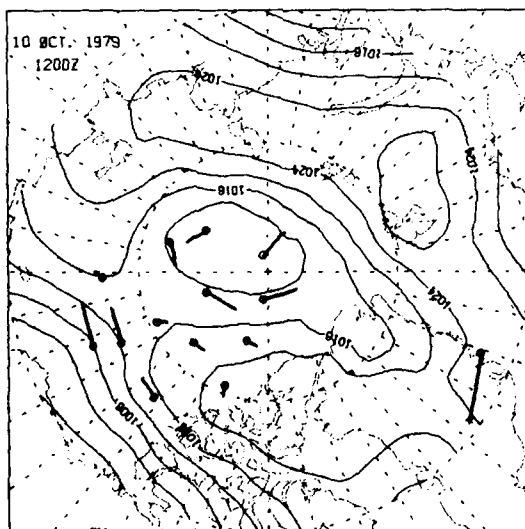
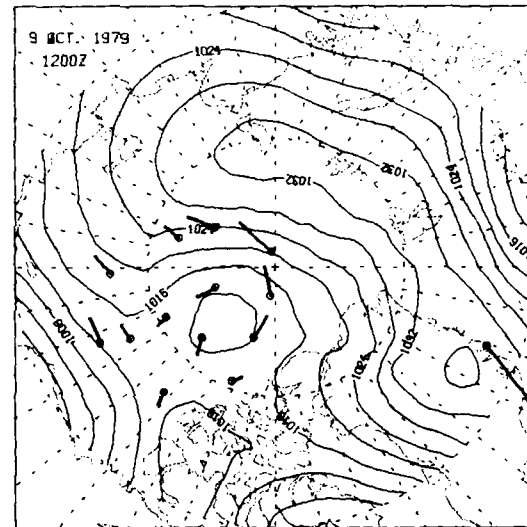
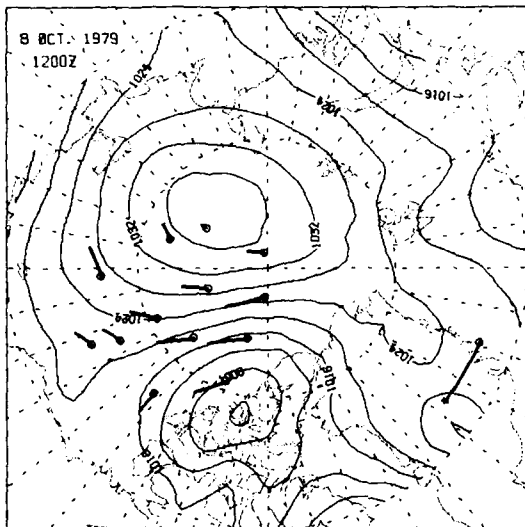
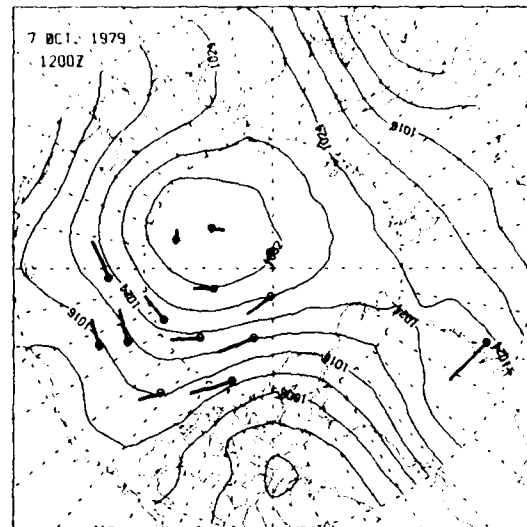
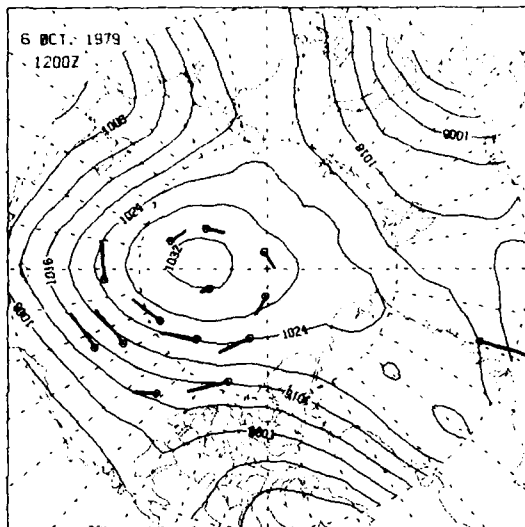
24 SEPT-29 SEPT



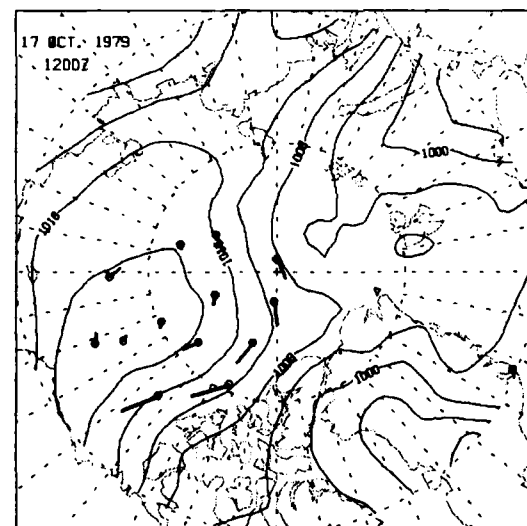
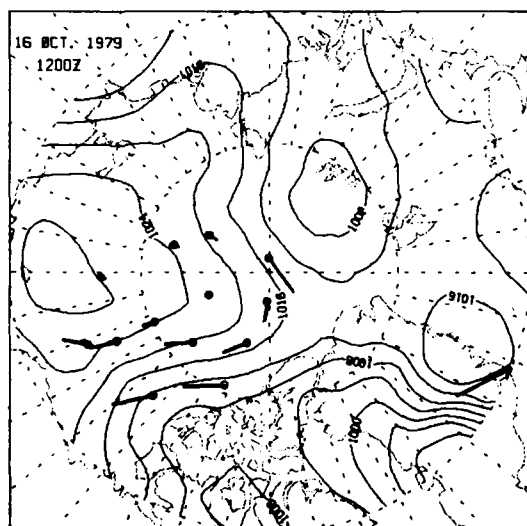
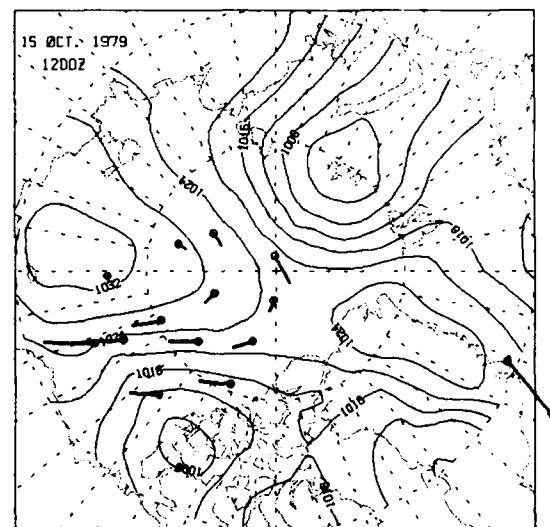
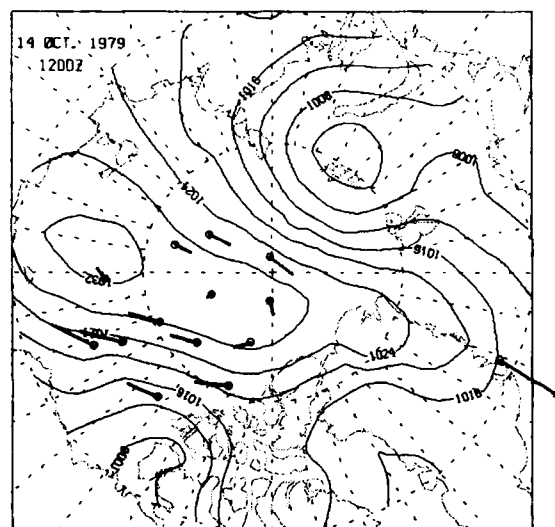
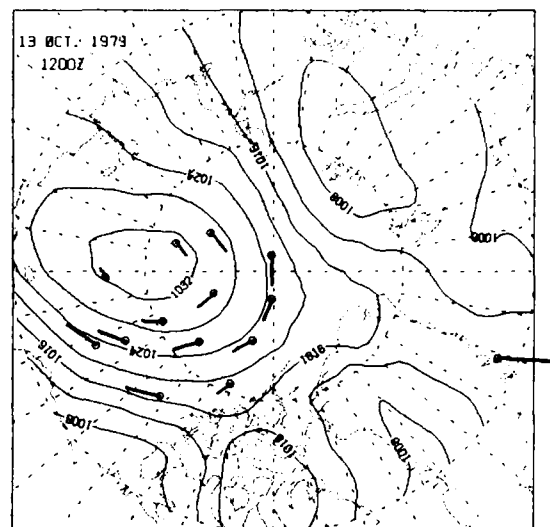
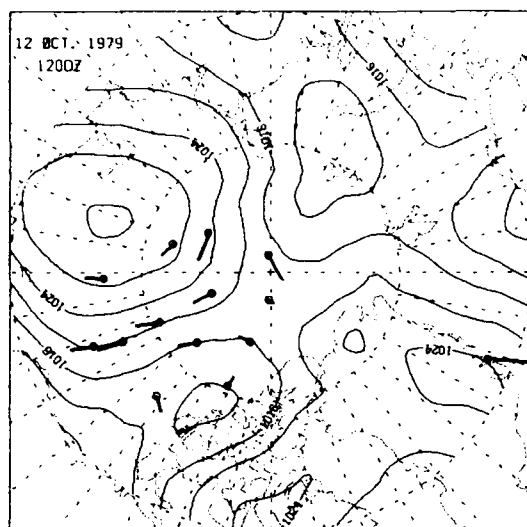
30 SEPT-5 OCT

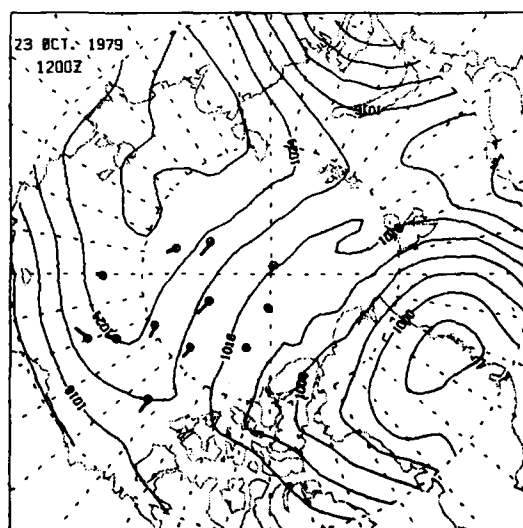
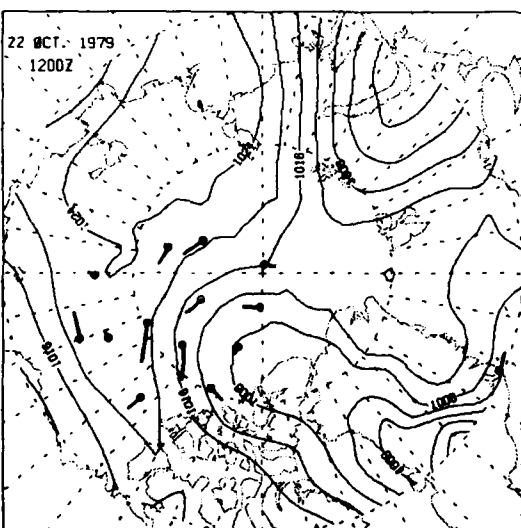
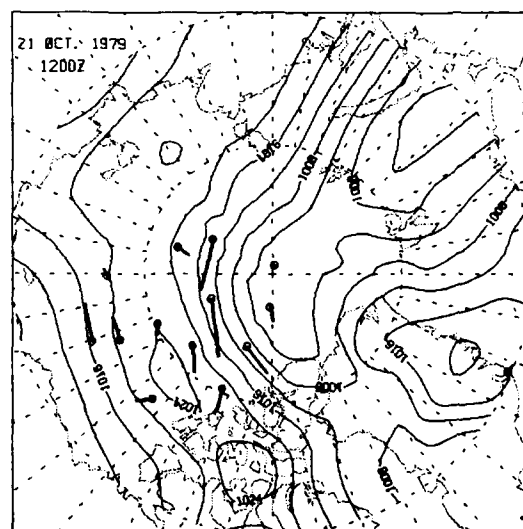
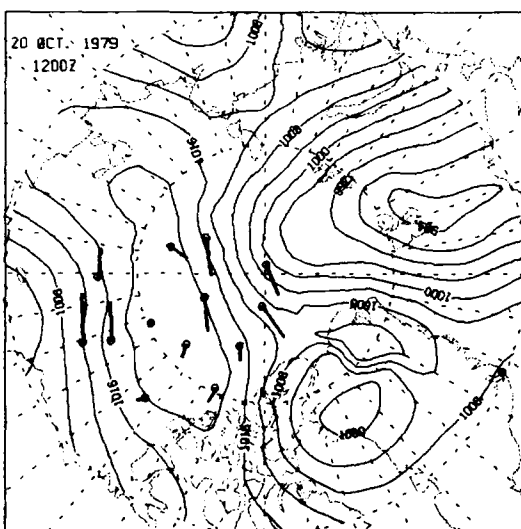
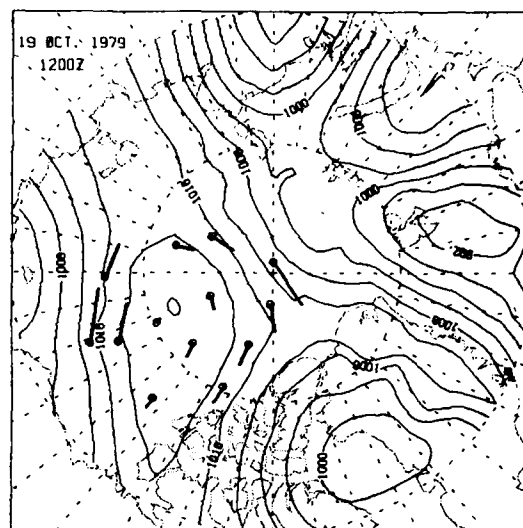
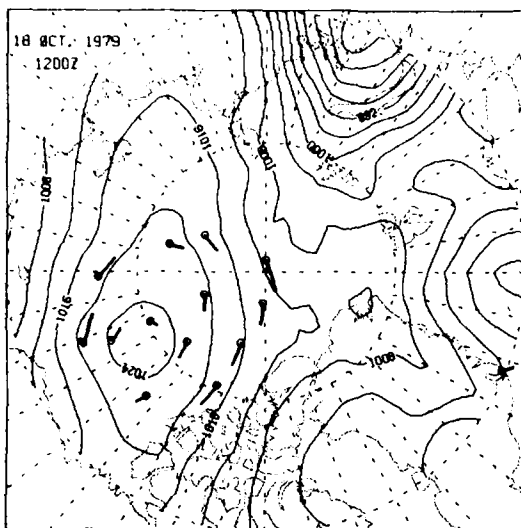


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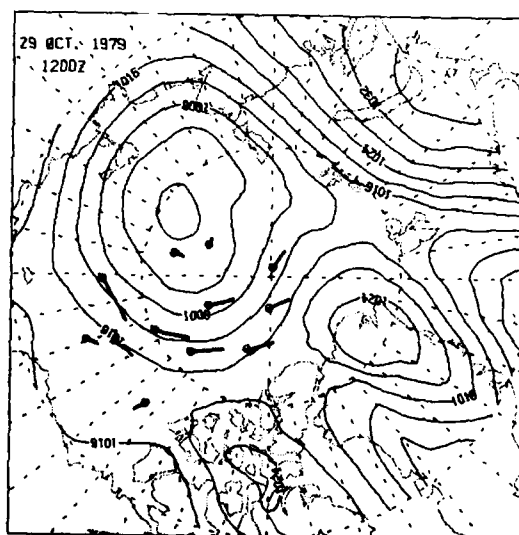
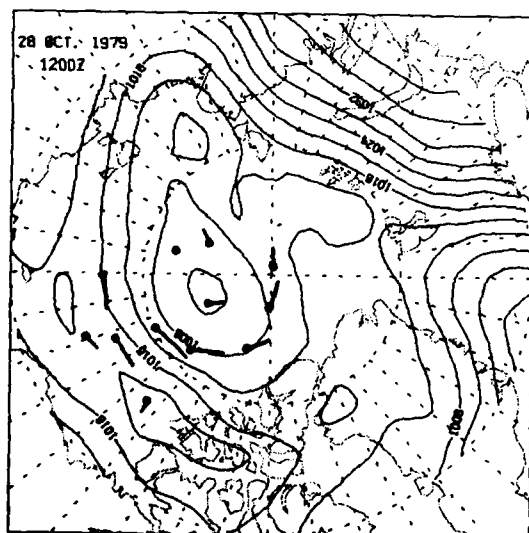
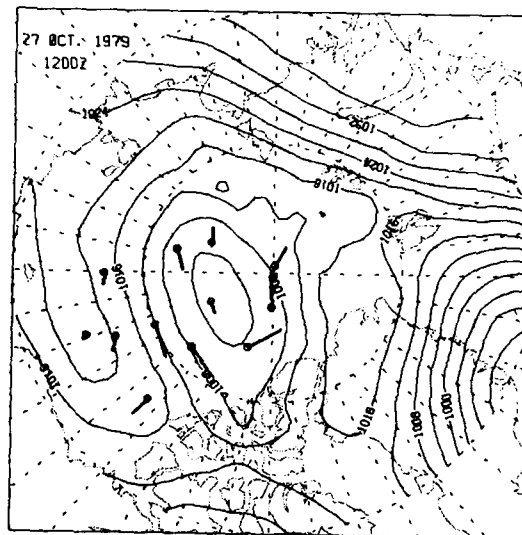
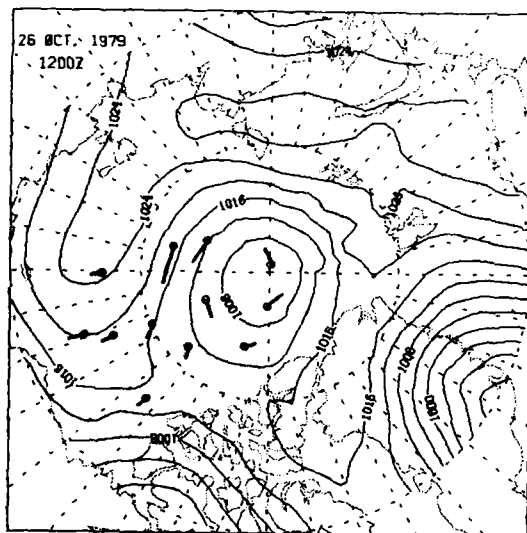
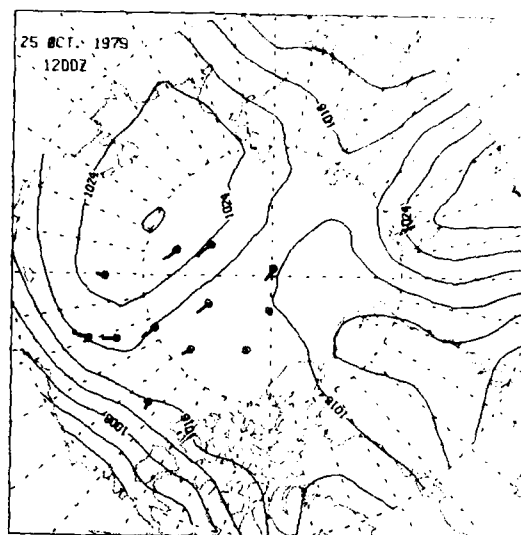
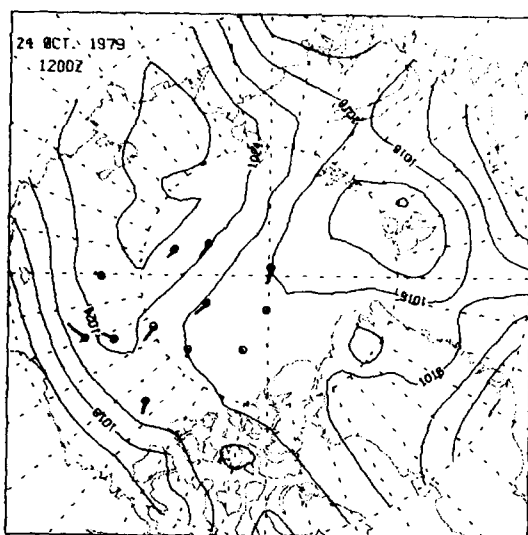


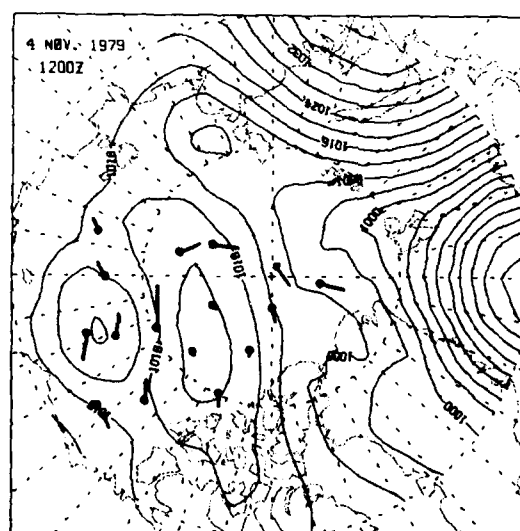
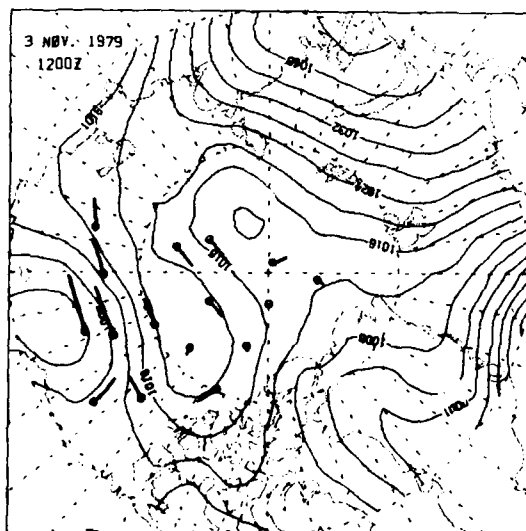
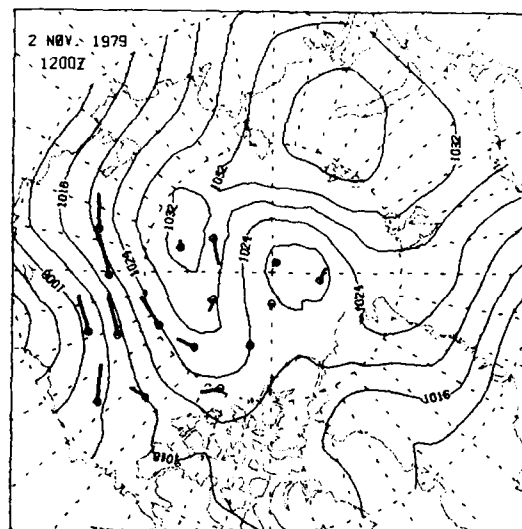
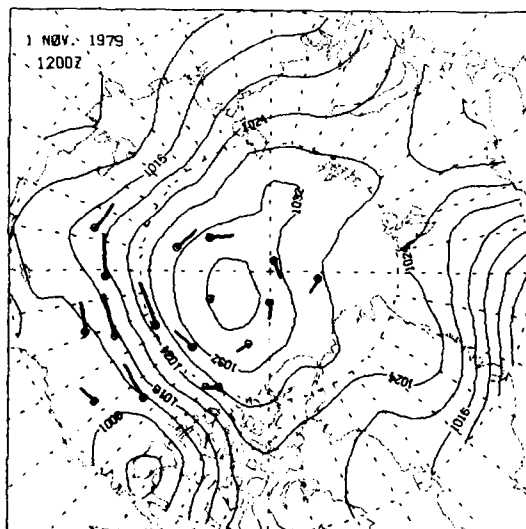
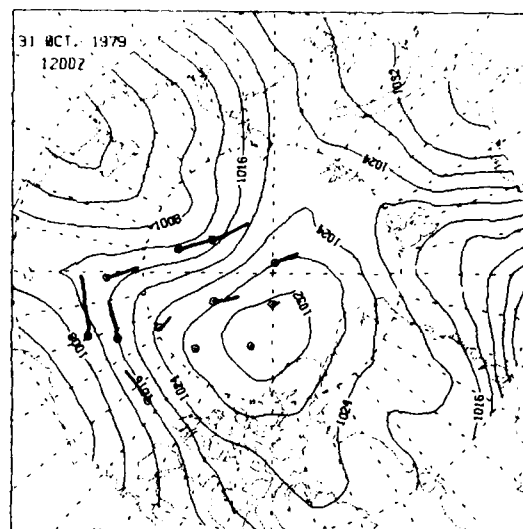
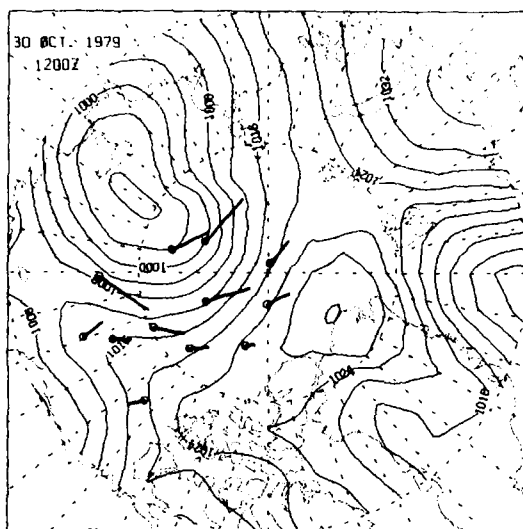
12 OCT-17 OCT



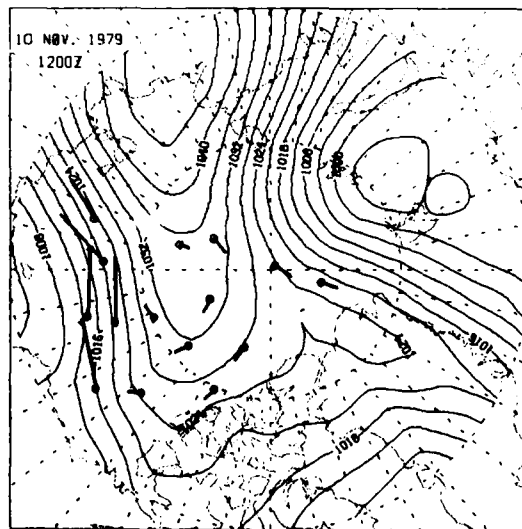
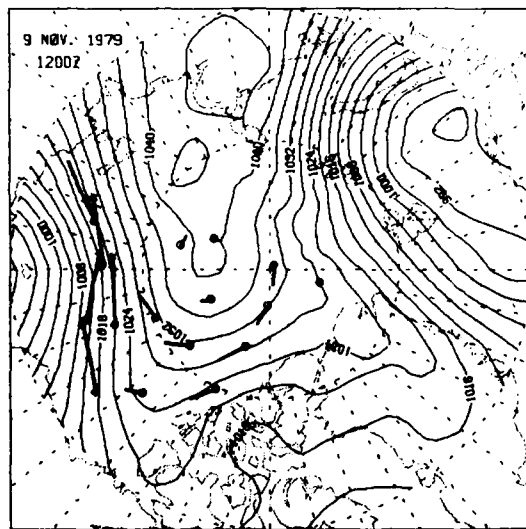
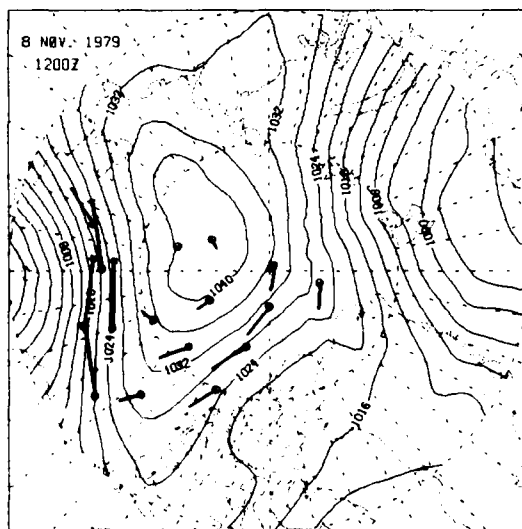
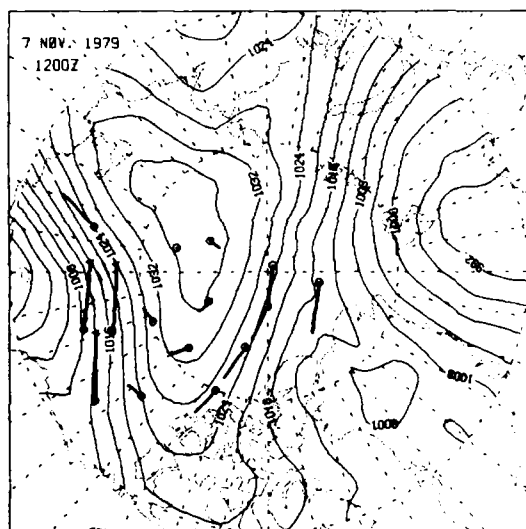
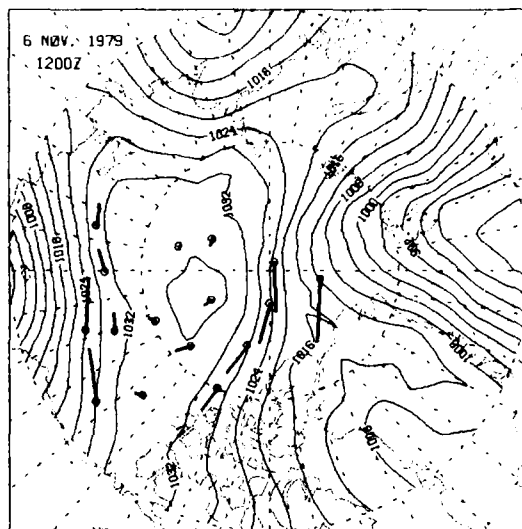
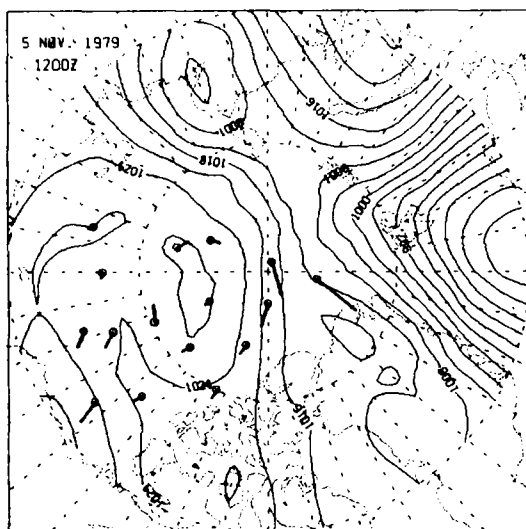


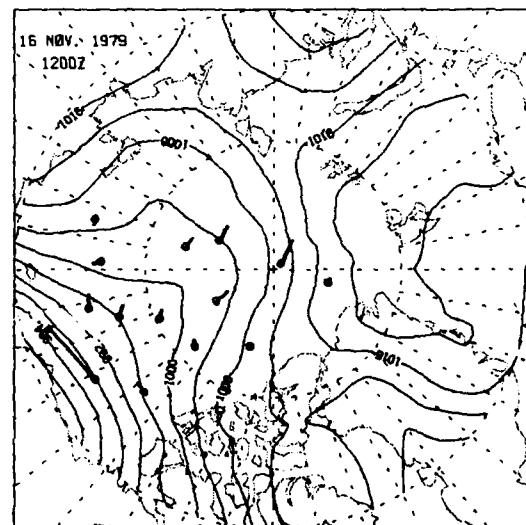
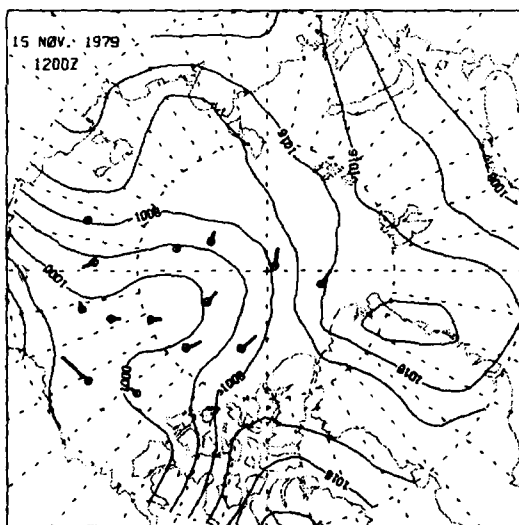
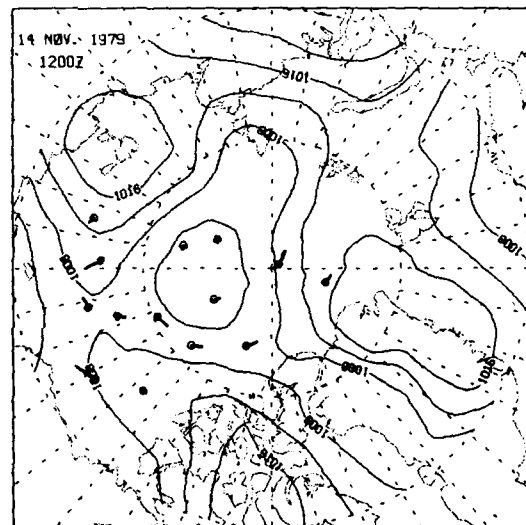
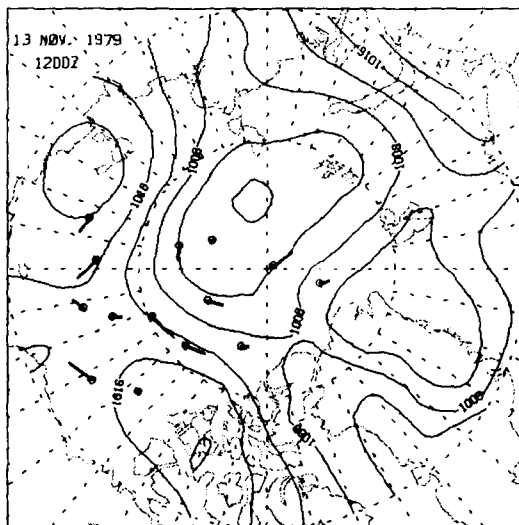
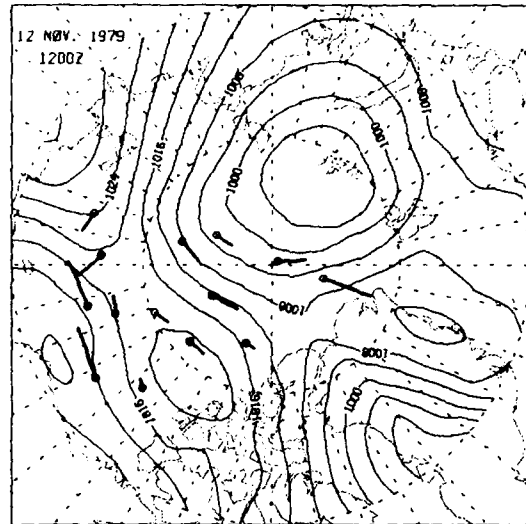
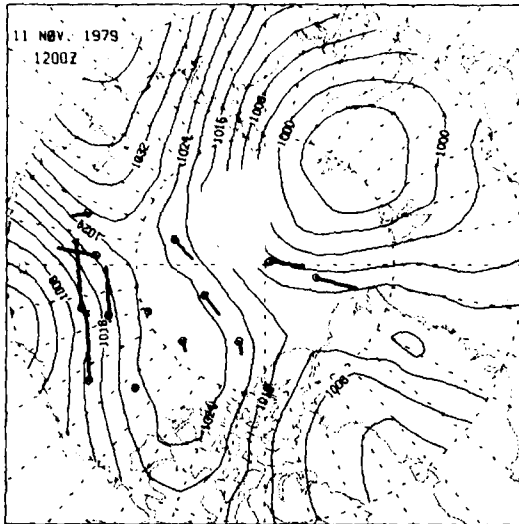
24 OCT-29 OCT



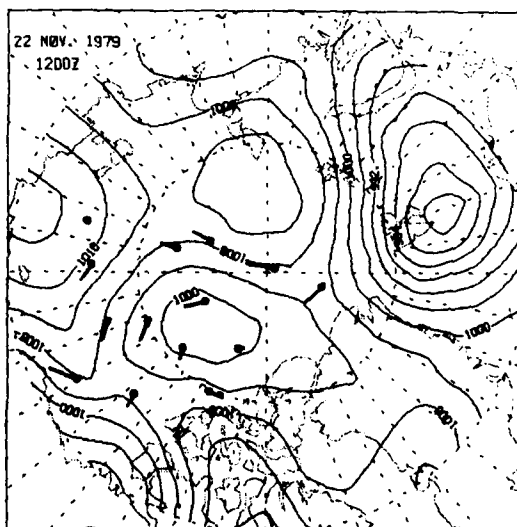
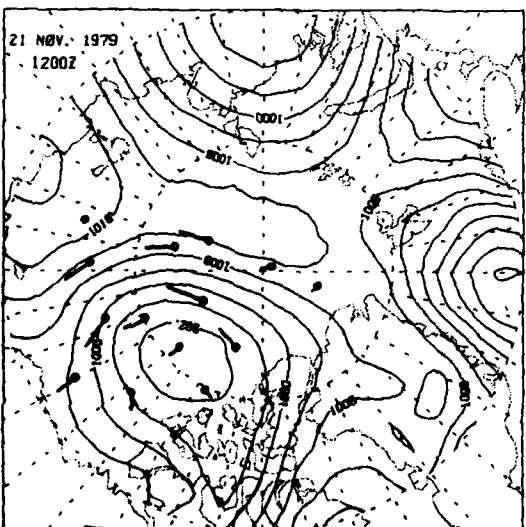
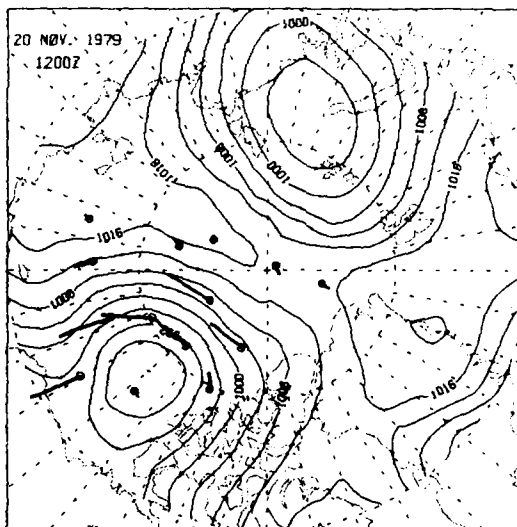
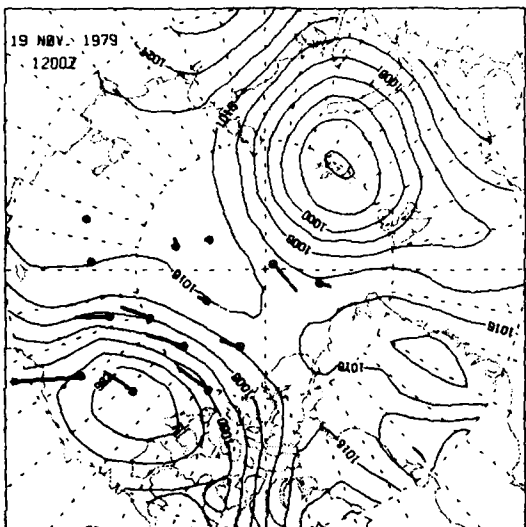
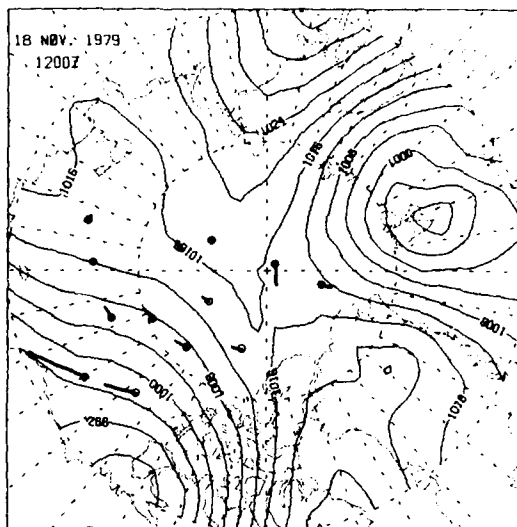
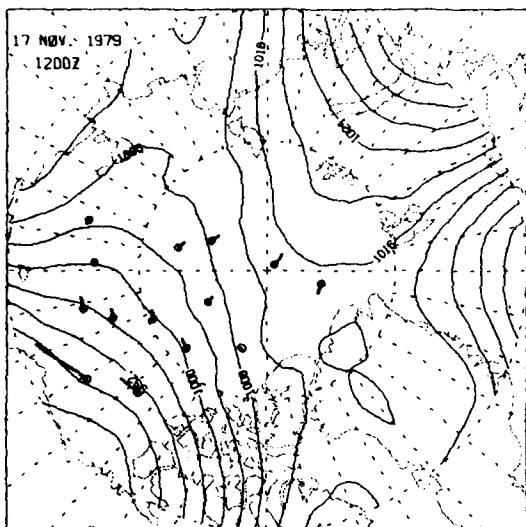


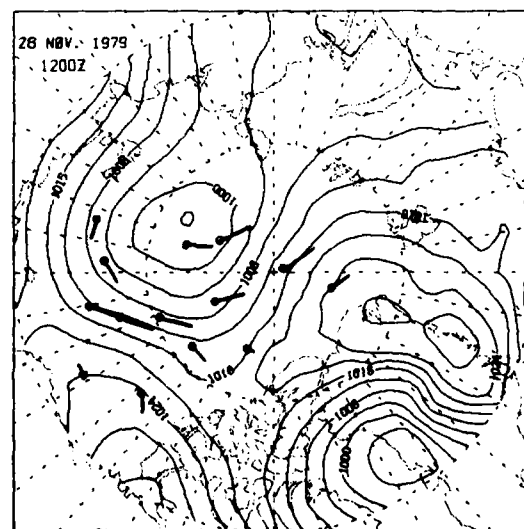
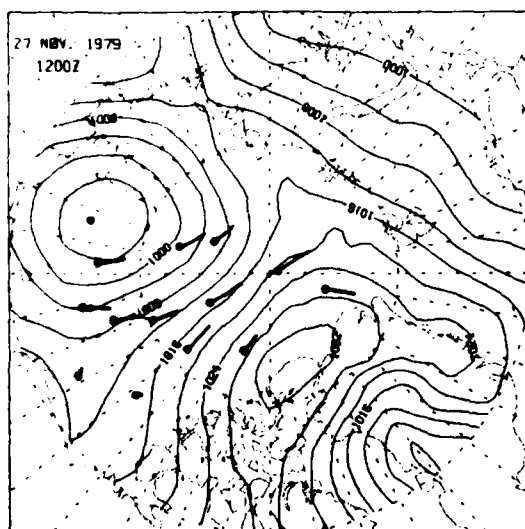
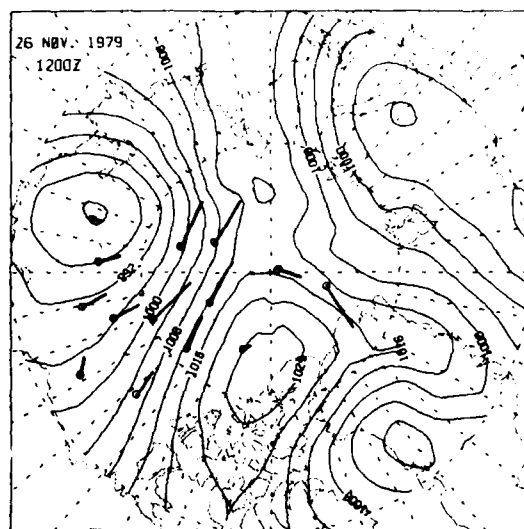
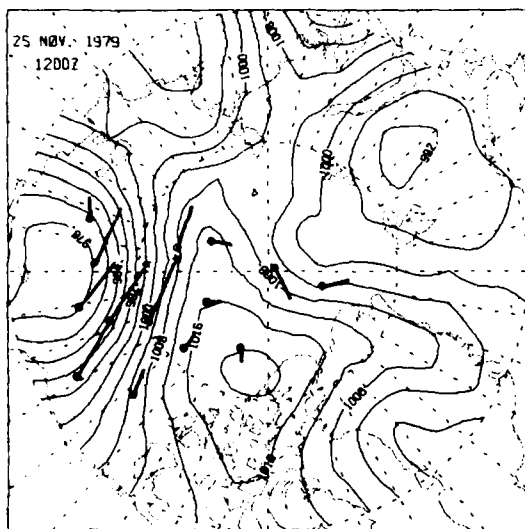
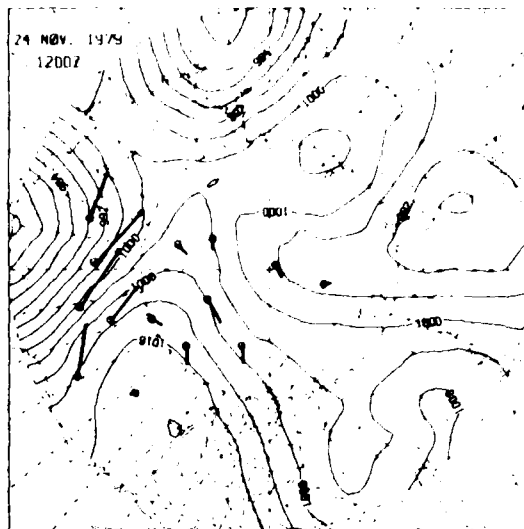
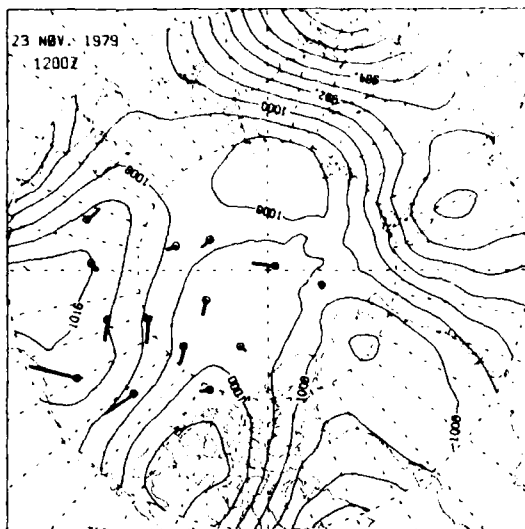
5 NOV-10 NOV



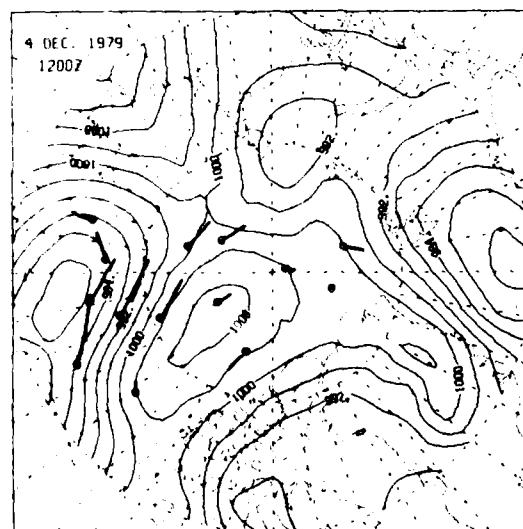
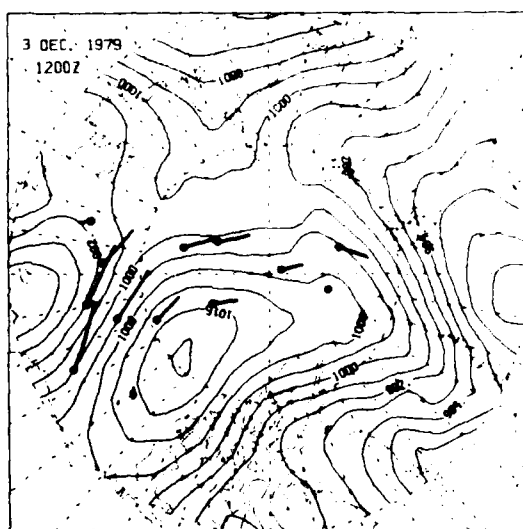
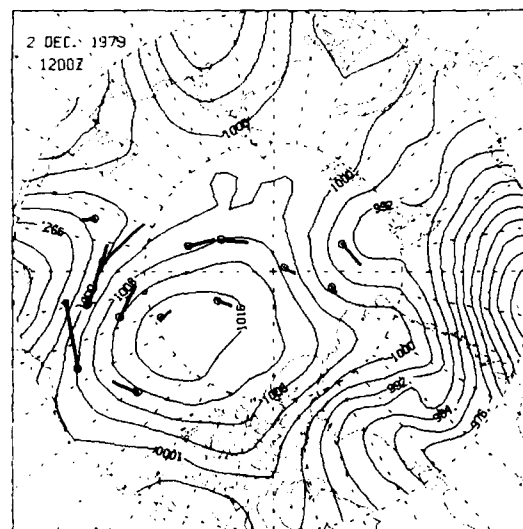
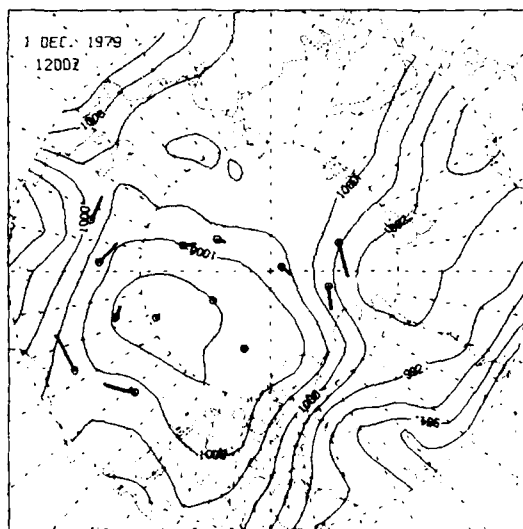
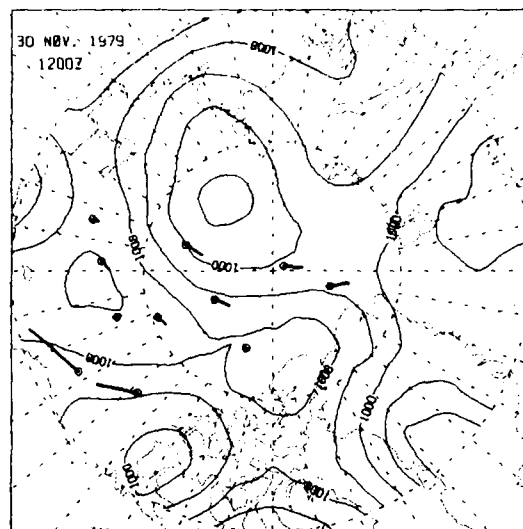
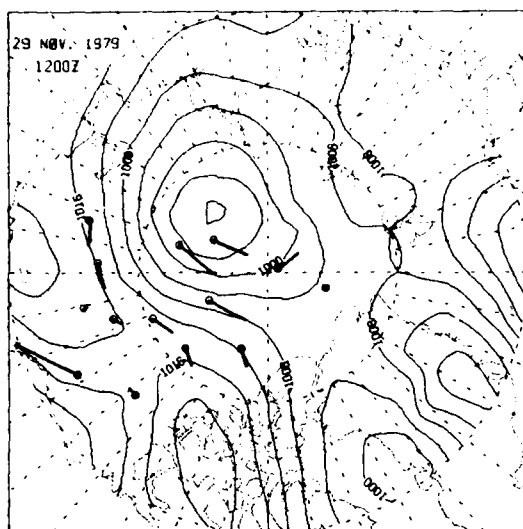


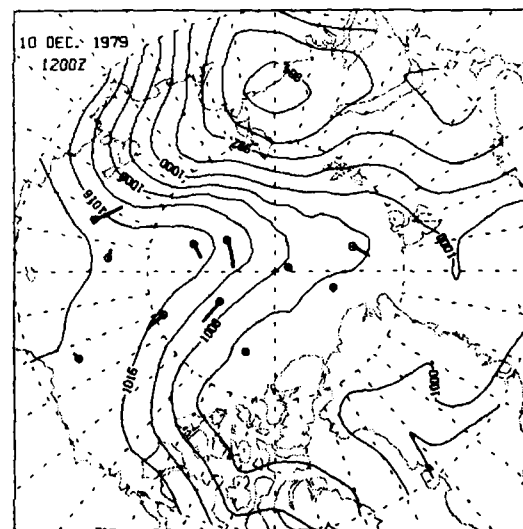
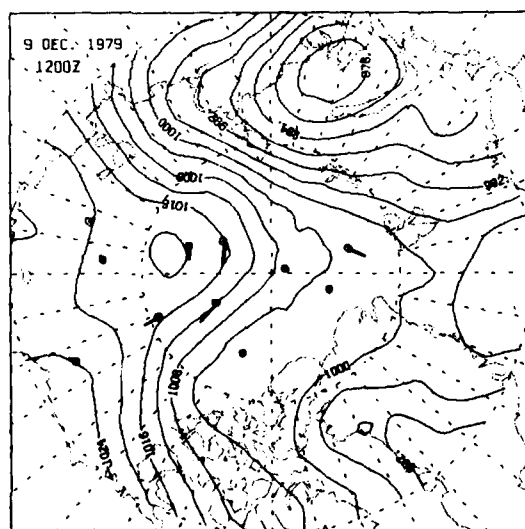
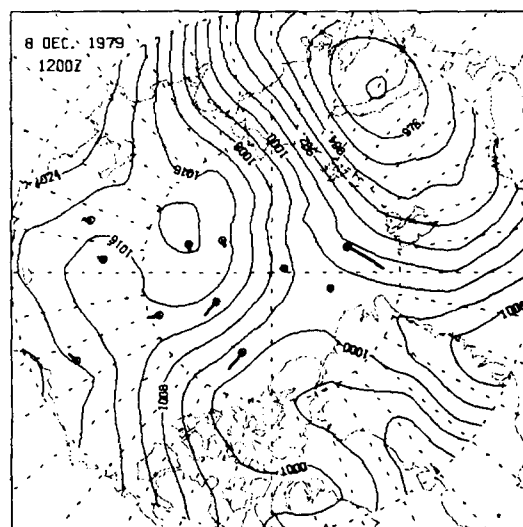
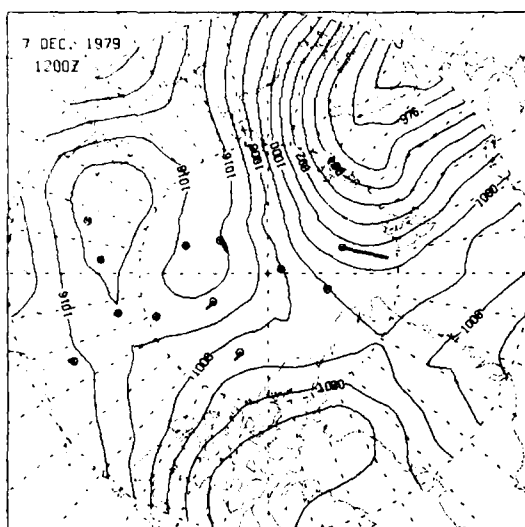
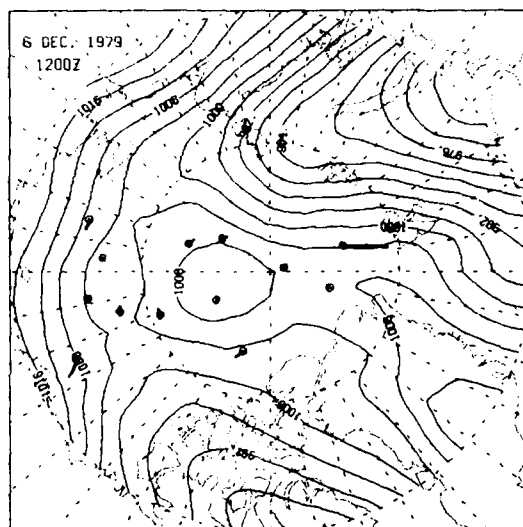
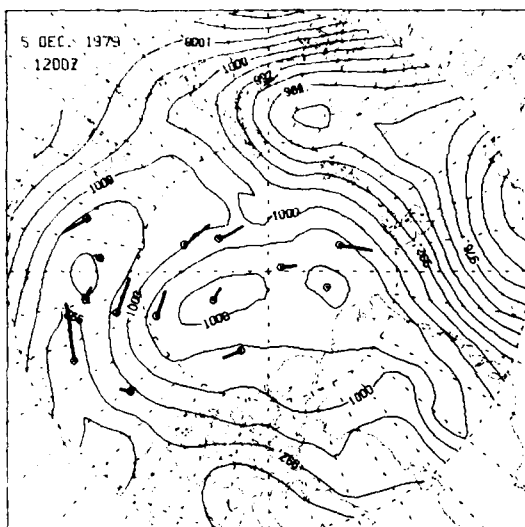
17 NOV-22 NOV



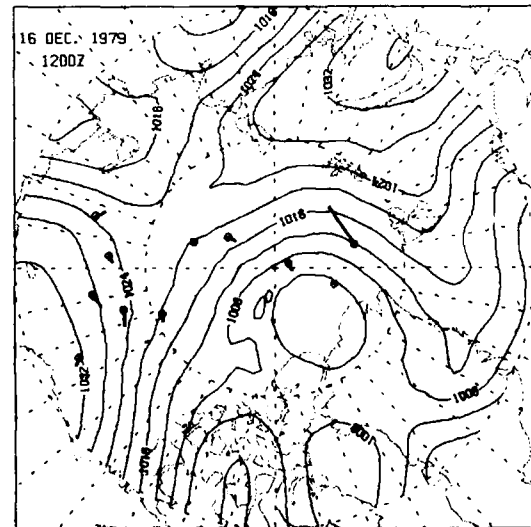
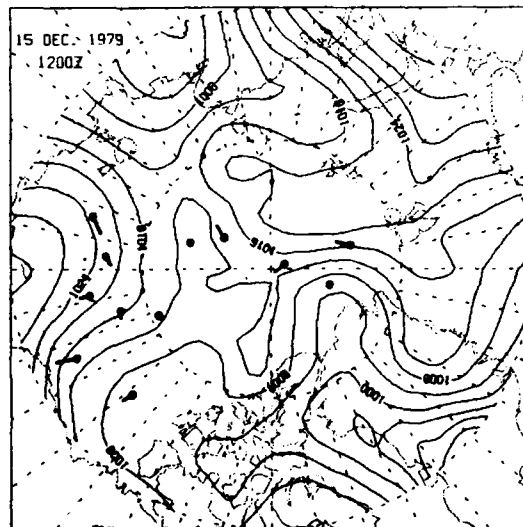
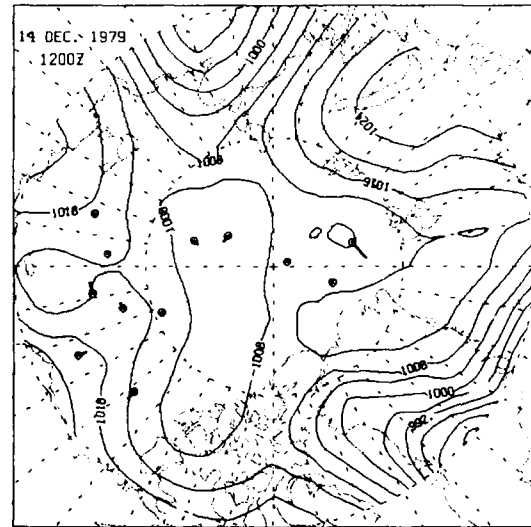
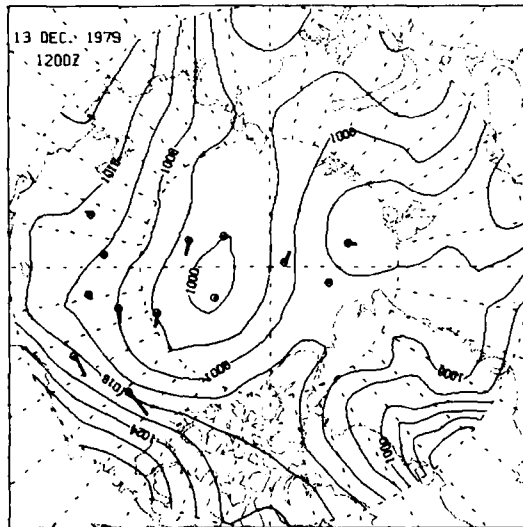
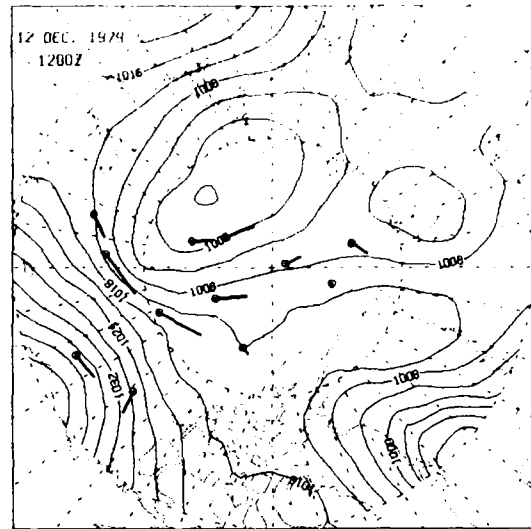
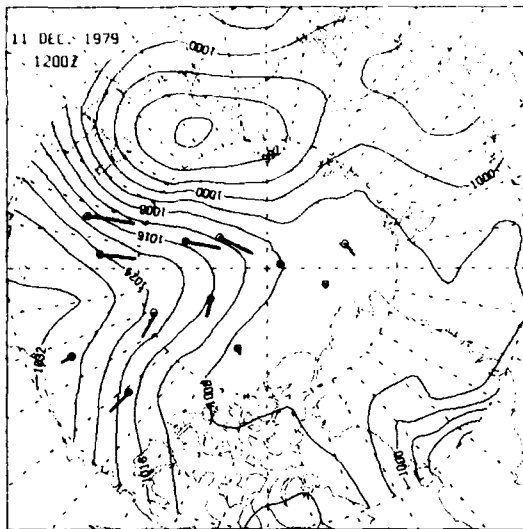


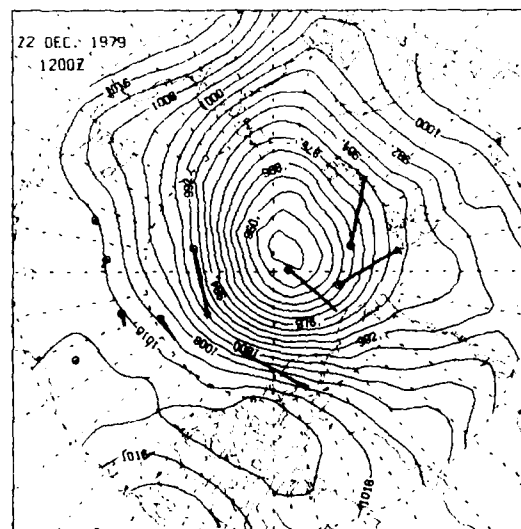
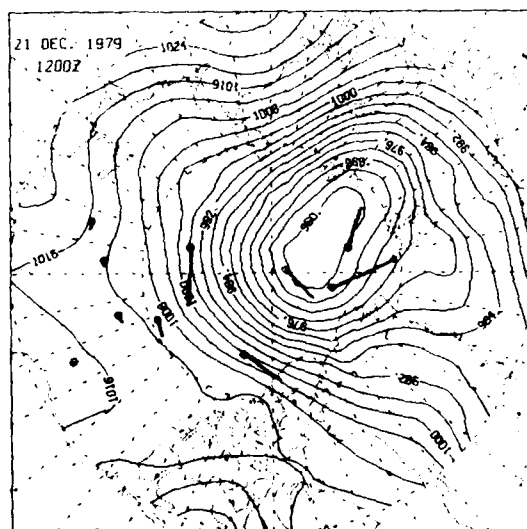
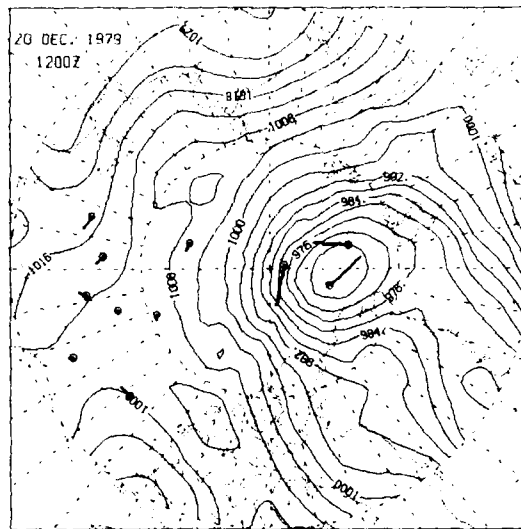
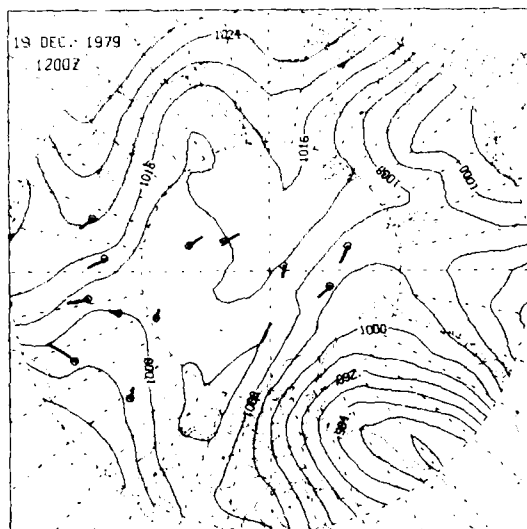
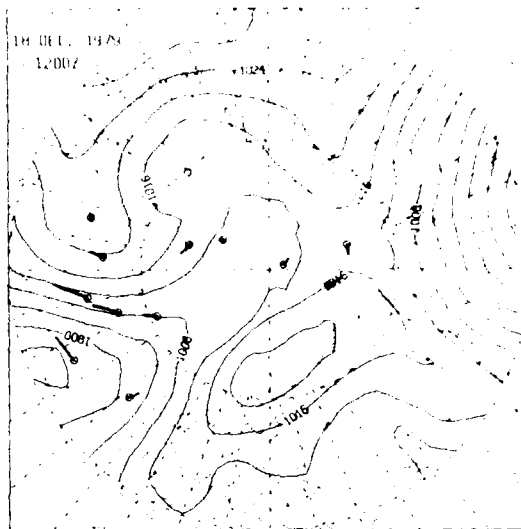
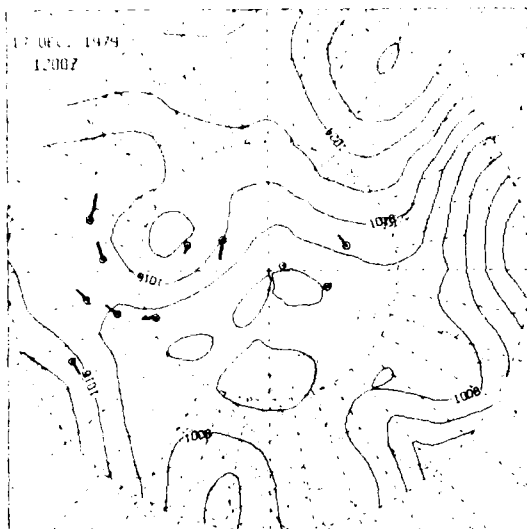
29 NOV-4 DEC



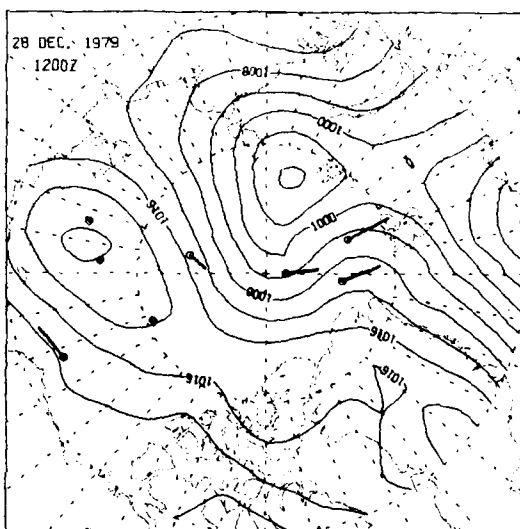
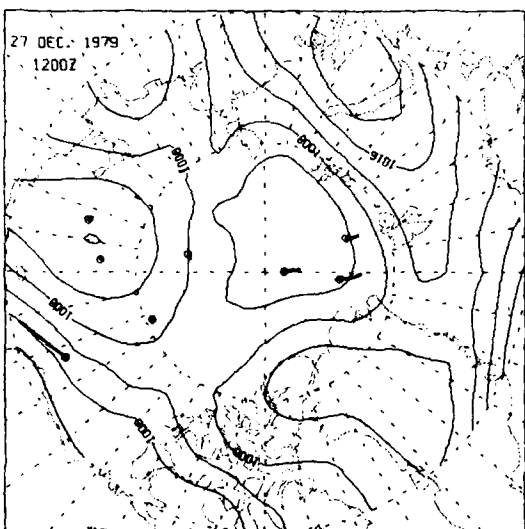
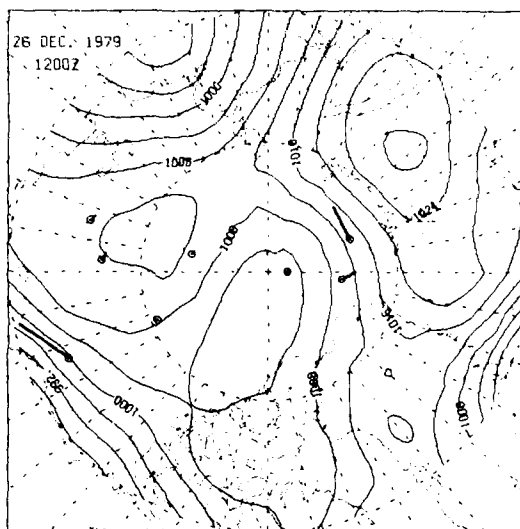
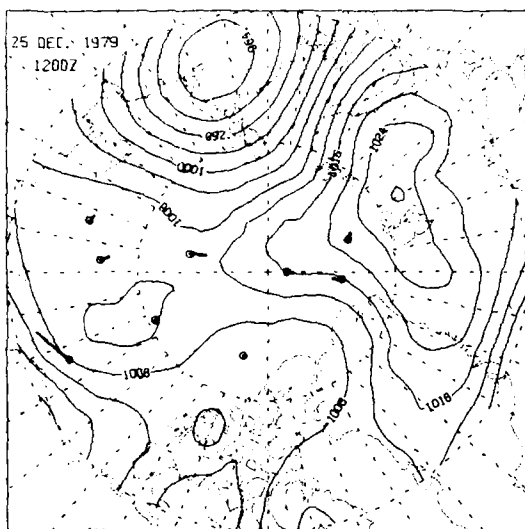
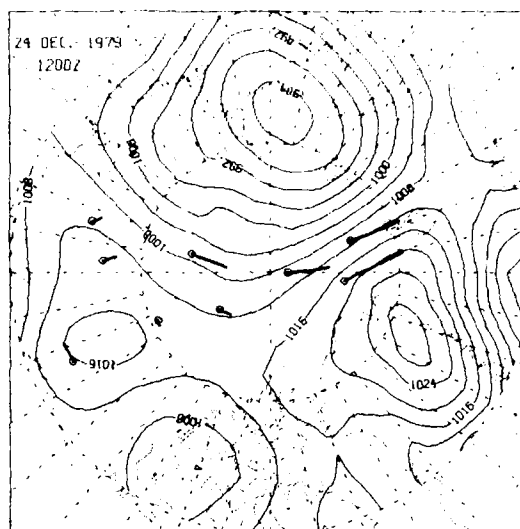
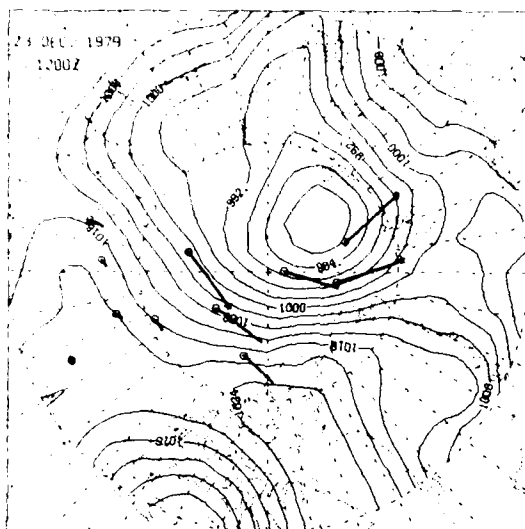


11 DEC-16 DEC





23 DEC-28 DEC



29 DEC-31 DEC

