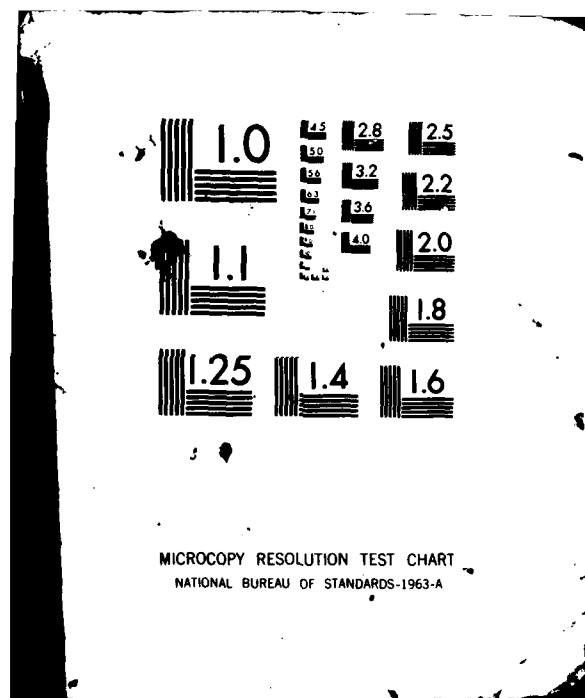
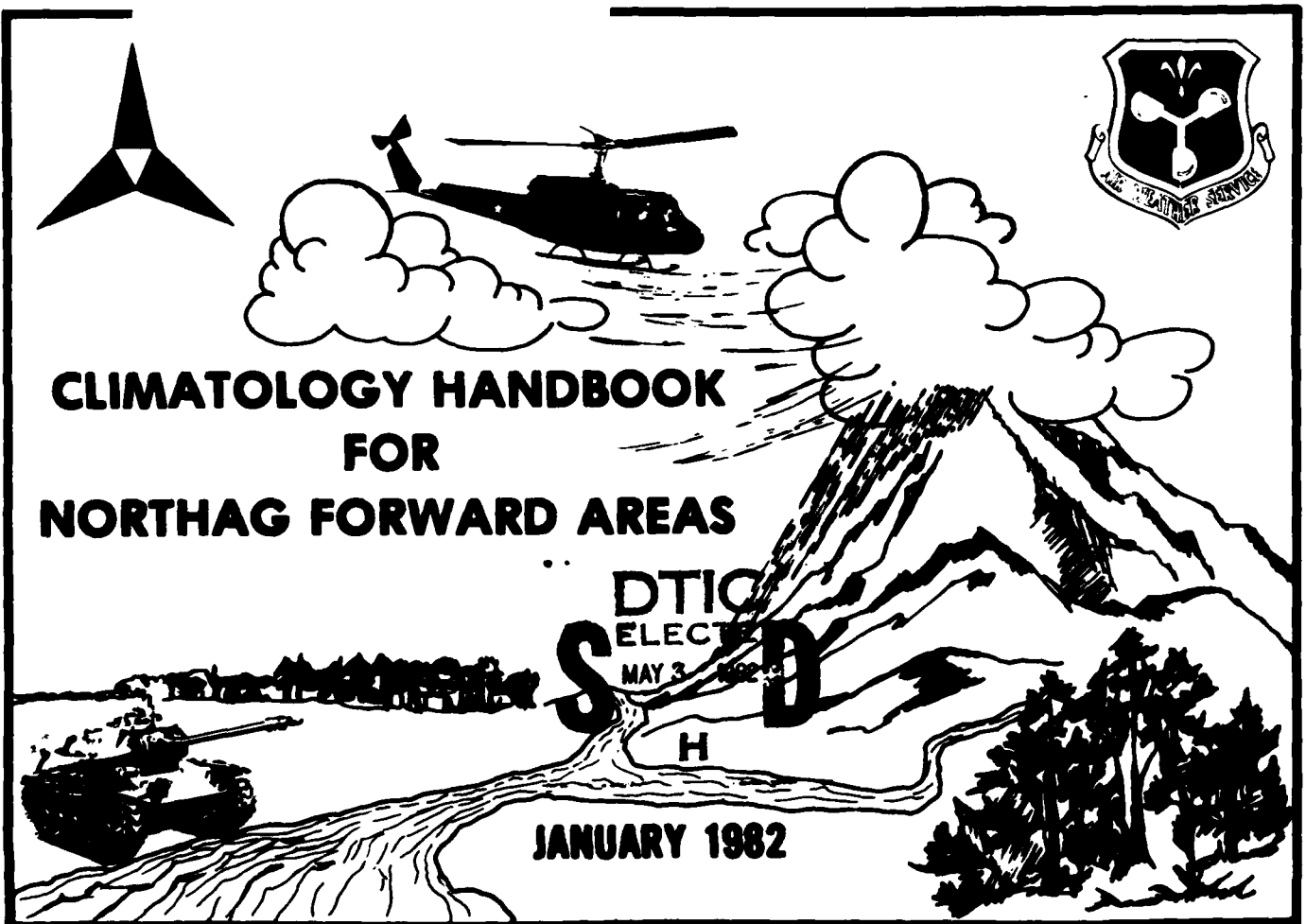






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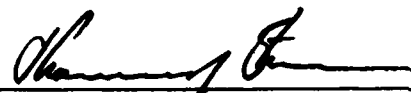
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| 18. SUPPLEMENTARY NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     |                                                                |         |         |                   |           |         |             |                    |                     |  |            |         |                    |  |                |           |             |  |            |             |               |  |
| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number)<br><table border="0"> <tr> <td>NORTHAG</td> <td>Close Air Support</td> <td>Para-Drop</td> <td>Germany</td> </tr> <tr> <td>Climatology</td> <td>Air Reconnaissance</td> <td>Chemical Operations</td> <td></td> </tr> <tr> <td>Visibility</td> <td>Wartime</td> <td>High Level Bombing</td> <td></td> </tr> <tr> <td>Terrain Flying</td> <td>Peacetime</td> <td>Temperature</td> <td></td> </tr> <tr> <td>Helicopter</td> <td>Obscuration</td> <td>Precipitation</td> <td></td> </tr> </table> |                                     |                                                                |         | NORTHAG | Close Air Support | Para-Drop | Germany | Climatology | Air Reconnaissance | Chemical Operations |  | Visibility | Wartime | High Level Bombing |  | Terrain Flying | Peacetime | Temperature |  | Helicopter | Obscuration | Precipitation |  |
| NORTHAG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Close Air Support                   | Para-Drop                                                      | Germany |         |                   |           |         |             |                    |                     |  |            |         |                    |  |                |           |             |  |            |             |               |  |
| Climatology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Air Reconnaissance                  | Chemical Operations                                            |         |         |                   |           |         |             |                    |                     |  |            |         |                    |  |                |           |             |  |            |             |               |  |
| Visibility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Wartime                             | High Level Bombing                                             |         |         |                   |           |         |             |                    |                     |  |            |         |                    |  |                |           |             |  |            |             |               |  |
| Terrain Flying                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Peacetime                           | Temperature                                                    |         |         |                   |           |         |             |                    |                     |  |            |         |                    |  |                |           |             |  |            |             |               |  |
| Helicopter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Obscuration                         | Precipitation                                                  |         |         |                   |           |         |             |                    |                     |  |            |         |                    |  |                |           |             |  |            |             |               |  |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)<br>Publication provides climatology of significant weather conditions that can be expected to impact on tactical operations in NORTHAG Forward Areas.                                                                                                                                                                                                                                                                                                                                         |                                     |                                                                |         |         |                   |           |         |             |                    |                     |  |            |         |                    |  |                |           |             |  |            |             |               |  |

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## INTRODUCTION

THE PURPOSE OF THIS PAMPHLET IS TO PROVIDE A USEFUL UNCLASSIFIED REFERENCE CONCERNING SIGNIFICANT WEATHER CONDITIONS THAT CAN BE EXPECTED TO IMPACT ON TACTICAL OPERATIONS IN NORTHAG FORWARD AREAS. IT IS DESIGNED AS AN AID IN HELPING FIELD COMMANDERS AND OTHER PLANNERS TO PRE-PLAN FIELD OPERATIONS. USED WISELY, IT WILL ENABLE TACTICAL UNITS TO TAKE FULL ADVANTAGE OF BOTH THE GOOD AND ADVERSE ASPECTS OF WEATHER CONDITIONS, REMEMBER ALSO THAT A WISE ENEMY CAN DO THE SAME.

IT MUST BE EMPHASIZED THAT INFORMATION CONTAINED IN THIS PAMPHLET IS BASED SOLELY ON CLIMATOLOGICAL RECORDS AND REPRESENTS "AVERAGES" THAT CAN BE EXPECTED FOR THE TIMES AND LOCATIONS INDICATED. THE PLANNER MUST KEEP IN MIND THAT EUROPEAN WEATHER IS VERY RADICAL IN NATURE AND OFTEN CHANGES WITHIN A FEW HOURS. WHILE THE DATA CONTAINED HERE ARE EXCELLENT TOOLS FOR THE LONG RANGE PLANNING, REAL TIME WEATHER FORECASTS CAN AND SHOULD BE OBTAINED FOR ON-GOING OPERATIONS FROM A STAFF WEATHER OFFICER.

ELEVATIONS THROUGHOUT THE PAMPHLET REFER TO METERS ABOVE SEA LEVEL.

## ABOUT THE TABLES

### I. PURPOSE:

THESE CLIMATOLOGICAL TABLES WERE PRODUCED BY OL-A, USAFETAC, IN SUPPORT OF THE US ARMY FORCES COMMAND, III CORPS AND 2ND ARMORED DIVISION FOR USE IN THE NATO NORTHERN ARMY GROUP (NORTHAG) FORWARD AREAS IN EUROPE. THE VALUES CONTAINED IN THE TABLES WERE DETERMINED TO BE MOST REPRESENTATIVE FOR THE ENTIRE FORWARD AREA AND ARE NOT MEANT TO BE REPRESENTATIVE OF ANY SPECIFIC POINT(S) IN THE AREA. THESE TABLES ARE TO PROVIDE GENERAL CLIMATOLOGICAL GUIDANCE TO THE WEATHER OFFICER OR COMMANDER IN THE FIELD. PARTICULAR INFORMATION FOR ANY SPECIFIC POINT AND TIME SHOULD BE OBTAINED FROM THE APPROPRIATE SOURCE: I.E., STAFF METEOROLOGIST, STAFF WEATHER OFFICER, DUTY FORECASTER, ETC.

### II. FORWARD AREAS:

FOR THE PURPOSE OF THESE TABLES THE-NORTHAG FORWARD AREAS CONSISTS OF THE REGION BOUNDED BY 9°00' EAST TO 12°30' EAST AND 51°00' NORTH TO 55°00' NORTH. THIS ENCOMPASSES AN AREA STRADDLING THE EAST-WEST GERMAN BORDER AND EXTENDING FROM THE NORTHERN COAST TO THE CENTRAL MOUNTAINS. DUE TO THE SIZE AND EXTENT OF THIS AREA THE TERRAIN VARIES WIDELY FROM COASTAL AND LOWLAND TO HILLS AND MOUNTAINS WITH ELEVATIONS RANGING FROM SEA LEVEL TO NEARLY 1200 METERS (4000 FEET). SUCH DIVERSE TERRAIN GREATLY AFFECTS THE METEOROLOGICAL AND CLIMATOLOGICAL CONDITIONS FROM POINT TO POINT WITHIN THE AREA.

### **III. DESCRIPTION OF TABLES:**

IN ORDER TO DEAL EFFECTIVELY WITH CLIMATOLOGICAL CHANGES DUE TO TERRAIN AND DIURNAL EFFECTS SEVERAL DIFFERENT TYPES OF TABLES ARE PRESENTED, EACH TYPE DEPENDENT UPON THE CLIMATOLOGICAL VARIABLE INVOLVED. THE FOLLOWING TYPES OF TABLES ARE USED:

A. TABLES WITH A SINGLE VALUE FOR EACH MONTH.

B. TABLES BY MONTH WITH VALUES FOR EACH OF THREE DIFFERENT RANGES OF ELEVATIONS: UP TO 249M., 250-499M. AND ABOVE 500M.

C. TABLES BY MONTH WITH VALUES FOR EACH OF EIGHT DIFFERENT HOUR GROUPS: 2300-0159, 0200-0459, 0500-0759, 0800-1059, 1100-1359, 1400-1659, 1700-1959 AND 2000-2259 LOCAL STANDARD TIME.

D. TABLES BY MONTH WITH VALUES FOR BOTH ELEVATIONS (AS ABOVE) AND HOUR GROUPS (AS ABOVE).

THERE IS AN INTRODUCTORY PAGE IN FRONT OF EACH SET OF TABLES DESCRIBING THE TABLES AND THE CRITERIA USED TO CALCULATE THE VALUES AND THEREFORE THAT INFORMATION WILL NOT BE REPEATED HERE. IT SHOULD BE NOTED HOWEVER THAT THE TABLES ENTITLED "GROUND OBSCURATION" IN FACT CONTAIN VALUES INDICATING THE PERCENT OF TIME WHEN NO GROUND OBSCURATION EXISTS.

### **IV. DATA SOURCES:**

THE MAJORITY OF THE TABLES WERE PRODUCED USING THE MOST CURRENT DATA AVAILABLE, 1973-1980. CHOOSING THIS PERIOD OF RECORD ALLOWED THE USE OF EIGHT YEARS OF CONSISTENT AND CONCURRENT DATA FOR ALL STATIONS. HOWEVER, THIS EIGHT-YEAR PERIOD WAS NOT PRACTICAL OR EVEN ADVISABLE FOR USE IN ALL THE TABLES. THE "MEAN MONTHLY PRECIPITATION" TABLES WERE BASED

PRIMARILY UPON 27 YEARS OF DATA COVERING THE PERIOD 1953-1979. THESE WERE SUPPLEMENTED AND CORROBORATED BY OTHER DATA SOURCES AS NECESSARY. THE "SNOW DEPTH" AND "TEMPERATURE" TABLES WERE OBTAINED FROM VARIOUS SOURCES AND DIFFERING PERIODS OF RECORD. THE USE OF ONE DATA SOURCE IN PREFERENCE TO ANOTHER WAS DETERMINED BY THE AVAILABILITY AND ACCESSIBILITY OF THE DATA AND THE EFFORT TO PROVIDE THE BEST QUALITY WITHIN THE TIME LINES DICTATED BY THE PROJECT.

V. ANALYSIS TECHNIQUES:

TWO DIFFERENT METHODS WERE USED FOR SUMMARIZATION AND PRESENTATION OF THE CLIMATOLOGICAL VALUES TO BE ANALYZED. THESE WERE MANUAL SUMMARIZATION AND COLLATION OF VALUES WHICH WERE THEN PLOTTED ON WEATHER CHARTS AND SUMMARIZATION BY COMPUTER WITH THE OUTPUTS GROUPED BY MONTH, ELEVATION AND HOUR GROUPS. REGARDLESS OF THE METHOD USED TO PREPARE THE DATA, ALL FINAL VALUES WERE SELECTED BASED UPON THE ANALYSIS AND JUDGEMENT OF METEOROLOGISTS. DATA FROM APPROXIMATELY 35 STATIONS WERE USED TO PROVIDE INPUT TO THE ANALYSES. DURING THE ANALYSIS PHASE, ADJUSTMENTS AND CORRECTIONS TO THE DATA WERE MADE. THESE CHANGES WERE MADE TO ACCOUNT FOR DIFFERENCES CAUSED BY VARYING DATA SOURCES, VARYING DATA AVAILABILITY, DATA CODES AND LOCAL REPORTING PRACTICES, AND THE RESULTING SHORTCOMINGS IN SUMMARIZATION TECHNIQUES. ALTHOUGH THE FINAL VALUES SELECTED WERE DETERMINED TO BE MOST REPRESENTATIVE OF THE ENTIRE AREA, IN SOME INSTANCES LARGE VARIATIONS OCCURED WITHIN THE AREA. WHENEVER POSSIBLE, FOOTNOTES WERE ADDED TO THE TABLES SHOWING HOW AND WHERE ADJUSTMENTS SHOULD BE MADE TO THE DATA TO HELP ACCOUNT FOR THE VARIABILITY. NO ATTEMPTS WERE MADE TO CHARACTERIZE VARIATIONS AT RANDOM POINTS WHICH WERE CAUSED BY UNIQUE LOCALIZED FEATURES. IN FACT, SUCH DATA WERE TREATED VERY CAUTIOUSLY SO AS TO AVOID BIASING THE OVERALL SITUATION TOWARD LOCAL EFFECT(S).

VI. GENERAL COMMENTS:

THESE TABLES REPRESENT THE MOST ACCURATE AND MOST REPRESENTATIVE DATA AVAILABLE, UNDER THE CONSTRAINTS OF AVAILABLE MANPOWER AND THE REQUIRED DUE DATE, AND THEY SHOULD BE USED WITH DUE REGARD FOR THE FACT THAT THEY ARE FOR GENERAL CLIMATOLOGICAL GUIDANCE. HOWEVER, IT IS RECOGNIZED THAT IMPROVEMENTS IN THE SPECIFICATIONS WILL DOUBTLESS BE AVAILABLE LATER, AS BETTER ALGORITHMS AND ADDITIONAL DATA BECOME AVAILABLE. OL-A, USAFETAC WILL BE LOOKING INTO THESE AREAS AND WILL UPDATE THESE TABLES WHENEVER SIGNIFICANT CHANGES AND/OR IMPROVEMENTS CAN BE MADE. WE WOULD APPRECIATE FEEDBACK SUGGESTIONS AND/OR COMMENTS ON THE TABLES AND THEIR STRENGTHS OR WEAKNESSES. THIS WILL AID IN PRODUCING FUTURE, IMPROVED TABLES.

## PART 1

### VISIBILITY CHARTS

THESE CHARTS ARE DESIGNED TO ENABLE FIELD COMMANDERS IN NORTHAG FORWARD AREAS TO PRE-SITE AND PRE-PLAN THE SITING OF THEIR WEAPONS SYSTEMS. THE USE OF 80 AND 90 PERCENTILE FACTORS PROVIDES A SIGNIFICANT DEGREE OF RELIABILITY FOR VARYING TIMES OF THE DAY THROUGHOUT THE YEAR.

THE VISIBILITY STATISTICS LISTED IN THIS PART CAN BE USED FOR PLANNING OTHER OPERATIONS WHICH DEPEND HEAVILY ON VISIBILITY CAPABILITIES. A PRIME EXAMPLE IS ROUTING AND MOVEMENT OF MILITARY CONVOYS.

VALUES ARE SUCH THAT 90% (80%) OF THE TIME THE VISIBILITY IS GREATER THAN OR EQUAL TO THE VALUE.

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING JAN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                     | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                                                                                                                                                                                                                       | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                                                                                                                                                                                                                           | 1100                                                                                                                                                                                | (2200) | 1100                     | (2200) | 100              | (200)  |
| 0200 - 0459                                                                                                                                                                                                                           | 1100                                                                                                                                                                                | (2200) | 900                      | (2200) | 100              | (200)  |
| 0500 - 0759                                                                                                                                                                                                                           | 1300                                                                                                                                                                                | (2200) | 800                      | (2200) | 300              | (700)  |
| 0800 - 1059                                                                                                                                                                                                                           | 900                                                                                                                                                                                 | (1800) | 700                      | (1500) | 400              | (700)  |
| 1100 - 1359                                                                                                                                                                                                                           | 1100                                                                                                                                                                                | (2200) | 1300                     | (2200) | 600              | (900)  |
| 1400 - 1659                                                                                                                                                                                                                           | 1100                                                                                                                                                                                | (2200) | 1300                     | (2200) | 800              | (1100) |
| 1700 - 1959                                                                                                                                                                                                                           | 1100                                                                                                                                                                                | (2200) | 1100                     | (2200) | 600              | (1100) |
| 2000 - 2259                                                                                                                                                                                                                           | 1100                                                                                                                                                                                | (2600) | 1500                     | (2600) | 400              | (800)  |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>600</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>900</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |        |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING FEB

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                      | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90%</u> ( <u>80%</u> ) OF THE TIME. |        |                          |        |                  |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                                                                                                                                                                                                                        | UP TO 249 METERS                                                                                                                                                                             |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                                                                                                                                                                                                                            | 900                                                                                                                                                                                          | (1800) | 900                      | (2200) | 100              | (200)  |
| 0200 - 0459                                                                                                                                                                                                                            | 900                                                                                                                                                                                          | (1800) | 400                      | (1800) | 100              | (200)  |
| 0500 - 0759                                                                                                                                                                                                                            | 800                                                                                                                                                                                          | (1800) | 600                      | (1300) | 100              | (700)  |
| 0800 - 1059                                                                                                                                                                                                                            | 700                                                                                                                                                                                          | (1500) | 600                      | (1300) | 300              | (1100) |
| 1100 - 1359                                                                                                                                                                                                                            | 1100                                                                                                                                                                                         | (2200) | 1100                     | (2200) | 500              | (1300) |
| 1400 - 1659                                                                                                                                                                                                                            | 1500                                                                                                                                                                                         | (2600) | 1100                     | (2200) | 600              | (1300) |
| 1700 - 1959                                                                                                                                                                                                                            | 1300                                                                                                                                                                                         | (2200) | 1100                     | (1800) | 500              | (1100) |
| 2000 - 2259                                                                                                                                                                                                                            | 1100                                                                                                                                                                                         | (2200) | 1100                     | (1800) | 300              | (700)  |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>500</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>1300</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                              |        |                          |        |                  |        |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING MAR

| HOURS OF THE DAY<br>(LOCAL TIMES) | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |        |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                   | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                       | 2200                                                                                                                                                                                | (3800) | 1800                     | (3000) | 100              | (200)  |
| 0200 - 0459                       | 2200                                                                                                                                                                                | (3400) | 1500                     | (2600) | 100              | (200)  |
| 0500 - 0759                       | 1100                                                                                                                                                                                | (2200) | 600                      | (1500) | 200              | (800)  |
| 0800 - 1059                       | 1800                                                                                                                                                                                | (2600) | 900                      | (1800) | 500              | (900)  |
| 1100 - 1359                       | 2200                                                                                                                                                                                | (3400) | 1800                     | (3000) | 600              | (1100) |
| 1400 - 1659                       | 2600                                                                                                                                                                                | (4200) | 2200                     | (3400) | 600              | (1300) |
| 1700 - 1959                       | 2600                                                                                                                                                                                | (3800) | 1800                     | (3000) | 600              | (1100) |
| 2000 - 2259                       | 2600                                                                                                                                                                                | (3400) | 1800                     | (3400) | 600              | (1100) |

EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE 600 METERS OR MORE AT LEAST 90% OF THE TIME, OR 1100 METERS OR MORE AT LEAST 80% OF THE TIME.

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING APR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                      | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                                                                                                                                                                                                                        | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                                                                                                                                                                                                                            | 3400                                                                                                                                                                                | (5800) | 2600                     | (4200) | 400              | (900)  |
| 0200 - 0459                                                                                                                                                                                                                            | 2600                                                                                                                                                                                | (4600) | 1800                     | (3400) | 300              | (400)  |
| 0500 - 0759                                                                                                                                                                                                                            | 1500                                                                                                                                                                                | (3000) | 800                      | (1800) | 300              | (900)  |
| 0800 - 1059                                                                                                                                                                                                                            | 3000                                                                                                                                                                                | (4200) | 1800                     | (3000) | 700              | (1300) |
| 1100 - 1359                                                                                                                                                                                                                            | 3800                                                                                                                                                                                | (5800) | 3000                     | (5000) | 900              | (2200) |
| 1400 - 1659                                                                                                                                                                                                                            | 4600                                                                                                                                                                                | (6600) | 4200                     | (5800) | 1100             | (2200) |
| 1700 - 1959                                                                                                                                                                                                                            | 4200                                                                                                                                                                                | (6600) | 3800                     | (5600) | 900              | (1800) |
| 2000 - 2259                                                                                                                                                                                                                            | 3800                                                                                                                                                                                | (5800) | 3400                     | (5800) | 400              | (800)  |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>900</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>2200</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |        |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING MAY

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                       | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                                                                                                                                                                                                                         | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                                                                                                                                                                                                                             | 3800                                                                                                                                                                                | (5800) | 2600                     | (4600) | 200              | (500)  |
| 0200 - 0459                                                                                                                                                                                                                             | 3000                                                                                                                                                                                | (4200) | 900                      | (3000) | 100              | (2200) |
| 0500 - 0759                                                                                                                                                                                                                             | 2600                                                                                                                                                                                | (3400) | 900                      | (2200) | 100              | (300)  |
| 0800 - 1059                                                                                                                                                                                                                             | 3800                                                                                                                                                                                | (5800) | 2600                     | (4200) | 1100             | (2200) |
| 1100 - 1359                                                                                                                                                                                                                             | 5800                                                                                                                                                                                | (9000) | 3800                     | (6600) | 1300             | (6600) |
| 1400 - 1659                                                                                                                                                                                                                             | 5800                                                                                                                                                                                | (9000) | 5000                     | (9000) | 1100             | (7400) |
| 1700 - 1959                                                                                                                                                                                                                             | 5800                                                                                                                                                                                | (9000) | 4200                     | (7400) | 1100             | (5000) |
| 2000 - 2259                                                                                                                                                                                                                             | 5000                                                                                                                                                                                | (7400) | 3800                     | (5800) | 200              | (600)  |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>1300</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>6600</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |        |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING JUN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                       | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                                                                                                                                                                                                                         | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                                                                                                                                                                                                                             | 4200                                                                                                                                                                                | (5800) | 2200                     | (4200) | 200              | (300)  |
| 0200 - 0459                                                                                                                                                                                                                             | 2200                                                                                                                                                                                | (3800) | 1100                     | (3000) | 100              | (200)  |
| 0500 - 0759                                                                                                                                                                                                                             | 2600                                                                                                                                                                                | (3800) | 1100                     | (2600) | 100              | (400)  |
| 0800 - 1059                                                                                                                                                                                                                             | 3800                                                                                                                                                                                | (5800) | 2600                     | (4200) | 1100             | (3000) |
| 1100 - 1359                                                                                                                                                                                                                             | 5000                                                                                                                                                                                | (9000) | 4200                     | (6600) | 1800             | (6600) |
| 1400 - 1659                                                                                                                                                                                                                             | 5800                                                                                                                                                                                | (9000) | 5800                     | (9000) | 2200             | (6600) |
| 1700 - 1959                                                                                                                                                                                                                             | 5800                                                                                                                                                                                | (9000) | 5000                     | (7400) | 1500             | (2200) |
| 2000 - 2259                                                                                                                                                                                                                             | 5000                                                                                                                                                                                | (6600) | 3800                     | (5800) | 200              | (500)  |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>1800</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>6600</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |        |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING JUL

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                      | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                                                                                                                                                                                                                        | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                                                                                                                                                                                                                            | 4200                                                                                                                                                                                | (5800) | 3400                     | (5800) | 200              | (400)  |
| 0200 - 0459                                                                                                                                                                                                                            | 3000                                                                                                                                                                                | (3800) | 2200                     | (3800) | 100              | (200)  |
| 0500 - 0759                                                                                                                                                                                                                            | 3000                                                                                                                                                                                | (3800) | 1800                     | (3400) | 100              | (200)  |
| 0800 - 1059                                                                                                                                                                                                                            | 4600                                                                                                                                                                                | (5800) | 4600                     | (5800) | 400              | (900)  |
| 1100 - 1359                                                                                                                                                                                                                            | 6600                                                                                                                                                                                | (9000) | 6600                     | (7400) | 800              | (5800) |
| 1400 - 1659                                                                                                                                                                                                                            | 6600                                                                                                                                                                                | (9000) | 6600                     | (9000) | 1100             | (9000) |
| 1700 - 1959                                                                                                                                                                                                                            | 6600                                                                                                                                                                                | (9000) | 6600                     | (9000) | 800              | (9000) |
| 2000 - 2259                                                                                                                                                                                                                            | 5000                                                                                                                                                                                | (6600) | 5800                     | (5800) | 300              | (800)  |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>800</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>5800</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |        |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING AUG

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                       | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |          |                  |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|----------|------------------|----------|
|                                                                                                                                                                                                                                         | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |          | ABOVE 500 METERS |          |
| 2300 - 0159                                                                                                                                                                                                                             | 3800                                                                                                                                                                                | (5800) | 3400                     | (5000)   | 200              | (400)    |
| 0200 - 0459                                                                                                                                                                                                                             | 2600                                                                                                                                                                                | (4600) | 1800                     | (3400)   | 200              | (300)    |
| 0500 - 0759                                                                                                                                                                                                                             | 2200                                                                                                                                                                                | (3400) | 1300                     | (2600)   | 100              | (400)    |
| 0800 - 1059                                                                                                                                                                                                                             | 3800                                                                                                                                                                                | (5800) | 3000                     | (4200)   | 300              | (3800)   |
| 1100 - 1359                                                                                                                                                                                                                             | 5000                                                                                                                                                                                | (7400) | 5000                     | (6600)   | 3400             | (9000)   |
| 1400 - 1659                                                                                                                                                                                                                             | 6600                                                                                                                                                                                | (9000) | 6600                     | (10,000) | 4600             | (10,000) |
| 1700 - 1959                                                                                                                                                                                                                             | 5000                                                                                                                                                                                | (9000) | 5000                     | (7400)   | 800              | (6600)   |
| 2000 - 2259                                                                                                                                                                                                                             | 5000                                                                                                                                                                                | (6600) | 4200                     | (5800)   | 200              | (900)    |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>3400</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>9000</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |          |                  |          |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING SEP

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                      | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                                                                                                                                                                                                                        | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                                                                                                                                                                                                                            | 2600                                                                                                                                                                                | (4600) | 1800                     | (3800) | 100              | (200)  |
| 0200 - 0459                                                                                                                                                                                                                            | 2200                                                                                                                                                                                | (3800) | 1300                     | (3400) | 100              | (200)  |
| 0500 - 0759                                                                                                                                                                                                                            | 1300                                                                                                                                                                                | (2600) | 700                      | (1800) | 100              | (500)  |
| 0800 - 1059                                                                                                                                                                                                                            | 2200                                                                                                                                                                                | (3400) | 2200                     | (3400) | 200              | (600)  |
| 1100 - 1359                                                                                                                                                                                                                            | 3800                                                                                                                                                                                | (5800) | 3800                     | (5800) | 400              | (3800) |
| 1400 - 1659                                                                                                                                                                                                                            | 4600                                                                                                                                                                                | (6600) | 4200                     | (6600) | 500              | (4200) |
| 1700 - 1959                                                                                                                                                                                                                            | 3800                                                                                                                                                                                | (5800) | 2600                     | (5000) | 300              | (800)  |
| 2000 - 2259                                                                                                                                                                                                                            | 3400                                                                                                                                                                                | (5000) | 3000                     | (5000) | 200              | (300)  |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>400</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>3800</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |        |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING OCT

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                     | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|-------|
|                                                                                                                                                                                                                                       | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |       |
| 2300 - 0159                                                                                                                                                                                                                           | 1100                                                                                                                                                                                | (3000) | 500                      | (2600) | 100              | (200) |
| 0200 - 0459                                                                                                                                                                                                                           | 800                                                                                                                                                                                 | (2200) | 500                      | (1800) | 100              | (200) |
| 0500 - 0759                                                                                                                                                                                                                           | 500                                                                                                                                                                                 | (1500) | 200                      | (1100) | 100              | (200) |
| 0800 - 1059                                                                                                                                                                                                                           | 1100                                                                                                                                                                                | (2200) | 900                      | (2200) | 400              | (800) |
| 1100 - 1359                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3400) | 1800                     | (3400) | 600              | (800) |
| 1400 - 1659                                                                                                                                                                                                                           | 2600                                                                                                                                                                                | (3800) | 2600                     | (4200) | 200              | (400) |
| 1700 - 1959                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3000) | 1800                     | (3800) | 100              | (300) |
| 2000 - 2259                                                                                                                                                                                                                           | 1800                                                                                                                                                                                | (3000) | 1100                     | (3000) | 100              | (200) |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>600</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>800</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |       |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING NOV

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                     | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|-------|
|                                                                                                                                                                                                                                       | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |       |
| 2300 - 0159                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3400) | 1800                     | (3000) | 100              | (200) |
| 0200 - 0459                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3400) | 1100                     | (3000) | 100              | (200) |
| 0500 - 0759                                                                                                                                                                                                                           | 1800                                                                                                                                                                                | (2600) | 900                      | (2600) | 100              | (200) |
| 0800 - 1059                                                                                                                                                                                                                           | 1500                                                                                                                                                                                | (2600) | 1100                     | (2600) | 100              | (200) |
| 1100 - 1359                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3400) | 1800                     | (3400) | 400              | (800) |
| 1400 - 1659                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3400) | 1800                     | (3400) | 400              | (900) |
| 1700 - 1959                                                                                                                                                                                                                           | 2600                                                                                                                                                                                | (3400) | 2200                     | (3800) | 200              | (400) |
| 2000 - 2259                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3400) | 1800                     | (3400) | 100              | (200) |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>400</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>800</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |       |

VISIBILITY CHART FOR NORTHAG FORWARD AREAS DURING DEC

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                                     | IF YOUR ELEVATION ABOVE SEA LEVEL IS IN ONE OF THE FOLLOWING THREE CATEGORIES YOU CAN EXPECT GROUND VISIBILITIES IN YOUR AREA TO BE AS SHOWN AT LEAST <u>90% (80%)</u> OF THE TIME. |        |                          |        |                  |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------|------------------|--------|
|                                                                                                                                                                                                                                       | UP TO 249 METERS                                                                                                                                                                    |        | BETWEEN 250 - 499 METERS |        | ABOVE 500 METERS |        |
| 2300 - 0159                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3400) | 800                      | (2600) | 100              | (200)  |
| 0200 - 0459                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3000) | 600                      | (3000) | 100              | (200)  |
| 0500 - 0759                                                                                                                                                                                                                           | 1800                                                                                                                                                                                | (3000) | 900                      | (3000) | 100              | (200)  |
| 0800 - 1059                                                                                                                                                                                                                           | 1500                                                                                                                                                                                | (2600) | 1100                     | (2600) | 400              | (900)  |
| 1100 - 1359                                                                                                                                                                                                                           | 1800                                                                                                                                                                                | (3000) | 900                      | (2600) | 400              | (900)  |
| 1400 - 1659                                                                                                                                                                                                                           | 1800                                                                                                                                                                                | (3000) | 1100                     | (3000) | 500              | (1100) |
| 1700 - 1959                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3000) | 1500                     | (3400) | 400              | (800)  |
| 2000 - 2259                                                                                                                                                                                                                           | 2200                                                                                                                                                                                | (3400) | 1100                     | (3400) | 100              | (400)  |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 600 METERS; LOCAL TIME IS BETWEEN 1100 AND 1359; YOUR GROUND VISIBILITY SHOULD BE <u>400</u> METERS OR MORE AT LEAST 90% OF THE TIME, OR <u>900</u> METERS OR MORE AT LEAST 80% OF THE TIME.</p> |                                                                                                                                                                                     |        |                          |        |                  |        |

## PART 2

### CLOUD CEILING AND VISIBILITY PERCENTAGES

THIS PART IS DESIGNED TO ENABLE COMMANDERS AND PLANNERS TO DEVELOP TACTICAL PLANS INVOLVING THE EMPLOYMENT OF AIRCRAFT WEAPONS IN THE NORTHAG FORWARD AREA. THE DATA ARE BASED ON THE PERCENTAGES OF TIME FOR GIVEN MONTHS AND TIMES OF DAY THAT COMBINATIONS OF CLOUD CEILINGS AND VISIBILITIES OCCUR. THESE COMBINATIONS DETERMINE THE MINIMUM CRITERIA UNDER WHICH SPECIFIED TACTICAL OPERATIONS CAN BE PERFORMED. REMEMBER, IF FRIENDLY AIRCRAFT ARE ABLE TO PERFORM, THEN CHANCES ARE GOOD THAT ENEMY AIRCRAFT ALSO CAN.

FOUR SECTIONS ARE CONTAINED IN THIS PART: (A) HELICOPTER TERRAIN FLYING; (B) VFR HELICOPTER FLYING; (C) WARTIME MINIMA FOR CLOSE AIR SUPPORT AND AIR RECONNAISSANCE; AND (D) PEACETIME MINIMA FOR CLOSE AIR SUPPORT AND AIR RECONNAISSANCE.

VFR REFERS TO VISUAL FLIGHT RULES, IN THIS TYPE OF FLYING PILOTS MUST DEPEND ON VISUAL MEANS. WHEN CLOUD CEILINGS AND/OR VISIBILITIES ARE BELOW ESTABLISHED MINIMA THEY ARE UNABLE TO FLY VFR.

PART 2

SECTION A

HELICOPTER TERRAIN FLYING

TERRAIN FLYING IS THE TACTIC OF EMPLOYING AIRCRAFT IN SUCH A MANNER AS TO UTILIZE THE TERRAIN, VEGETATION, AND MAN-MADE OBJECTS TO AVOID VISUAL, OPTICAL, OR ELECTRONIC DETECTION BY THE ENEMY. IT INVOLVES FLIGHT CLOSE TO THE EARTH'S SURFACE AND INCLUDES THE TACTICAL APPLICATION OF LOW LEVEL, CONTOUR, AND NAP OF THE EARTH FLIGHT TECHNIQUES. TERRAIN FLYING IS THE TACTIC THAT WILL BE EMPLOYED FOR HELICOPTERS IN COMBAT SITUATIONS.

THIS TYPE OF FLIGHT IS NORMALLY POSSIBLE WHEN AIRCRAFT INVOLVED CAN REMAIN CLEAR OF CLOUDS AND FLIGHT VISIBILITIES ARE AT LEAST 1/2 MILE OR MORE. STATISTICS IN THIS SECTION REFLECT THE PERCENTAGE OF TIME THAT TERRAIN FLYING CAN BE EXPECTED FOR THE MONTHS/TIMES/ELEVATIONS INDICATED.

DATA IN THIS SECTION ARE BASED UPON NO CLOUDS NOR OBSCURATIONS BELOW 100 FT AND THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 NM.

17/18

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING JAN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                    | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                      | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                          | 90                                                                                                                                                                                                                                        | 88                     | 52               |
| 0200 - 0459                                                                                                                                                          | 89                                                                                                                                                                                                                                        | 83                     | 52               |
| 0500 - 0759                                                                                                                                                          | 90                                                                                                                                                                                                                                        | 85                     | 53               |
| 0800 - 1059                                                                                                                                                          | 89                                                                                                                                                                                                                                        | 84                     | 52               |
| 1100 - 1359                                                                                                                                                          | 91                                                                                                                                                                                                                                        | 89                     | 55               |
| 1400 - 1659                                                                                                                                                          | 91                                                                                                                                                                                                                                        | 90                     | 56               |
| 1700 - 1959                                                                                                                                                          | 91                                                                                                                                                                                                                                        | 89                     | 53               |
| 2000 - 2259                                                                                                                                                          | 90                                                                                                                                                                                                                                        | 90                     | 51               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO FLY TERRAIN FLYING AT LEAST <u>84</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING FEB

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                       | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                         | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                             | 88                                                                                                                                                                                                                                        | 86                     | 59               |
| 0200 - 0459                                                                                                                                                             | 87                                                                                                                                                                                                                                        | 84                     | 55               |
| 0500 - 0759                                                                                                                                                             | 87                                                                                                                                                                                                                                        | 82                     | 56               |
| 0800 - 1059                                                                                                                                                             | 87                                                                                                                                                                                                                                        | 82                     | 58               |
| 1100 - 1359                                                                                                                                                             | 92                                                                                                                                                                                                                                        | 90                     | 65               |
| 1400 - 1659                                                                                                                                                             | 93                                                                                                                                                                                                                                        | 89                     | 66               |
| 1700 - 1959                                                                                                                                                             | 92                                                                                                                                                                                                                                        | 89                     | 64               |
| 2000 - 2259                                                                                                                                                             | 90                                                                                                                                                                                                                                        | 88                     | 59               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY TERRAIN FLYING AT LEAST <u>82%</u> OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING MAR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                       | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                         | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                             | 95                                                                                                                                                                                                                                        | 91                     | 60               |
| 0200 - 0459                                                                                                                                                             | 94                                                                                                                                                                                                                                        | 88                     | 57               |
| 0500 - 0759                                                                                                                                                             | 93                                                                                                                                                                                                                                        | 84                     | 56               |
| 0800 - 1059                                                                                                                                                             | 94                                                                                                                                                                                                                                        | 87                     | 62               |
| 1100 - 1359                                                                                                                                                             | 97                                                                                                                                                                                                                                        | 94                     | 69               |
| 1400 - 1659                                                                                                                                                             | 97                                                                                                                                                                                                                                        | 94                     | 72               |
| 1700 - 1959                                                                                                                                                             | 97                                                                                                                                                                                                                                        | 94                     | 69               |
| 2000 - 2259                                                                                                                                                             | 97                                                                                                                                                                                                                                        | 92                     | 63               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY TERRAIN FLYING AT LEAST <u>87%</u> OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING APR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 97                                                                                                                                                                                                                                        | 93                     | 67               |
| 0200 - 0459                                                                                                                                                              | 94                                                                                                                                                                                                                                        | 92                     | 65               |
| 0500 - 0759                                                                                                                                                              | 93                                                                                                                                                                                                                                        | 86                     | 67               |
| 0800 - 1059                                                                                                                                                              | 97                                                                                                                                                                                                                                        | 92                     | 73               |
| 1100 - 1359                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 96                     | 79               |
| 1400 - 1659                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 80               |
| 1700 - 1959                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 78               |
| 2000 - 2259                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 96                     | 70               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY TERRAIN FLYING AT LEAST <u>92</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING MAY

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                   | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                     | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                         | 98                                                                                                                                                                                                                                        | 94                     | 75               |
| 0200 - 0459                                                                                                                                                         | 95                                                                                                                                                                                                                                        | 90                     | 73               |
| 0500 - 0759                                                                                                                                                         | 96                                                                                                                                                                                                                                        | 90                     | 73               |
| 0800 - 1059                                                                                                                                                         | 99                                                                                                                                                                                                                                        | 95                     | 83               |
| 1100 - 1359                                                                                                                                                         | 99                                                                                                                                                                                                                                        | 97                     | 86               |
| 1400 - 1659                                                                                                                                                         | 99                                                                                                                                                                                                                                        | 98                     | 88               |
| 1700 - 1959                                                                                                                                                         | 99                                                                                                                                                                                                                                        | 97                     | 84               |
| 2000 - 2259                                                                                                                                                         | 99                                                                                                                                                                                                                                        | 96                     | 77               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO FLY TERRAIN FLYING AT LEAST <u>95%</u> OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING JUN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 94                     | 73               |
| 0200 - 0459                                                                                                                                                              | 96                                                                                                                                                                                                                                        | 90                     | 65               |
| 0500 - 0759                                                                                                                                                              | 97                                                                                                                                                                                                                                        | 90                     | 72               |
| 0800 - 1059                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 95                     | 81               |
| 1100 - 1359                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 98                     | 87               |
| 1400 - 1659                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 99                     | 88               |
| 1700 - 1959                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 98                     | 81               |
| 2000 - 2259                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 76               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY TERRAIN FLYING AT LEAST <u>95</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING JUL

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 69               |
| 0200 - 0459                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 94                     | 63               |
| 0500 - 0759                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 94                     | 65               |
| 0800 - 1059                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 75               |
| 1100 - 1359                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 99                     | 84               |
| 1400 - 1659                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 99                     | 87               |
| 1700 - 1959                                                                                                                                                              | 100                                                                                                                                                                                                                                       | 99                     | 82               |
| 2000 - 2259                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 99                     | 72               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY TERRAIN FLYING AT LEAST <u>97</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING   AUG  

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                    | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                      | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                          | 98                                                                                                                                                                                                                                        | 96                     | 75               |
| 0200 - 0459                                                                                                                                                          | 97                                                                                                                                                                                                                                        | 92                     | 61               |
| 0500 - 0759                                                                                                                                                          | 96                                                                                                                                                                                                                                        | 91                     | 73               |
| 0800 - 1059                                                                                                                                                          | 99                                                                                                                                                                                                                                        | 97                     | 85               |
| 1100 - 1359                                                                                                                                                          | 99                                                                                                                                                                                                                                        | 98                     | 90               |
| 1400 - 1659                                                                                                                                                          | 99                                                                                                                                                                                                                                        | 99                     | 93               |
| 1700 - 1959                                                                                                                                                          | 99                                                                                                                                                                                                                                        | 98                     | 86               |
| 2000 - 2259                                                                                                                                                          | 99                                                                                                                                                                                                                                        | 98                     | 80               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO FLY TERRAIN FLYING AT LEAST <u>97</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING SEP

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 96                                                                                                                                                                                                                                        | 93                     | 66               |
| 0200 - 0459                                                                                                                                                              | 94                                                                                                                                                                                                                                        | 92                     | 62               |
| 0500 - 0759                                                                                                                                                              | 91                                                                                                                                                                                                                                        | 88                     | 64               |
| 0800 - 1059                                                                                                                                                              | 97                                                                                                                                                                                                                                        | 95                     | 73               |
| 1100 - 1359                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 82               |
| 1400 - 1659                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 98                     | 83               |
| 1700 - 1959                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 74               |
| 2000 - 2259                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 95                     | 68               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY TERRAIN FLYING AT LEAST <u>95</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING OCT

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                  | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                      | 91                                                                                                                                                                                                                                        | 87                     | 60               |
| 0200 - 0459                                                                                                                                                      | 88                                                                                                                                                                                                                                        | 85                     | 59               |
| 0500 - 0759                                                                                                                                                      | 85                                                                                                                                                                                                                                        | 81                     | 57               |
| 0800 - 1059                                                                                                                                                      | 90                                                                                                                                                                                                                                        | 86                     | 62               |
| 1100 - 1359                                                                                                                                                      | 96                                                                                                                                                                                                                                        | 94                     | 70               |
| 1400 - 1659                                                                                                                                                      | 97                                                                                                                                                                                                                                        | 94                     | 73               |
| 1700 - 1959                                                                                                                                                      | 95                                                                                                                                                                                                                                        | 91                     | 65               |
| 2000 - 2259                                                                                                                                                      | 94                                                                                                                                                                                                                                        | 90                     | 62               |
| EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br>FLY TERRAIN FLYING AT LEAST <u>86 %</u> OR MORE OF THE TIME. |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING NOV

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 95                                                                                                                                                                                                                                        | 92                     | 52               |
| 0200 - 0459                                                                                                                                                              | 95                                                                                                                                                                                                                                        | 89                     | 52               |
| 0500 - 0759                                                                                                                                                              | 94                                                                                                                                                                                                                                        | 89                     | 52               |
| 0800 - 1059                                                                                                                                                              | 93                                                                                                                                                                                                                                        | 89                     | 53               |
| 1100 - 1359                                                                                                                                                              | 96                                                                                                                                                                                                                                        | 93                     | 58               |
| 1400 - 1659                                                                                                                                                              | 97                                                                                                                                                                                                                                        | 94                     | 58               |
| 1700 - 1959                                                                                                                                                              | 96                                                                                                                                                                                                                                        | 93                     | 56               |
| 2000 - 2259                                                                                                                                                              | 95                                                                                                                                                                                                                                        | 91                     | 52               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY TERRAIN FLYING AT LEAST <u>89 %</u> OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

TERRAIN FLYING IN NORTHAG FORWARD AREAS DURING DEC

HOURS OF THE DAY  
(LOCAL TIMES)

GROUND ELEVATION ABOVE SEA LEVEL

DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY TERRAIN FLYING DURING THE TIMES SHOWN IN THE LEFT COLUMN.

UP TO 249 METERS

BETWEEN 250-499 METERS

ABOVE 500 METERS

|             |    |    |    |
|-------------|----|----|----|
| 2300 - 0159 | 95 | 86 | 48 |
| 0200 - 0459 | 94 | 86 | 48 |
| 0500 - 0759 | 94 | 88 | 48 |
| 0800 - 1059 | 93 | 88 | 49 |
| 1100 - 1359 | 95 | 89 | 52 |
| 1400 - 1659 | 96 | 90 | 51 |
| 1700 - 1959 | 96 | 91 | 52 |
| 2000 - 2259 | 96 | 89 | 50 |

EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO FLY TERRAIN FLYING AT LEAST 88 % OR MORE OF THE TIME.

PART 2

SECTION B

VFR HELICOPTER FLYING

STATISTICS IN THIS SECTION INDICATE THE PERCENTAGES OF TIME THAT VFR HELICOPTER FLYING CAN BE EXPECTED DURING THE MONTHS/TIMES/ELEVATIONS SHOWN. MINIMA FOR VFR FLYING ARE CLOUD CEILINGS 500 FEET OR MORE ABOVE THE GROUND AND FLIGHT VISIBILITIES 1/2 MILE OR MORE.

THE PRIMARY DIFFERENCE BETWEEN VFR FLYING AND TERRAIN FLYING IS THAT VFR AIRCRAFT ARE UNABLE TO FLY WHEN THE CLOUD CEILINGS ARE LESS THAN 500 FEET ABOVE GROUND. TERRAIN FLYING AIRCRAFT HAVE NO SUCH CLOUD CEILING RESTRICTION AND CAN FLY AS LONG AS THEY REMAIN CLEAR OF CLOUDS. VISIBILITY RESTRICTIONS ARE THE SAME FOR BOTH TYPES OF FLYING.

WHILE TERRAIN FLYING TECHNIQUES ARE USED IN COMBAT SITUATIONS AND CERTAIN PEACETIME SPECIAL OPERATIONS, VFR FLYING IS THE NORMAL FLYING TECHNIQUE THAT MUST BE FOLLOWED IN ROUTINE, DAY-TO-DAY PEACETIME OPERATIONS.

DATA IN THIS SECTION ARE BASED UPON CEILINGS GREATER THAN OR EQUAL TO 500 FT AND VISIBILITY GREATER THAN OR EQUAL TO 1/2 NM.

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING JAN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 83                                                                                                                                                                                                                                        | 84                     | 43               |
| 0200 - 0459                                                                                                                                                              | 81                                                                                                                                                                                                                                        | 81                     | 43               |
| 0500 - 0759                                                                                                                                                              | 82                                                                                                                                                                                                                                        | 80                     | 44               |
| 0800 - 1059                                                                                                                                                              | 81                                                                                                                                                                                                                                        | 81                     | 44               |
| 1100 - 1359                                                                                                                                                              | 85                                                                                                                                                                                                                                        | 84                     | 47               |
| 1400 - 1659                                                                                                                                                              | 85                                                                                                                                                                                                                                        | 87                     | 47               |
| 1700 - 1959                                                                                                                                                              | 84                                                                                                                                                                                                                                        | 84                     | 44               |
| 2000 - 2259                                                                                                                                                              | 83                                                                                                                                                                                                                                        | 86                     | 43               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY VFR HELICOPTER AT LEAST <u>81</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING FEB

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                  | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                      | 81                                                                                                                                                                                                                                        | 82                     | 51               |
| 0200 - 0459                                                                                                                                                      | 80                                                                                                                                                                                                                                        | 80                     | 50               |
| 0500 - 0759                                                                                                                                                      | 80                                                                                                                                                                                                                                        | 78                     | 49               |
| 0800 - 1059                                                                                                                                                      | 79                                                                                                                                                                                                                                        | 78                     | 48               |
| 1100 - 1359                                                                                                                                                      | 86                                                                                                                                                                                                                                        | 86                     | 59               |
| 1400 - 1659                                                                                                                                                      | 88                                                                                                                                                                                                                                        | 86                     | 59               |
| 1700 - 1959                                                                                                                                                      | 88                                                                                                                                                                                                                                        | 85                     | 57               |
| 2000 - 2259                                                                                                                                                      | 84                                                                                                                                                                                                                                        | 84                     | 53               |
| EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br>FLY VFR HELICOPTER AT LEAST <u>78</u> % OR MORE OF THE TIME. |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING MAR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 91                                                                                                                                                                                                                                        | 88                     | 54               |
| 0200 - 0459                                                                                                                                                              | 90                                                                                                                                                                                                                                        | 86                     | 51               |
| 0500 - 0759                                                                                                                                                              | 88                                                                                                                                                                                                                                        | 80                     | 50               |
| 0800 - 1059                                                                                                                                                              | 90                                                                                                                                                                                                                                        | 83                     | 54               |
| 1100 - 1359                                                                                                                                                              | 95                                                                                                                                                                                                                                        | 91                     | 61               |
| 1400 - 1659                                                                                                                                                              | 95                                                                                                                                                                                                                                        | 91                     | 65               |
| 1700 - 1959                                                                                                                                                              | 95                                                                                                                                                                                                                                        | 91                     | 61               |
| 2000 - 2259                                                                                                                                                              | 94                                                                                                                                                                                                                                        | 89                     | 57               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY VFR HELICOPTER AT LEAST <u>83</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING APR

| HOURS OF THE DAY<br>(LOCAL TIMES) | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                   | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                       | 94                                                                                                                                                                                                                                        | 92                     | 63               |
| 0200 - 0459                       | 91                                                                                                                                                                                                                                        | 90                     | 62               |
| 0500 - 0759                       | 90                                                                                                                                                                                                                                        | 84                     | 60               |
| 0800 - 1059                       | 95                                                                                                                                                                                                                                        | 89                     | 64               |
| 1100 - 1359                       | 97                                                                                                                                                                                                                                        | 94                     | 70               |
| 1400 - 1659                       | 98                                                                                                                                                                                                                                        | 96                     | 72               |
| 1700 - 1959                       | 98                                                                                                                                                                                                                                        | 96                     | 72               |
| 2000 - 2259                       | 96                                                                                                                                                                                                                                        | 95                     | 66               |

EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO FLY VFR HELICOPTER AT LEAST 89 % OR MORE OF THE TIME.

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING MAY

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 97                                                                                                                                                                                                                                        | 92                     | 73               |
| 0200 - 0459                                                                                                                                                              | 94                                                                                                                                                                                                                                        | 87                     | 71               |
| 0500 - 0759                                                                                                                                                              | 94                                                                                                                                                                                                                                        | 85                     | 71               |
| 0800 - 1059                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 92                     | 76               |
| 1100 - 1359                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 96                     | 81               |
| 1400 - 1659                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 83               |
| 1700 - 1959                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 96                     | 80               |
| 2000 - 2259                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 95                     | 75               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY VFR HELICOPTER AT LEAST <u>92</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING JUN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                  | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                      | 98                                                                                                                                                                                                                                        | 92                     | 70               |
| 0200 - 0459                                                                                                                                                      | 95                                                                                                                                                                                                                                        | 88                     | 65               |
| 0500 - 0759                                                                                                                                                      | 95                                                                                                                                                                                                                                        | 87                     | 69               |
| 0800 - 1059                                                                                                                                                      | 98                                                                                                                                                                                                                                        | 93                     | 76               |
| 1100 - 1359                                                                                                                                                      | 99                                                                                                                                                                                                                                        | 97                     | 80               |
| 1400 - 1659                                                                                                                                                      | 99                                                                                                                                                                                                                                        | 99                     | 81               |
| 1700 - 1959                                                                                                                                                      | 99                                                                                                                                                                                                                                        | 98                     | 70               |
| 2000 - 2259                                                                                                                                                      | 99                                                                                                                                                                                                                                        | 96                     | 75               |
| EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br>FLY VFR HELICOPTER AT LEAST <u>93</u> % OR MORE OF THE TIME. |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING JUL

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 98                                                                                                                                                                                                                                        | 96                     | 68               |
| 0200 - 0459                                                                                                                                                              | 96                                                                                                                                                                                                                                        | 93                     | 63               |
| 0500 - 0759                                                                                                                                                              | 96                                                                                                                                                                                                                                        | 92                     | 61               |
| 0800 - 1059                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 97                     | 69               |
| 1100 - 1359                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 98                     | 78               |
| 1400 - 1659                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 99                     | 82               |
| 1700 - 1959                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 98                     | 80               |
| 2000 - 2259                                                                                                                                                              | 99                                                                                                                                                                                                                                        | 98                     | 72               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY VFR HELICOPTER AT LEAST <u>97</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING AUG

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                | <u>GROUND ELEVATION ABOVE SEA LEVEL</u><br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                  | UP TO 249 METERS                                                                                                                                                                                                                                 | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                      | 98                                                                                                                                                                                                                                               | 95                     | 76               |
| 0200 - 0459                                                                                                                                                      | 95                                                                                                                                                                                                                                               | 91                     | 72               |
| 0500 - 0759                                                                                                                                                      | 94                                                                                                                                                                                                                                               | 89                     | 69               |
| 0800 - 1059                                                                                                                                                      | 98                                                                                                                                                                                                                                               | 95                     | 79               |
| 1100 - 1359                                                                                                                                                      | 99                                                                                                                                                                                                                                               | 97                     | 84               |
| 1400 - 1659                                                                                                                                                      | 99                                                                                                                                                                                                                                               | 98                     | 88               |
| 1700 - 1959                                                                                                                                                      | 99                                                                                                                                                                                                                                               | 97                     | 84               |
| 2000 - 2259                                                                                                                                                      | 99                                                                                                                                                                                                                                               | 97                     | 80               |
| EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br>FLY VFR HELICOPTER AT LEAST <u>95</u> % OR MORE OF THE TIME. |                                                                                                                                                                                                                                                  |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING SEP

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                  | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                      | 94                                                                                                                                                                                                                                        | 93                     | 64               |
| 0200 - 0459                                                                                                                                                      | 92                                                                                                                                                                                                                                        | 90                     | 62               |
| 0500 - 0759                                                                                                                                                      | 89                                                                                                                                                                                                                                        | 87                     | 62               |
| 0800 - 1059                                                                                                                                                      | 95                                                                                                                                                                                                                                        | 92                     | 68               |
| 1100 - 1359                                                                                                                                                      | 98                                                                                                                                                                                                                                        | 97                     | 76               |
| 1400 - 1659                                                                                                                                                      | 99                                                                                                                                                                                                                                        | 97                     | 79               |
| 1700 - 1959                                                                                                                                                      | 98                                                                                                                                                                                                                                        | 96                     | 73               |
| 2000 - 2259                                                                                                                                                      | 97                                                                                                                                                                                                                                        | 95                     | 67               |
| EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br>FLY VFR HELICOPTER AT LEAST <u>92</u> % OR MORE OF THE TIME. |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING OCT

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 87                                                                                                                                                                                                                                        | 83                     | 56               |
| 0200 - 0459                                                                                                                                                              | 84                                                                                                                                                                                                                                        | 82                     | 56               |
| 0500 - 0759                                                                                                                                                              | 81                                                                                                                                                                                                                                        | 78                     | 53               |
| 0800 - 1059                                                                                                                                                              | 86                                                                                                                                                                                                                                        | 83                     | 58               |
| 1100 - 1359                                                                                                                                                              | 93                                                                                                                                                                                                                                        | 92                     | 65               |
| 1400 - 1659                                                                                                                                                              | 95                                                                                                                                                                                                                                        | 91                     | 67               |
| 1700 - 1959                                                                                                                                                              | 93                                                                                                                                                                                                                                        | 88                     | 61               |
| 2000 - 2259                                                                                                                                                              | 91                                                                                                                                                                                                                                        | 87                     | 58               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY VFR HELICOPTER AT LEAST <u>83</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING NOV

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                              | 90                                                                                                                                                                                                                                        | 87                     | 46               |
| 0200 - 0459                                                                                                                                                              | 90                                                                                                                                                                                                                                        | 85                     | 46               |
| 0500 - 0759                                                                                                                                                              | 89                                                                                                                                                                                                                                        | 84                     | 45               |
| 0800 - 1059                                                                                                                                                              | 89                                                                                                                                                                                                                                        | 84                     | 45               |
| 1100 - 1359                                                                                                                                                              | 92                                                                                                                                                                                                                                        | 89                     | 49               |
| 1400 - 1659                                                                                                                                                              | 93                                                                                                                                                                                                                                        | 91                     | 51               |
| 1700 - 1959                                                                                                                                                              | 92                                                                                                                                                                                                                                        | 89                     | 49               |
| 2000 - 2259                                                                                                                                                              | 90                                                                                                                                                                                                                                        | 88                     | 45               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br/>FLY VFR HELICOPTER AT LEAST <u>84</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                           |                        |                  |

VFR HELICOPTER FLYING IN NORTHAG FORWARD AREAS DURING DEC

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT TO FLY VFR HELICOPTER DURING<br>THE TIMES SHOWN IN THE LEFT COLUMN. |                        |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                  | UP TO 249 METERS                                                                                                                                                                                                                          | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                      | 88                                                                                                                                                                                                                                        | 83                     | 40               |
| 0200 - 0459                                                                                                                                                      | 88                                                                                                                                                                                                                                        | 84                     | 40               |
| 0500 - 0759                                                                                                                                                      | 88                                                                                                                                                                                                                                        | 84                     | 40               |
| 0800 - 1059                                                                                                                                                      | 87                                                                                                                                                                                                                                        | 85                     | 40               |
| 1100 - 1359                                                                                                                                                      | 90                                                                                                                                                                                                                                        | 87                     | 44               |
| 1400 - 1659                                                                                                                                                      | 91                                                                                                                                                                                                                                        | 88                     | 44               |
| 1700 - 1959                                                                                                                                                      | 91                                                                                                                                                                                                                                        | 88                     | 44               |
| 2000 - 2259                                                                                                                                                      | 90                                                                                                                                                                                                                                        | 86                     | 42               |
| EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT TO<br>FLY VFR HELICOPTER AT LEAST <u>85</u> % OR MORE OF THE TIME. |                                                                                                                                                                                                                                           |                        |                  |

PART 2

SECTION C

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE

THIS SECTION OUTLINES THE PERCENTAGES OF TIME THAT CLOSE AIR SUPPORT AND AIR RECONNAISSANCE FLIGHTS CAN BE EXPECTED BY AIR FORCE AIRCRAFT IN WARTIME. THE DATA REFER ONLY TO VISUAL FLYING POSSIBILITIES AND HAVE NOTHING TO DO WITH AVAILABILITY OF AIRCRAFT, ETC. MINIMA USED ARE CLOUD CEILINGS GREATER THAN OR EQUAL TO 1000 FEET AND VISIBILITIES GREATER THAN OR EQUAL TO 2 1/2 NM. THESE MINIMA ARE GENERAL IN NATURE AND SPECIAL CIRCUMSTANCES COULD DICTATE SOME DEVIATION.

CERTAIN TACTICAL AIRCRAFT ARE ELECTRONICALLY EQUIPPED TO OPERATE IN CONDITIONS REGARDLESS OF CLOUD CEILINGS AND VISIBILITIES. DATA IN THIS SECTION DO NOT APPLY TO THIS TYPE OF AIRCRAFT.

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING JAN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                              | 50                                                                                                                                                                                                                                                                                               | 61                       | 27               |
| 0200 - 0459                                                                                                                                                                                                              | 49                                                                                                                                                                                                                                                                                               | 58                       | 25               |
| 0500 - 0759                                                                                                                                                                                                              | 49                                                                                                                                                                                                                                                                                               | 53                       | 28               |
| 0800 - 1059                                                                                                                                                                                                              | 43                                                                                                                                                                                                                                                                                               | 50                       | 28               |
| 1100 - 1359                                                                                                                                                                                                              | 48                                                                                                                                                                                                                                                                                               | 57                       | 34               |
| 1400 - 1659                                                                                                                                                                                                              | 49                                                                                                                                                                                                                                                                                               | 56                       | 33               |
| 1700 - 1959                                                                                                                                                                                                              | 48                                                                                                                                                                                                                                                                                               | 58                       | 28               |
| 2000 - 2259                                                                                                                                                                                                              | 49                                                                                                                                                                                                                                                                                               | 59                       | 28               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>50</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING FEB

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                              | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                | UP TO 249 METERS                                                                                                                                                                                                                                                                         | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                    | 47                                                                                                                                                                                                                                                                                       | 51                       | 37               |
| 0200 - 0459                                                                                                                                                                                                    | 45                                                                                                                                                                                                                                                                                       | 49                       | 36               |
| 0500 - 0759                                                                                                                                                                                                    | 42                                                                                                                                                                                                                                                                                       | 38                       | 35               |
| 0800 - 1059                                                                                                                                                                                                    | 38                                                                                                                                                                                                                                                                                       | 38                       | 36               |
| 1100 - 1359                                                                                                                                                                                                    | 49                                                                                                                                                                                                                                                                                       | 52                       | 45               |
| 1400 - 1659                                                                                                                                                                                                    | 55                                                                                                                                                                                                                                                                                       | 58                       | 45               |
| 1700 - 1959                                                                                                                                                                                                    | 52                                                                                                                                                                                                                                                                                       | 55                       | 42               |
| 2000 - 2259                                                                                                                                                                                                    | 51                                                                                                                                                                                                                                                                                       | 53                       | 39               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>38</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                          |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING MAR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                              | 69                                                                                                                                                                                                                                                                                               | 64                       | 41               |
| 0200 - 0459                                                                                                                                                                                                              | 65                                                                                                                                                                                                                                                                                               | 59                       | 36               |
| 0500 - 0759                                                                                                                                                                                                              | 50                                                                                                                                                                                                                                                                                               | 47                       | 34               |
| 0800 - 1059                                                                                                                                                                                                              | 57                                                                                                                                                                                                                                                                                               | 51                       | 38               |
| 1100 - 1359                                                                                                                                                                                                              | 71                                                                                                                                                                                                                                                                                               | 65                       | 48               |
| 1400 - 1659                                                                                                                                                                                                              | 76                                                                                                                                                                                                                                                                                               | 72                       | 52               |
| 1700 - 1959                                                                                                                                                                                                              | 71                                                                                                                                                                                                                                                                                               | 67                       | 46               |
| 2000 - 2259                                                                                                                                                                                                              | 73                                                                                                                                                                                                                                                                                               | 68                       | 43               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>51</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING APR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                       | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                         | UP TO 249 METERS                                                                                                                                                                                                                                                                         | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                             | 80                                                                                                                                                                                                                                                                                       | 76                       | 53               |
| 0200 - 0459                                                                                                                                                                                             | 74                                                                                                                                                                                                                                                                                       | 68                       | 51               |
| 0500 - 0759                                                                                                                                                                                             | 61                                                                                                                                                                                                                                                                                       | 51                       | 48               |
| 0800 - 1059                                                                                                                                                                                             | 73                                                                                                                                                                                                                                                                                       | 66                       | 53               |
| 1100 - 1359                                                                                                                                                                                             | 83                                                                                                                                                                                                                                                                                       | 79                       | 60               |
| 1400 - 1659                                                                                                                                                                                             | 87                                                                                                                                                                                                                                                                                       | 87                       | 62               |
| 1700 - 1959                                                                                                                                                                                             | 85                                                                                                                                                                                                                                                                                       | 84                       | 62               |
| 2000 - 2259                                                                                                                                                                                             | 85                                                                                                                                                                                                                                                                                       | 84                       | 58               |
| EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>66</u> % OR MORE OF THE TIME. |                                                                                                                                                                                                                                                                                          |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING MAY

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                              | 85                                                                                                                                                                                                                                                                                               | 87                       | 67               |
| 0200 - 0459                                                                                                                                                                                                              | 75                                                                                                                                                                                                                                                                                               | 64                       | 63               |
| 0500 - 0759                                                                                                                                                                                                              | 71                                                                                                                                                                                                                                                                                               | 59                       | 61               |
| 0800 - 1059                                                                                                                                                                                                              | 85                                                                                                                                                                                                                                                                                               | 76                       | 69               |
| 1100 - 1359                                                                                                                                                                                                              | 91                                                                                                                                                                                                                                                                                               | 86                       | 72               |
| 1400 - 1659                                                                                                                                                                                                              | 93                                                                                                                                                                                                                                                                                               | 89                       | 76               |
| 1700 - 1959                                                                                                                                                                                                              | 92                                                                                                                                                                                                                                                                                               | 88                       | 74               |
| 2000 - 2259                                                                                                                                                                                                              | 89                                                                                                                                                                                                                                                                                               | 86                       | 69               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>76</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING JUN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                              | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                | UP TO 249 METERS                                                                                                                                                                                                                                                                         | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                    | 87                                                                                                                                                                                                                                                                                       | 75                       | 63               |
| 0200 - 0459                                                                                                                                                                                                    | 72                                                                                                                                                                                                                                                                                       | 63                       | 56               |
| 0500 - 0759                                                                                                                                                                                                    | 72                                                                                                                                                                                                                                                                                       | 60                       | 58               |
| 0800 - 1059                                                                                                                                                                                                    | 86                                                                                                                                                                                                                                                                                       | 75                       | 66               |
| 1100 - 1359                                                                                                                                                                                                    | 92                                                                                                                                                                                                                                                                                       | 87                       | 71               |
| 1400 - 1659                                                                                                                                                                                                    | 94                                                                                                                                                                                                                                                                                       | 94                       | 73               |
| 1700 - 1959                                                                                                                                                                                                    | 93                                                                                                                                                                                                                                                                                       | 90                       | 72               |
| 2000 - 2259                                                                                                                                                                                                    | 90                                                                                                                                                                                                                                                                                       | 84                       | 67               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>75</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                          |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING JUL

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                              | 88                                                                                                                                                                                                                                                                                               | 86                       | 58               |
| 0200 - 0459                                                                                                                                                                                                              | 74                                                                                                                                                                                                                                                                                               | 70                       | 51               |
| 0500 - 0759                                                                                                                                                                                                              | 73                                                                                                                                                                                                                                                                                               | 65                       | 48               |
| 0800 - 1059                                                                                                                                                                                                              | 88                                                                                                                                                                                                                                                                                               | 82                       | 59               |
| 1100 - 1359                                                                                                                                                                                                              | 93                                                                                                                                                                                                                                                                                               | 92                       | 70               |
| 1400 - 1659                                                                                                                                                                                                              | 95                                                                                                                                                                                                                                                                                               | 96                       | 74               |
| 1700 - 1959                                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                               | 93                       | 72               |
| 2000 - 2259                                                                                                                                                                                                              | 90                                                                                                                                                                                                                                                                                               | 93                       | 65               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>82</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING AUG

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                              | 86                                                                                                                                                                                                                                                                                               | 79                       | 68               |
| 0200 - 0459                                                                                                                                                                                                              | 77                                                                                                                                                                                                                                                                                               | 68                       | 64               |
| 0500 - 0759                                                                                                                                                                                                              | 66                                                                                                                                                                                                                                                                                               | 56                       | 61               |
| 0800 - 1059                                                                                                                                                                                                              | 84                                                                                                                                                                                                                                                                                               | 75                       | 70               |
| 1100 - 1359                                                                                                                                                                                                              | 92                                                                                                                                                                                                                                                                                               | 90                       | 78               |
| 1400 - 1659                                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                               | 94                       | 83               |
| 1700 - 1959                                                                                                                                                                                                              | 92                                                                                                                                                                                                                                                                                               | 89                       | 79               |
| 2000 - 2259                                                                                                                                                                                                              | 89                                                                                                                                                                                                                                                                                               | 87                       | 72               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>75</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING SEP

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                              | 78                                                                                                                                                                                                                                                                                               | 76                       | 52               |
| 0200 - 0459                                                                                                                                                                                                              | 72                                                                                                                                                                                                                                                                                               | 68                       | 50               |
| 0500 - 0759                                                                                                                                                                                                              | 58                                                                                                                                                                                                                                                                                               | 54                       | 47               |
| 0800 - 1059                                                                                                                                                                                                              | 71                                                                                                                                                                                                                                                                                               | 66                       | 56               |
| 1100 - 1359                                                                                                                                                                                                              | 84                                                                                                                                                                                                                                                                                               | 84                       | 68               |
| 1400 - 1659                                                                                                                                                                                                              | 87                                                                                                                                                                                                                                                                                               | 88                       | 70               |
| 1700 - 1959                                                                                                                                                                                                              | 83                                                                                                                                                                                                                                                                                               | 82                       | 64               |
| 2000 - 2259                                                                                                                                                                                                              | 83                                                                                                                                                                                                                                                                                               | 82                       | 55               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>66</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING OCT

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                              | 62                                                                                                                                                                                                                                                                                               | 59                       | 45               |
| 0200 - 0459                                                                                                                                                                                                              | 57                                                                                                                                                                                                                                                                                               | 53                       | 43               |
| 0500 - 0759                                                                                                                                                                                                              | 46                                                                                                                                                                                                                                                                                               | 45                       | 41               |
| 0800 - 1059                                                                                                                                                                                                              | 53                                                                                                                                                                                                                                                                                               | 53                       | 46               |
| 1100 - 1359                                                                                                                                                                                                              | 67                                                                                                                                                                                                                                                                                               | 69                       | 55               |
| 1400 - 1659                                                                                                                                                                                                              | 73                                                                                                                                                                                                                                                                                               | 75                       | 57               |
| 1700 - 1959                                                                                                                                                                                                              | 65                                                                                                                                                                                                                                                                                               | 70                       | 52               |
| 2000 - 2259                                                                                                                                                                                                              | 66                                                                                                                                                                                                                                                                                               | 65                       | 48               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>53</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING NOV

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                              | 65                                                                                                                                                                                                                                                                                               | 67                       | 33               |
| 0200 - 0459                                                                                                                                                                                                              | 66                                                                                                                                                                                                                                                                                               | 64                       | 33               |
| 0500 - 0759                                                                                                                                                                                                              | 63                                                                                                                                                                                                                                                                                               | 58                       | 31               |
| 0800 - 1059                                                                                                                                                                                                              | 60                                                                                                                                                                                                                                                                                               | 57                       | 31               |
| 1100 - 1359                                                                                                                                                                                                              | 68                                                                                                                                                                                                                                                                                               | 68                       | 35               |
| 1400 - 1659                                                                                                                                                                                                              | 69                                                                                                                                                                                                                                                                                               | 71                       | 38               |
| 1700 - 1959                                                                                                                                                                                                              | 68                                                                                                                                                                                                                                                                                               | 72                       | 35               |
| 2000 - 2259                                                                                                                                                                                                              | 68                                                                                                                                                                                                                                                                                               | 68                       | 33               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>57</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

WARTIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE NORTHAG FORWARD AREAS DURING DEC

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                       | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW<br>THE PERCENTAGES OF TIME THAT YOU CAN EXPECT WARTIME CLOSE AIR SUPPORT AND AIR RE-<br>CONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                                         | UP TO 249 METERS                                                                                                                                                                                                                                                                                 | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                             | 61                                                                                                                                                                                                                                                                                               | 62                       | 26               |
| 0200 - 0459                                                                                                                                                                                                             | 62                                                                                                                                                                                                                                                                                               | 65                       | 26               |
| 0500 - 0759                                                                                                                                                                                                             | 60                                                                                                                                                                                                                                                                                               | 62                       | 25               |
| 0800 - 1059                                                                                                                                                                                                             | 54                                                                                                                                                                                                                                                                                               | 59                       | 26               |
| 1100 - 1359                                                                                                                                                                                                             | 60                                                                                                                                                                                                                                                                                               | 64                       | 31               |
| 1400 - 1659                                                                                                                                                                                                             | 60                                                                                                                                                                                                                                                                                               | 64                       | 31               |
| 1700 - 1959                                                                                                                                                                                                             | 62                                                                                                                                                                                                                                                                                               | 68                       | 30               |
| 2000 - 2259                                                                                                                                                                                                             | 62                                                                                                                                                                                                                                                                                               | 65                       | 28               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOUR. YOU CAN EXPECT WAR-<br/>TIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE TO BE POSSIBLE AT LEAST <u>59</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                  |                          |                  |

## PART 2

### SECTION D

#### PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE

THIS SECTION OUTLINES THE PERCENTAGES OF TIME THAT CLOSE AIR SUPPORT AND AIR RECONNAISSANCE FLIGHTS CAN BE EXPECTED BY AIR FORCE AIRCRAFT. THE DATA REFER ONLY TO VISUAL FLYING POSSIBILITIES AND HAVE NOTHING TO DO WITH AVAILABILITY OF AIRCRAFT, ETC. MINIMA USED ARE CLOUD CEILINGS GREATER THAN OR EQUAL TO 2000 FEET AND VISIBILITIES GREATER THAN OR EQUAL TO 5 NM. THESE CRITERIA ARE ESTABLISHED FOR PEACETIME OPERATIONS AND NORMALLY DO NOT CHANGE.

CERTAIN TACTICAL AIRCRAFT ARE ELECTRONICALLY EQUIPPED TO OPERATE IN CONDITIONS REGARDLESS OF CLOUD CEILINGS AND VISIBILITIES. FLIGHTS OF THIS NATURE ARE RARELY AUTHORIZED IN PEACETIME. DATA IN THIS SECTION DO NOT APPLY TO THIS TYPE OF AIRCRAFT.

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING JAN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 26                                                                                                                                                                                                                                                                                                  | 26                     | 22               |
| 0200 - 0459                                                                                                                                                                                                                     | 25                                                                                                                                                                                                                                                                                                  | 21                     | 20               |
| 0500 - 0759                                                                                                                                                                                                                     | 24                                                                                                                                                                                                                                                                                                  | 20                     | 23               |
| 0800 - 1059                                                                                                                                                                                                                     | 22                                                                                                                                                                                                                                                                                                  | 20                     | 23               |
| 1100 - 1359                                                                                                                                                                                                                     | 26                                                                                                                                                                                                                                                                                                  | 30                     | 24               |
| 1400 - 1659                                                                                                                                                                                                                     | 28                                                                                                                                                                                                                                                                                                  | 29                     | 23               |
| 1700 - 1959                                                                                                                                                                                                                     | 25                                                                                                                                                                                                                                                                                                  | 26                     | 21               |
| 2000 - 2259                                                                                                                                                                                                                     | 26                                                                                                                                                                                                                                                                                                  | 25                     | 23               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>20</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING FEB

HOURS OF THE DAY  
(LOCAL TIMES)

GROUND ELEVATION ABOVE SEA LEVEL

DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT COLUMN.

UP TO 249 METERS

BETWEEN 250-499 METERS

ABOVE 500 METERS

2300 - 0159

24

20

29

0200 - 0459

23

12

30

0500 - 0759

20

13

28

0800 - 1059

19

15

30

1100 - 1359

26

26

36

1400 - 1659

31

31

37

1700 - 1959

28

28

31

2000 - 2259

27

23

31

EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST 15 % OR MORE OF THE TIME.

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING MAR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 40                                                                                                                                                                                                                                                                                                  | 34                     | 29               |
| 0200 - 0459                                                                                                                                                                                                                     | 37                                                                                                                                                                                                                                                                                                  | 32                     | 25               |
| 0500 - 0759                                                                                                                                                                                                                     | 26                                                                                                                                                                                                                                                                                                  | 22                     | 23               |
| 0800 - 1059                                                                                                                                                                                                                     | 31                                                                                                                                                                                                                                                                                                  | 26                     | 26               |
| 1100 - 1359                                                                                                                                                                                                                     | 44                                                                                                                                                                                                                                                                                                  | 40                     | 32               |
| 1400 - 1659                                                                                                                                                                                                                     | 50                                                                                                                                                                                                                                                                                                  | 47                     | 36               |
| 1700 - 1959                                                                                                                                                                                                                     | 45                                                                                                                                                                                                                                                                                                  | 40                     | 32               |
| 2000 - 2259                                                                                                                                                                                                                     | 47                                                                                                                                                                                                                                                                                                  | 39                     | 29               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>26</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING APR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 58                                                                                                                                                                                                                                                                                                  | 41                     | 39               |
| 0200 - 0459                                                                                                                                                                                                                     | 49                                                                                                                                                                                                                                                                                                  | 29                     | 38               |
| 0500 - 0759                                                                                                                                                                                                                     | 35                                                                                                                                                                                                                                                                                                  | 22                     | 38               |
| 0800 - 1059                                                                                                                                                                                                                     | 46                                                                                                                                                                                                                                                                                                  | 34                     | 41               |
| 1100 - 1359                                                                                                                                                                                                                     | 61                                                                                                                                                                                                                                                                                                  | 54                     | 42               |
| 1400 - 1659                                                                                                                                                                                                                     | 67                                                                                                                                                                                                                                                                                                  | 65                     | 49               |
| 1700 - 1959                                                                                                                                                                                                                     | 65                                                                                                                                                                                                                                                                                                  | 59                     | 52               |
| 2000 - 2259                                                                                                                                                                                                                     | 64                                                                                                                                                                                                                                                                                                  | 52                     | 47               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>34</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING MAY

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 63                                                                                                                                                                                                                                                                                                  | 48                     | 57               |
| 0200 - 0459                                                                                                                                                                                                                     | 49                                                                                                                                                                                                                                                                                                  | 29                     | 53               |
| 0500 - 0759                                                                                                                                                                                                                     | 49                                                                                                                                                                                                                                                                                                  | 29                     | 52               |
| 0800 - 1059                                                                                                                                                                                                                     | 63                                                                                                                                                                                                                                                                                                  | 52                     | 56               |
| 1100 - 1359                                                                                                                                                                                                                     | 73                                                                                                                                                                                                                                                                                                  | 67                     | 59               |
| 1400 - 1659                                                                                                                                                                                                                     | 77                                                                                                                                                                                                                                                                                                  | 76                     | 63               |
| 1700 - 1959                                                                                                                                                                                                                     | 76                                                                                                                                                                                                                                                                                                  | 73                     | 64               |
| 2000 - 2259                                                                                                                                                                                                                     | 70                                                                                                                                                                                                                                                                                                  | 60                     | 59               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>52</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING JUN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 64                                                                                                                                                                                                                                                                                                  | 46                     | 51               |
| 0200 - 0459                                                                                                                                                                                                                     | 48                                                                                                                                                                                                                                                                                                  | 32                     | 43               |
| 0500 - 0759                                                                                                                                                                                                                     | 48                                                                                                                                                                                                                                                                                                  | 30                     | 48               |
| 0800 - 1059                                                                                                                                                                                                                     | 64                                                                                                                                                                                                                                                                                                  | 53                     | 51               |
| 1100 - 1359                                                                                                                                                                                                                     | 75                                                                                                                                                                                                                                                                                                  | 69                     | 56               |
| 1400 - 1659                                                                                                                                                                                                                     | 80                                                                                                                                                                                                                                                                                                  | 77                     | 60               |
| 1700 - 1959                                                                                                                                                                                                                     | 80                                                                                                                                                                                                                                                                                                  | 73                     | 61               |
| 2000 - 2259                                                                                                                                                                                                                     | 71                                                                                                                                                                                                                                                                                                  | 58                     | 57               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>53</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING JUL

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 62                                                                                                                                                                                                                                                                                                  | 50                     | 42               |
| 0200 - 0459                                                                                                                                                                                                                     | 46                                                                                                                                                                                                                                                                                                  | 34                     | 37               |
| 0500 - 0759                                                                                                                                                                                                                     | 45                                                                                                                                                                                                                                                                                                  | 35                     | 37               |
| 0800 - 0959                                                                                                                                                                                                                     | 63                                                                                                                                                                                                                                                                                                  | 56                     | 42               |
| 1100 - 1359                                                                                                                                                                                                                     | 77                                                                                                                                                                                                                                                                                                  | 74                     | 54               |
| 1400 - 1659                                                                                                                                                                                                                     | 81                                                                                                                                                                                                                                                                                                  | 80                     | 61               |
| 1700 - 1959                                                                                                                                                                                                                     | 80                                                                                                                                                                                                                                                                                                  | 77                     | 61               |
| 2000 - 2259                                                                                                                                                                                                                     | 68                                                                                                                                                                                                                                                                                                  | 62                     | 50               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>56</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING AUG

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 64                                                                                                                                                                                                                                                                                                  | 45                     | 56               |
| 0200 - 0459                                                                                                                                                                                                                     | 50                                                                                                                                                                                                                                                                                                  | 31                     | 51               |
| 0500 - 0759                                                                                                                                                                                                                     | 42                                                                                                                                                                                                                                                                                                  | 25                     | 50               |
| 0800 - 1059                                                                                                                                                                                                                     | 59                                                                                                                                                                                                                                                                                                  | 47                     | 56               |
| 1100 - 1359                                                                                                                                                                                                                     | 74                                                                                                                                                                                                                                                                                                  | 69                     | 62               |
| 1400 - 1659                                                                                                                                                                                                                     | 80                                                                                                                                                                                                                                                                                                  | 80                     | 70               |
| 1700 - 1959                                                                                                                                                                                                                     | 77                                                                                                                                                                                                                                                                                                  | 71                     | 67               |
| 2000 - 2259                                                                                                                                                                                                                     | 71                                                                                                                                                                                                                                                                                                  | 58                     | 62               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>47</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING SEP

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 54                                                                                                                                                                                                                                                                                                  | 41                     | 38               |
| 0200 - 0459                                                                                                                                                                                                                     | 48                                                                                                                                                                                                                                                                                                  | 35                     | 38               |
| 0500 - 0759                                                                                                                                                                                                                     | 36                                                                                                                                                                                                                                                                                                  | 28                     | 36               |
| 0800 - 1059                                                                                                                                                                                                                     | 48                                                                                                                                                                                                                                                                                                  | 39                     | 43               |
| 1100 - 1359                                                                                                                                                                                                                     | 64                                                                                                                                                                                                                                                                                                  | 58                     | 52               |
| 1400 - 1659                                                                                                                                                                                                                     | 70                                                                                                                                                                                                                                                                                                  | 68                     | 57               |
| 1700 - 1959                                                                                                                                                                                                                     | 62                                                                                                                                                                                                                                                                                                  | 56                     | 50               |
| 2000 - 2259                                                                                                                                                                                                                     | 61                                                                                                                                                                                                                                                                                                  | 53                     | 42               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>39 %</u> OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING OCT

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 40                                                                                                                                                                                                                                                                                                  | 26                     | 36               |
| 0200 - 0459                                                                                                                                                                                                                     | 36                                                                                                                                                                                                                                                                                                  | 20                     | 35               |
| 0500 - 0759                                                                                                                                                                                                                     | 26                                                                                                                                                                                                                                                                                                  | 18                     | 34               |
| 0800 - 1059                                                                                                                                                                                                                     | 31                                                                                                                                                                                                                                                                                                  | 24                     | 36               |
| 1100 - 1359                                                                                                                                                                                                                     | 43                                                                                                                                                                                                                                                                                                  | 41                     | 41               |
| 1400 - 1659                                                                                                                                                                                                                     | 49                                                                                                                                                                                                                                                                                                  | 50                     | 45               |
| 1700 - 1959                                                                                                                                                                                                                     | 44                                                                                                                                                                                                                                                                                                  | 37                     | 42               |
| 2000 - 2259                                                                                                                                                                                                                     | 42                                                                                                                                                                                                                                                                                                  | 29                     | 40               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>24</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING NOV

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 40                                                                                                                                                                                                                                                                                                  | 31                     | 23               |
| 0200 - 0459                                                                                                                                                                                                                     | 40                                                                                                                                                                                                                                                                                                  | 34                     | 23               |
| 0500 - 0759                                                                                                                                                                                                                     | 37                                                                                                                                                                                                                                                                                                  | 26                     | 25               |
| 0800 - 1059                                                                                                                                                                                                                     | 35                                                                                                                                                                                                                                                                                                  | 30                     | 24               |
| 1100 - 1359                                                                                                                                                                                                                     | 43                                                                                                                                                                                                                                                                                                  | 42                     | 27               |
| 1400 - 1659                                                                                                                                                                                                                     | 44                                                                                                                                                                                                                                                                                                  | 43                     | 27               |
| 1700 - 1959                                                                                                                                                                                                                     | 42                                                                                                                                                                                                                                                                                                  | 40                     | 26               |
| 2000 - 2259                                                                                                                                                                                                                     | 42                                                                                                                                                                                                                                                                                                  | 39                     | 24               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>30</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE IN NORTHAG FORWARD AREAS DURING DEC

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                                               | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS, FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT PEACETIME CLOSE AIR SUPPORT AND<br>AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE DURING THE TIMES SHOWN IN THE LEFT<br>COLUMN. |                        |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|
|                                                                                                                                                                                                                                 | UP TO 249 METERS                                                                                                                                                                                                                                                                                    | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                                                     | 35                                                                                                                                                                                                                                                                                                  | 32                     | 18               |
| 0200 - 0459                                                                                                                                                                                                                     | 34                                                                                                                                                                                                                                                                                                  | 32                     | 18               |
| 0500 - 0759                                                                                                                                                                                                                     | 33                                                                                                                                                                                                                                                                                                  | 30                     | 18               |
| 0800 - 1059                                                                                                                                                                                                                     | 30                                                                                                                                                                                                                                                                                                  | 28                     | 20               |
| 1100 - 1359                                                                                                                                                                                                                     | 34                                                                                                                                                                                                                                                                                                  | 37                     | 23               |
| 1400 - 1659                                                                                                                                                                                                                     | 35                                                                                                                                                                                                                                                                                                  | 36                     | 22               |
| 1700 - 1959                                                                                                                                                                                                                     | 33                                                                                                                                                                                                                                                                                                  | 39                     | 23               |
| 2000 - 2259                                                                                                                                                                                                                     | 34                                                                                                                                                                                                                                                                                                  | 33                     | 20               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND THE LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT<br/>PEACETIME CLOSE AIR SUPPORT/AIR RECONNAISSANCE OPERATIONS TO BE POSSIBLE AT LEAST <u>28</u> % OR MORE<br/>OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                     |                        |                  |

### PART 3

#### GROUND OBSCURATION

A PRIMARY CONCERN OF FIELD COMMANDERS IS DETECTION FROM THE AIR BY ENEMY AIRCRAFT. PERCENTAGES IN THIS SECTION ARE DESIGNED TO ALERT COMMANDERS TO THOSE PERIODS WHEN THEIR FORCES ARE MORE SUSCEPTIBLE TO VISUAL DETECTION BY OVERFLYING ENEMY AIRCRAFT. IT IS BASED ON THE PERCENT OF TIME WHEN THERE IS NOT 4/8 OR MORE OF CLOUD OR OBSCURATION AT OR BELOW 500 FT.

INFORMATION HERE APPLIES TO DETECTION BY VISUAL MEANS ONLY. IT DOES NOT APPLY IN ANY WAY TO OVERFLYING AIRCRAFT POSSESSING ELECTRONIC DETECTION EQUIPMENT SUCH AS INFRARED AND RADAR.

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GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING JAN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 85                                                                                                                                                                                                                                                                                             | 89                       | 84               |
| 0200 - 0459                                                                                                                                                                                              | 83                                                                                                                                                                                                                                                                                             | 89                       | 83               |
| 0500 - 0759                                                                                                                                                                                              | 82                                                                                                                                                                                                                                                                                             | 87                       | 83               |
| 0800 - 1059                                                                                                                                                                                              | 83                                                                                                                                                                                                                                                                                             | 88                       | 84               |
| 1100 - 1359                                                                                                                                                                                              | 86                                                                                                                                                                                                                                                                                             | 90                       | 84               |
| 1400 - 1659                                                                                                                                                                                              | 86                                                                                                                                                                                                                                                                                             | 92                       | 84               |
| 1700 - 1959                                                                                                                                                                                              | 85                                                                                                                                                                                                                                                                                             | 89                       | 83               |
| 2000 - 2259                                                                                                                                                                                              | 84                                                                                                                                                                                                                                                                                             | 90                       | 85               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>88</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING FEB

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                    | GROUND ELEVATION ABOVE SEA LEVEL                                                                                                                                                                                                                  |                          |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                      | DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE LEFT COLUMN. |                          |                  |
|                                                                                                                                                                                                      | UP TO 249 METERS                                                                                                                                                                                                                                  | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                          | 84                                                                                                                                                                                                                                                | 87                       | 85               |
| 0200 - 0459                                                                                                                                                                                          | 83                                                                                                                                                                                                                                                | 85                       | 89               |
| 0500 - 0759                                                                                                                                                                                          | 82                                                                                                                                                                                                                                                | 84                       | 87               |
| 0800 - 1059                                                                                                                                                                                          | 82                                                                                                                                                                                                                                                | 85                       | 84               |
| 1100 - 1359                                                                                                                                                                                          | 86                                                                                                                                                                                                                                                | 90                       | 85               |
| 1400 - 1659                                                                                                                                                                                          | 88                                                                                                                                                                                                                                                | 89                       | 85               |
| 1700 - 1959                                                                                                                                                                                          | 88                                                                                                                                                                                                                                                | 89                       | 86               |
| 2000 - 2359                                                                                                                                                                                          | 85                                                                                                                                                                                                                                                | 88                       | 86               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>85</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                   |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING MAR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 92                                                                                                                                                                                                                                                                                             | 90                       | 89               |
| 0200 - 0459                                                                                                                                                                                              | 91                                                                                                                                                                                                                                                                                             | 89                       | 89               |
| 0500 - 0759                                                                                                                                                                                              | 88                                                                                                                                                                                                                                                                                             | 87                       | 88               |
| 0800 - 1059                                                                                                                                                                                              | 89                                                                                                                                                                                                                                                                                             | 87                       | 85               |
| 1100 - 1359                                                                                                                                                                                              | 93                                                                                                                                                                                                                                                                                             | 93                       | 87               |
| 1400 - 1659                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                             | 93                       | 88               |
| 1700 - 1959                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                             | 92                       | 87               |
| 2000 - 2259                                                                                                                                                                                              | 93                                                                                                                                                                                                                                                                                             | 92                       | 87               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>87</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING APR

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                             | 94                       | 90               |
| 0200 - 0459                                                                                                                                                                                              | 93                                                                                                                                                                                                                                                                                             | 94                       | 90               |
| 0500 - 0759                                                                                                                                                                                              | 90                                                                                                                                                                                                                                                                                             | 89                       | 88               |
| 0800 - 1059                                                                                                                                                                                              | 93                                                                                                                                                                                                                                                                                             | 92                       | 86               |
| 1100 - 1359                                                                                                                                                                                              | 96                                                                                                                                                                                                                                                                                             | 96                       | 87               |
| 1400 - 1659                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 97                       | 87               |
| 1700 - 1959                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 97                       | 90               |
| 2000 - 2259                                                                                                                                                                                              | 95                                                                                                                                                                                                                                                                                             | 96                       | 90               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>92</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING MAY

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 95                       | 92               |
| 0200 - 0459                                                                                                                                                                                              | 95                                                                                                                                                                                                                                                                                             | 92                       | 93               |
| 0500 - 0759                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                             | 90                       | 92               |
| 0800 - 1059                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 93                       | 90               |
| 1100 - 1359                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 97                       | 92               |
| 1400 - 1659                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 97                       | 92               |
| 1700 - 1959                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 97                       | 92               |
| 2000 - 2259                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 96                       | 91               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>93</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING JUN

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 94                       | 91               |
| 0200 - 0459                                                                                                                                                                                              | 95                                                                                                                                                                                                                                                                                             | 91                       | 94               |
| 0500 - 0759                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                             | 90                       | 92               |
| 0800 - 1059                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 94                       | 90               |
| 1100 - 1359                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 97                       | 90               |
| 1400 - 1659                                                                                                                                                                                              | 99                                                                                                                                                                                                                                                                                             | 99                       | 90               |
| 1700 - 1959                                                                                                                                                                                              | 99                                                                                                                                                                                                                                                                                             | 98                       | 91               |
| 2000 - 2259                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 97                       | 92               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>94</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

## GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING JUL

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 97                       | 91               |
| 0200 - 0459                                                                                                                                                                                              | 95                                                                                                                                                                                                                                                                                             | 95                       | 92               |
| 0500 - 0759                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                             | 94                       | 90               |
| 0800 - 1059                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 97                       | 88               |
| 1100 - 1359                                                                                                                                                                                              | 99                                                                                                                                                                                                                                                                                             | 98                       | 90               |
| 1400 - 1659                                                                                                                                                                                              | 99                                                                                                                                                                                                                                                                                             | 99                       | 91               |
| 1700 - 1959                                                                                                                                                                                              | 99                                                                                                                                                                                                                                                                                             | 98                       | 90               |
| 2000 - 2259                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 99                       | 93               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>97</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING AUG

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
|                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                |                          |                  |
| 2300 - 0159                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 97                       | 93               |
| 0200 - 0459                                                                                                                                                                                              | 96                                                                                                                                                                                                                                                                                             | 94                       | 95               |
| 0500 - 0759                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                             | 93                       | 91               |
| 0800 - 1059                                                                                                                                                                                              | 97                                                                                                                                                                                                                                                                                             | 96                       | 89               |
| 1100 - 1359                                                                                                                                                                                              | 98                                                                                                                                                                                                                                                                                             | 98                       | 91               |
| 1400 - 1659                                                                                                                                                                                              | 99                                                                                                                                                                                                                                                                                             | 98                       | 91               |
| 1700 - 1959                                                                                                                                                                                              | 99                                                                                                                                                                                                                                                                                             | 98                       | 92               |
| 2000 - 2259                                                                                                                                                                                              | 99                                                                                                                                                                                                                                                                                             | 98                       | 93               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>96</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING SEP

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                    | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                      | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                          | 96                                                                                                                                                                                                                                                                                             | 95                       | 91               |
| 0200 - 0459                                                                                                                                                                                          | 94                                                                                                                                                                                                                                                                                             | 93                       | 94               |
| 0500 - 0759                                                                                                                                                                                          | 92                                                                                                                                                                                                                                                                                             | 91                       | 94               |
| 0800 - 1059                                                                                                                                                                                          | 94                                                                                                                                                                                                                                                                                             | 93                       | 89               |
| 1100 - 1359                                                                                                                                                                                          | 97                                                                                                                                                                                                                                                                                             | 97                       | 89               |
| 1400 - 1659                                                                                                                                                                                          | 98                                                                                                                                                                                                                                                                                             | 98                       | 91               |
| 1700 - 1959                                                                                                                                                                                          | 98                                                                                                                                                                                                                                                                                             | 97                       | 93               |
| 2000 - 2259                                                                                                                                                                                          | 97                                                                                                                                                                                                                                                                                             | 96                       | 91               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>93</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING OCT

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 90                                                                                                                                                                                                                                                                                             | 86                       | 90               |
| 0200 - 0459                                                                                                                                                                                              | 88                                                                                                                                                                                                                                                                                             | 85                       | 91               |
| 0500 - 0759                                                                                                                                                                                              | 85                                                                                                                                                                                                                                                                                             | 85                       | 90               |
| 0800 - 1059                                                                                                                                                                                              | 86                                                                                                                                                                                                                                                                                             | 87                       | 88               |
| 1100 - 1359                                                                                                                                                                                              | 92                                                                                                                                                                                                                                                                                             | 94                       | 89               |
| 1400 - 1659                                                                                                                                                                                              | 94                                                                                                                                                                                                                                                                                             | 92                       | 88               |
| 1700 - 1959                                                                                                                                                                                              | 93                                                                                                                                                                                                                                                                                             | 90                       | 90               |
| 2000 - 2259                                                                                                                                                                                              | 91                                                                                                                                                                                                                                                                                             | 89                       | 90               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>87</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING NOV

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 90                                                                                                                                                                                                                                                                                             | 89                       | 85               |
| 0200 - 0459                                                                                                                                                                                              | 90                                                                                                                                                                                                                                                                                             | 88                       | 85               |
| 0500 - 0759                                                                                                                                                                                              | 88                                                                                                                                                                                                                                                                                             | 87                       | 85               |
| 0800 - 1059                                                                                                                                                                                              | 88                                                                                                                                                                                                                                                                                             | 86                       | 82               |
| 1100 - 1359                                                                                                                                                                                              | 91                                                                                                                                                                                                                                                                                             | 91                       | 83               |
| 1400 - 1659                                                                                                                                                                                              | 92                                                                                                                                                                                                                                                                                             | 92                       | 85               |
| 1700 - 1959                                                                                                                                                                                              | 91                                                                                                                                                                                                                                                                                             | 91                       | 85               |
| 2000 - 2259                                                                                                                                                                                              | 89                                                                                                                                                                                                                                                                                             | 90                       | 84               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>86</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

GROUND OBSCURATION IN NORTHAG FORWARD AREAS DURING DEC

| HOURS OF THE DAY<br>(LOCAL TIMES)                                                                                                                                                                        | GROUND ELEVATION ABOVE SEA LEVEL<br>DETERMINE YOUR ELEVATION FROM ONE OF THESE COLUMNS. FIGURES UNDER THAT COLUMN<br>SHOW THE PERCENTAGES OF TIME THAT YOU CAN EXPECT YOUR POSITION TO BE EXPOSED<br>TO DETECTION FROM THE AIR BY ENEMY AIRCRAFT DURING THE TIMES SHOWN IN THE<br>LEFT COLUMN. |                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                                                                                                                                                                                                          | UP TO 249 METERS                                                                                                                                                                                                                                                                               | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| 2300 - 0159                                                                                                                                                                                              | 87                                                                                                                                                                                                                                                                                             | 87                       | 84               |
| 0200 - 0459                                                                                                                                                                                              | 86                                                                                                                                                                                                                                                                                             | 87                       | 85               |
| 0500 - 0759                                                                                                                                                                                              | 85                                                                                                                                                                                                                                                                                             | 86                       | 83               |
| 0800 - 1059                                                                                                                                                                                              | 86                                                                                                                                                                                                                                                                                             | 89                       | 83               |
| 1100 - 1359                                                                                                                                                                                              | 88                                                                                                                                                                                                                                                                                             | 90                       | 85               |
| 1400 - 1659                                                                                                                                                                                              | 88                                                                                                                                                                                                                                                                                             | 91                       | 86               |
| 1700 - 1959                                                                                                                                                                                              | 89                                                                                                                                                                                                                                                                                             | 90                       | 85               |
| 2000 - 2259                                                                                                                                                                                              | 87                                                                                                                                                                                                                                                                                             | 89                       | 84               |
| <p>EXAMPLE: YOUR GROUND ELEVATION IS 450 METERS AND LOCAL TIME IS 0900 HOURS. YOU CAN EXPECT YOUR<br/>POSITION TO BE DETECTED BY OVERFLYING ENEMY AIRCRAFT AT LEAST <u>89</u> % OR MORE OF THE TIME.</p> |                                                                                                                                                                                                                                                                                                |                          |                  |

#### PART 4

##### PARA-DROP, CHEMICAL OPERATIONS, AND VISUAL HIGH LEVEL BOMBING

THIS CHART SHOWS THE MEAN NUMBER OF DAYS FOR EACH MONTH OF THE YEAR THAT THESE OPERATIONS CAN BE EXPECTED TO BE FAVORABLY EXECUTED IN NORTHAG FORWARD AREAS. IT IS DESIGNED TO PROVIDE GENERAL INDICATIONS AS TO WHETHER OR NOT WEATHER CONDITIONS DURING THE MONTHS INDICATED WILL PRECLUDE SUCH OPERATIONS.

PARA-DROP REFERS TO PERSONNEL ONLY AND IS BASED ON CLOUD CEILINGS GREATER THAN OR EQUAL TO 1250 FEET AND VISIBILITIES GREATER THAN OR EQUAL TO 2 1/2 NM, AND SURFACE WINDS 13 KNOTS OR LESS. CHEMICAL CRITERIA IS BASED ON SURFACE WIND SPEEDS OF 4 - 10 KNOTS, TEMPERATURES 33 - 80 DEGREES FAHRENHEIT, AND NO PRECIPITATION OCCURRING.

HIGH LEVEL BOMBING CRITERIA ARE BASED ON SKY COVER LESS THAN OR EQUAL TO 4/8 AND VISIBILITIES EQUAL TO OR GREATER THAN 2 1/2 NM.

87/88

PARA-DROP, CHEMICAL OPERATIONS  
 AND  
 HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING JAN

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT<br>COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT<br>OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                        |                              |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                                 | CHEMICAL<br>OPERATIONS | VISUAL HIGH LEVEL<br>BOMBING |
| 2300 - 0159                                             | 11                                                                                                                                                                                                                          | 6                      | 6                            |
| 0200 - 0459                                             | 11                                                                                                                                                                                                                          | 6                      | 5                            |
| 0500 - 0759                                             | 11                                                                                                                                                                                                                          | 6                      | 5                            |
| 0800 - 1059                                             | 9                                                                                                                                                                                                                           | 6                      | 3                            |
| 1100 - 1359                                             | 10                                                                                                                                                                                                                          | 7                      | 4                            |
| 1400 - 1659                                             | 11                                                                                                                                                                                                                          | 7                      | 4                            |
| 1700 - 1959                                             | 11                                                                                                                                                                                                                          | 6                      | 5                            |
| 2000 - 2259                                             | 11                                                                                                                                                                                                                          | 6                      | 5                            |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                             |                        |                              |

PARA-DROP, CHEMICAL OPERATIONS  
 AND  
 HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING FEB

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT<br>COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT<br>OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                        |                              |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                                 | CHEMICAL<br>OPERATIONS | VISUAL HIGH LEVEL<br>BOMBING |
| 2300 - 0159                                             | 11                                                                                                                                                                                                                          | 5                      | 6                            |
| 0200 - 0459                                             | 10                                                                                                                                                                                                                          | 5                      | 5                            |
| 0500 - 0759                                             | 9                                                                                                                                                                                                                           | 5                      | 4                            |
| 0800 - 1059                                             | 8                                                                                                                                                                                                                           | 6                      | 4                            |
| 1100 - 1359                                             | 10                                                                                                                                                                                                                          | 8                      | 5                            |
| 1400 - 1659                                             | 13                                                                                                                                                                                                                          | 9                      | 5                            |
| 1700 - 1959                                             | 12                                                                                                                                                                                                                          | 7                      | 6                            |
| 2000 - 2259                                             | 12                                                                                                                                                                                                                          | 6                      | 6                            |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                             |                        |                              |

PARA-DROP, CHEMICAL OPERATIONS  
 AND  
 HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING MAR

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                     |                           |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                           | CHEMICAL OPERATIONS | VISUAL HIGH LEVEL BOMBING |
| 2300 - 0159                                             | 17                                                                                                                                                                                                                    | 9                   | 11                        |
| 0200 - 0459                                             | 16                                                                                                                                                                                                                    | 8                   | 10                        |
| 0500 - 0759                                             | 12                                                                                                                                                                                                                    | 7                   | 6                         |
| 0800 - 1059                                             | 12                                                                                                                                                                                                                    | 9                   | 6                         |
| 1100 - 1359                                             | 14                                                                                                                                                                                                                    | 10                  | 7                         |
| 1400 - 1659                                             | 16                                                                                                                                                                                                                    | 11                  | 8                         |
| 1700 - 1959                                             | 18                                                                                                                                                                                                                    | 11                  | 9                         |
| 2000 - 2259                                             | 18                                                                                                                                                                                                                    | 10                  | 12                        |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                       |                     |                           |

PARA-DROP, CHEMICAL OPERATIONS  
AND

HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING APR

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                     |                           |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                           | CHEMICAL OPERATIONS | VISUAL HIGH LEVEL BOMBING |
| 2300 - 0159                                             | 20                                                                                                                                                                                                                    | 11                  | 14                        |
| 0200 - 0459                                             | 18                                                                                                                                                                                                                    | 11                  | 11                        |
| 0500 - 0759                                             | 15                                                                                                                                                                                                                    | 10                  | 7                         |
| 0800 - 1059                                             | 16                                                                                                                                                                                                                    | 11                  | 8                         |
| 1100 - 1359                                             | 18                                                                                                                                                                                                                    | 11                  | 8                         |
| 1400 - 1659                                             | 19                                                                                                                                                                                                                    | 11                  | 9                         |
| 1700 - 1959                                             | 21                                                                                                                                                                                                                    | 12                  | 11                        |
| 2000 - 2259                                             | 22                                                                                                                                                                                                                    | 12                  | 14                        |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                       |                     |                           |

PARA-DROP, CHEMICAL OPERATIONS  
 AND  
 HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING MAY

| HOURS OF THE DAY<br>(LOCAL TIMES) | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                     |                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
|                                   | PARA - DROP                                                                                                                                                                                                           | CHEMICAL OPERATIONS | VISUAL HIGH LEVEL BOMBING |
| 2300 - 0159                       | 24                                                                                                                                                                                                                    | 13                  | 16                        |
| 0200 - 0459                       | 21                                                                                                                                                                                                                    | 13                  | 12                        |
| 0500 - 0759                       | 20                                                                                                                                                                                                                    | 13                  | 11                        |
| 0800 - 1059                       | 22                                                                                                                                                                                                                    | 15                  | 12                        |
| 1100 - 1359                       | 23                                                                                                                                                                                                                    | 14                  | 11                        |
| 1400 - 1659                       | 23                                                                                                                                                                                                                    | 14                  | 11                        |
| 1700 - 1959                       | 25                                                                                                                                                                                                                    | 14                  | 12                        |
| 2000 - 2259                       | 25                                                                                                                                                                                                                    | 13                  | 14                        |

NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS.

PARA-DROP, CHEMICAL OPERATIONS  
AND  
HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING JUN

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                     |                           |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                           | CHEMICAL OPERATIONS | VISUAL HIGH LEVEL BOMBING |
| 2300 - 0159                                             | 24                                                                                                                                                                                                                    | 13                  | 15                        |
| 0200 - 0459                                             | 20                                                                                                                                                                                                                    | 13                  | 11                        |
| 0500 - 0759                                             | 20                                                                                                                                                                                                                    | 12                  | 10                        |
| 0800 - 1059                                             | 22                                                                                                                                                                                                                    | 14                  | 10                        |
| 1100 - 1359                                             | 23                                                                                                                                                                                                                    | 14                  | 10                        |
| 1400 - 1659                                             | 23                                                                                                                                                                                                                    | 14                  | 11                        |
| 1700 - 1959                                             | 25                                                                                                                                                                                                                    | 14                  | 12                        |
| 2000 - 2259                                             | 25                                                                                                                                                                                                                    | 13                  | 14                        |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                       |                     |                           |

PARA-DROP, CHEMICAL OPERATIONS  
 AND  
 HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING JUL

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                     |                           |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                           | CHEMICAL OPERATIONS | VISUAL HIGH LEVEL BOMBING |
| 2300 - 0159                                             | 25                                                                                                                                                                                                                    | 13                  | 14                        |
| 0200 - 0459                                             | 21                                                                                                                                                                                                                    | 13                  | 9                         |
| 0500 - 0759                                             | 20                                                                                                                                                                                                                    | 13                  | 8                         |
| 0800 - 1059                                             | 22                                                                                                                                                                                                                    | 14                  | 8                         |
| 1100 - 1359                                             | 23                                                                                                                                                                                                                    | 13                  | 8                         |
| 1400 - 1659                                             | 23                                                                                                                                                                                                                    | 13                  | 9                         |
| 1700 - 1959                                             | 25                                                                                                                                                                                                                    | 14                  | 11                        |
| 2000 - 2259                                             | 26                                                                                                                                                                                                                    | 13                  | 13                        |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                       |                     |                           |

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CLIMATOLOGY HANDBOOK FOR NORTHAG FORWARD AREAS. (U)  
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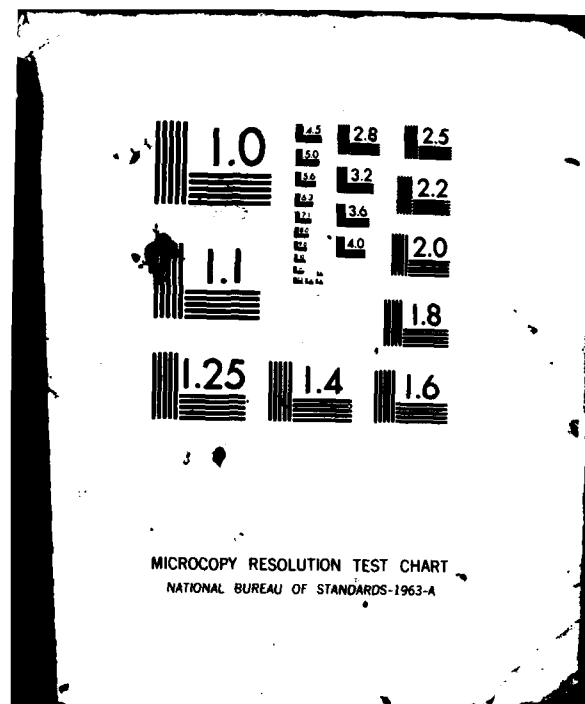
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PARA-DROP, CHEMICAL OPERATIONS  
 AND  
 HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING AUG

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT<br>COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT<br>OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                        |                              |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                                 | CHEMICAL<br>OPERATIONS | VISUAL HIGH LEVEL<br>BOMBING |
| 2300 - 0159                                             | 24                                                                                                                                                                                                                          | 13                     | 16                           |
| 0200 - 0459                                             | 22                                                                                                                                                                                                                          | 13                     | 13                           |
| 0500 - 0759                                             | 19                                                                                                                                                                                                                          | 12                     | 10                           |
| 0800 - 1059                                             | 23                                                                                                                                                                                                                          | 15                     | 11                           |
| 1100 - 1359                                             | 25                                                                                                                                                                                                                          | 15                     | 11                           |
| 1400 - 1659                                             | 25                                                                                                                                                                                                                          | 15                     | 12                           |
| 1700 - 1959                                             | 26                                                                                                                                                                                                                          | 14                     | 13                           |
| 2000 - 2259                                             | 26                                                                                                                                                                                                                          | 14                     | 16                           |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                             |                        |                              |

PARA-DROP, CHEMICAL OPERATIONS  
 AND  
 HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING SEP

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT<br>COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT<br>OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                        |                              |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                                 | CHEMICAL<br>OPERATIONS | VISUAL HIGH LEVEL<br>BOMBING |
| 2300 - 0159                                             | 20                                                                                                                                                                                                                          | 12                     | 12                           |
| 0200 - 0459                                             | 18                                                                                                                                                                                                                          | 12                     | 11                           |
| 0500 - 0759                                             | 15                                                                                                                                                                                                                          | 11                     | 7                            |
| 0800 - 1059                                             | 17                                                                                                                                                                                                                          | 12                     | 8                            |
| 1100 - 1359                                             | 19                                                                                                                                                                                                                          | 12                     | 9                            |
| 1400 - 1659                                             | 21                                                                                                                                                                                                                          | 12                     | 9                            |
| 1700 - 1959                                             | 22                                                                                                                                                                                                                          | 12                     | 9                            |
| 2000 - 2259                                             | 22                                                                                                                                                                                                                          | 13                     | 13                           |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                             |                        |                              |

PARA-DROP, CHEMICAL OPERATIONS  
AND

HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING OCT

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                     |                           |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                           | CHEMICAL OPERATIONS | VISUAL HIGH LEVEL BOMBING |
| 2300 - 0159                                             | 15                                                                                                                                                                                                                    | 12                  | 9                         |
| 0200 - 0459                                             | 14                                                                                                                                                                                                                    | 12                  | 8                         |
| 0500 - 0759                                             | 11                                                                                                                                                                                                                    | 11                  | 5                         |
| 0800 - 1059                                             | 12                                                                                                                                                                                                                    | 13                  | 5                         |
| 1100 - 1359                                             | 16                                                                                                                                                                                                                    | 13                  | 6                         |
| 1400 - 1659                                             | 18                                                                                                                                                                                                                    | 14                  | 7                         |
| 1700 - 1959                                             | 17                                                                                                                                                                                                                    | 12                  | 8                         |
| 2000 - 2259                                             | 16                                                                                                                                                                                                                    | 12                  | 9                         |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                       |                     |                           |

PARA-DROP, CHEMICAL OPERATIONS  
 AND  
 HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING NOV

| HOURS OF THE DAY<br>(LOCAL TIMES) | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                     |                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
|                                   | PARA - DROP                                                                                                                                                                                                           | CHEMICAL OPERATIONS | VISUAL HIGH LEVEL BOMBING |
| 2300 - 0159                       | 13                                                                                                                                                                                                                    | 8                   | 7                         |
| 0200 - 0459                       | 13                                                                                                                                                                                                                    | 8                   | 7                         |
| 0500 - 0759                       | 13                                                                                                                                                                                                                    | 8                   | 5                         |
| 0800 - 1059                       | 12                                                                                                                                                                                                                    | 9                   | 4                         |
| 1100 - 1359                       | 13                                                                                                                                                                                                                    | 9                   | 5                         |
| 1400 - 1659                       | 15                                                                                                                                                                                                                    | 10                  | 5                         |
| 1700 - 1959                       | 15                                                                                                                                                                                                                    | 10                  | 7                         |
| 2000 - 2259                       | 14                                                                                                                                                                                                                    | 9                   | 7                         |

NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS.

PARA-DROP, CHEMICAL OPERATIONS  
AND

HIGH LEVEL BOMBING IN NORTHAG FORWARD AREAS DURING DEC

| HOURS OF THE DAY<br>(LOCAL TIMES)                       | DETERMINE THE TYPE OF OPERATION YOU ARE INTERESTED IN. THE FIGURES UNDER THAT COLUMN SHOW THE NUMBER OF DAYS THAT YOU CAN EXPECT TO BE FAVORABLE FOR THAT OPERATION DURING THE TIMES OF DAY SHOWN IN THE LEFT COLUMN. |                     |                           |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
|                                                         | PARA - DROP                                                                                                                                                                                                           | CHEMICAL OPERATIONS | VISUAL HIGH LEVEL BOMBING |
| 2300 - 0159                                             | 12                                                                                                                                                                                                                    | 6                   | 6                         |
| 0200 - 0459                                             | 12                                                                                                                                                                                                                    | 7                   | 6                         |
| 0500 - 0759                                             | 12                                                                                                                                                                                                                    | 7                   | 6                         |
| 0800 - 1059                                             | 11                                                                                                                                                                                                                    | 7                   | 4                         |
| 1100 - 1359                                             | 11                                                                                                                                                                                                                    | 7                   | 4                         |
| 1400 - 1659                                             | 12                                                                                                                                                                                                                    | 7                   | 4                         |
| 1700 - 1959                                             | 12                                                                                                                                                                                                                    | 7                   | 6                         |
| 2000 - 2259                                             | 12                                                                                                                                                                                                                    | 6                   | 6                         |
| NOTE: HIGHER ELEVATIONS WILL AVERAGE 25-50% FEWER DAYS. |                                                                                                                                                                                                                       |                     |                           |

PART 5

GALE WINDS

THIS PART PROVIDES STATISTICS ON THE MEAN NUMBER OF DAYS PER MONTH THAT GALE WINDS CAN BE EXPECTED AT VARIOUS ELEVATIONS. GALE WINDS ARE SURFACE WINDS THAT EXCEED 34 KNOTS IN SPEED.

AS CAN BE EXPECTED, WINDS GENERALLY INCREASE WITH HEIGHT. NOTE TOO THAT THE HIGHEST PERCENTAGES OF GALE WINDS OCCUR IN THE WINTER.

104/102

GALE WINDS FOR NORTHAG FORWARD AREAS

| MONTH | MEAN NUMBER OF DAYS WITH GALE FORCE WINDS (> 34 KNOTS) |                  |                        |                  |
|-------|--------------------------------------------------------|------------------|------------------------|------------------|
|       | COASTAL AREAS                                          | UP TO 249 METERS | BETWEEN 250-499 METERS | ABOVE 500 METERS |
| JAN   | 2                                                      | *                | 1                      | 9                |
| FEB   | *                                                      | 0                | *                      | 6                |
| MAR   | 1                                                      | 0                | *                      | 8                |
| APR   | 1                                                      | 0                | *                      | 5                |
| MAY   | *                                                      | 0                | 0                      | 3                |
| JUN   | *                                                      | 0                | *                      | 3                |
| JUL   | *                                                      | 0                | 0                      | 4                |
| AUG   | *                                                      | 0                | 0                      | 2                |
| SEP   | 1                                                      | 0                | 0                      | 5                |
| OCT   | 1                                                      | 0                | 0                      | 6                |
| NOV   | 2                                                      | *                | 1                      | 10               |
| DEC   | 2                                                      | *                | 2                      | 11               |

\*INDICATES LESS THAN ONE DAY A MONTH

NOTE: EXPOSED MOUNTAIN PEAKS WILL EXPERIENCE SIGNIFICANTLY MORE DAYS (UP TO DOUBLE) OF GALE FORCE WINDS.

PART 6

SNOW DEPTHS

THIS CHART PROVIDES A GOOD IDEA OF WHAT DEPTHS OF SNOW CAN BE EXPECTED IN NORTHAG FORWARD AREAS DURING THE SNOW SEASON. THREE CATEGORIES OF DEPTH ARE GIVEN: 1 INCH OR MORE; 6 INCHES OR MORE; AND 10 INCHES OR MORE.

STATISTICS SHOWN ARE FOR THE INTERMEDIATE ELEVATIONS AND REFLECT THE MEAN NUMBER OF DAYS PER MONTH THAT SPECIFIED DEPTHS ARE EXPECTED TO OCCUR.

105/106

SNOW DEPTH FOR NORTHAG FORWARD AREAS

| MONTH | MEAN NUMBER OF DAYS WITH SPECIFIED SNOW DEPTHS |                 |                  |
|-------|------------------------------------------------|-----------------|------------------|
|       | 1.0 IN. OR MORE                                | 6.0 IN. OR MORE | 10.0 IN. OR MORE |
| JAN   | 16                                             | 5               | 2                |
| FEB   | 15                                             | 5               | 2                |
| MAR   | 7                                              | 1               | *                |
| APR   | 2                                              | 0               | 0                |
| MAY   | *                                              | 0               | 0                |
| JUN   | 0                                              | 0               | 0                |
| JUL   | 0                                              | 0               | 0                |
| AUG   | 0                                              | 0               | 0                |
| SEP   | 0                                              | 0               | 0                |
| OCT   | *                                              | 0               | 0                |
| NOV   | 1                                              | *               | *                |
| DEC.  | 8                                              | 1               | *                |

\*LESS THAN ONE DAY A MONTH

NOTE: SNOW DEPTHS SHOWN ABOVE ARE FOR ELEVATIONS BETWEEN 250 AND 499 METERS. LOWER ELEVATIONS WILL HAVE FEWER DAYS AND HIGHER ELEVATIONS WILL HAVE MORE DAYS THAN SHOWN.

PART 7

MEAN MONTHLY TEMPERATURES

TEMPERATURES LISTED IN THIS PART ARE THE MEAN MAXIMUM AND MINIMUM DAILY TEMPERATURES THAT CAN BE EXPECTED FOR THE MONTHS OF THE YEAR. DEGREES ARE GIVEN IN FAHRENHEIT FOR INTERMEDIATE ELEVATIONS. SEE THE NOTE AT THE BOTTOM OF THE TEMPERATURE CHART FOR INFORMATION CONCERNING HIGHER AND LOWER ELEVATION TEMPERATURES.

IT MUST BE REMEMBERED THAT THESE DAILY MAX AND MIN TEMPERATURES ARE THE MEAN TEMPERATURES THAT OCCUR UNDER NORMAL WINTER/SPRING/SUMMER/FALL CONDITIONS. ABNORMAL WEATHER SYSTEMS OCCUR OFTEN THROUGHOUT THE YEAR AND CAN CAUSE CONSIDERABLE DEVIATION FROM THESE MEANS.

TEMPERATURE CHART FOR NORTHAG FORWARD AREAS

| MONTH | TEMPERATURES (°F)  |                    |
|-------|--------------------|--------------------|
|       | MEAN DAILY MAXIMUM | MEAN DAILY MINIMUM |
| JAN   | 34                 | 25                 |
| FEB   | 34                 | 23                 |
| MAR   | 44                 | 30                 |
| APR   | 53                 | 37                 |
| MAY   | 62                 | 44                 |
| JUN   | 68                 | 50                 |
| JUL   | 71                 | 55                 |
| AUG   | 71                 | 53                 |
|       | 64                 | 48                 |
| OCT   | 55                 | 42                 |
| NOV   | 43                 | 35                 |
| DEC   | 38                 | 31                 |

NOTE: TEMPERATURES INDICATED ABOVE ARE MOST REPRESENTATIVE OF INTERMEDIATE ELEVATIONS (250-499 METERS). FOR ELEVATIONS BELOW 250 METERS ADD 2-4°F AND FOR ELEVATIONS ABOVE 499 METERS SUBTRACT 1½°F PER 100 METERS.

## PART 8

### WIND CHILL TEMPERATURES

DURING WINTER, TEMPERATURES AND SURFACE WIND COMBINE TO CREATE A WIND CHILL TEMPERATURE. AT ANY GIVEN TEMPERATURE THE WIND CHILL BECOMES INCREASINGLY COLDER AS WINDS INCREASE. UNLESS THIS SITUATION IS RECOGNIZED IN SEVERE CONDITIONS, SERIOUS CASES OF FROSTBITE AND FREEZING FLESH CAN HAPPEN VERY QUICKLY. COMBAT TROOPS ARE VERY SUSCEPTIBLE TO THESE CONDITIONS.

THIS WIND CHILL CHART IS DESIGNED TO ENABLE FIELD PERSONNEL, IN PARTICULAR COMMANDERS AND SUPERVISORY PERSONNEL, TO DETERMINE WIND CHILL TEMPERATURES. BY TAKING PRECAUTIONARY MEASURES AHEAD OF TIME, FIELD PERSONNEL CAN INSURE A FAR GREATER DEGREE OF SAFETY AND COMFORT.

| WIND SPEED                            |       | AIR TEMPERATURE (°F) |     |     |     |                                                      |     |     |     |     |     |                                                  |     |     |      |      |      |      |      |
|---------------------------------------|-------|----------------------|-----|-----|-----|------------------------------------------------------|-----|-----|-----|-----|-----|--------------------------------------------------|-----|-----|------|------|------|------|------|
|                                       |       | 35                   | 30  | 25  | 20  | 15                                                   | 10  | 05  | 0   | -05 | -10 | -15                                              | -20 | -25 | -30  | -35  | -40  | -45  | -50  |
| 1-5                                   | 1-4   | 30                   | 25  | 20  | 15  | 10                                                   | 05  | 0   | -05 | -10 | -15 | -20                                              | -25 | -30 | -35  | -40  | -45  | -50  | -55  |
| 6-10                                  | 5-9   | 20                   | 15  | 10  | 05  | 0                                                    | -10 | -15 | -20 | -25 | -35 | -40                                              | -45 | -50 | -60  | -65  | -70  | -75  | -85  |
| 11-15                                 | 10-13 | 15                   | 10  | 0   | -05 | -10                                                  | -20 | -25 | -30 | -40 | -45 | -50                                              | -60 | -65 | -70  | -80  | -85  | -90  | -100 |
| 16-20                                 | 14-17 | 10                   | 05  | 0   | -10 | -20                                                  | -25 | -30 | -40 | -45 | -55 | -60                                              | -65 | -75 | -80  | -90  | -95  | -105 | -110 |
| 21-25                                 | 18-22 | 10                   | 0   | -05 | -15 | -20                                                  | -30 | -35 | -45 | -50 | -60 | -65                                              | -75 | -80 | -90  | -95  | -105 | -110 | -120 |
| 26-30                                 | 23-26 | 05                   | 0   | -10 | -20 | -25                                                  | -35 | -40 | -50 | -55 | -65 | -70                                              | -80 | -85 | -95  | -100 | -110 | -115 | -125 |
| > 30                                  | > 26  | 05                   | -05 | -10 | -20 | -30                                                  | -35 | -40 | -50 | -60 | -65 | -75                                              | -80 | -90 | -100 | -105 | -115 | -120 | -130 |
| Greater Wind Speeds add Little Effect |       | Little Danger        |     |     |     | Increasing Danger<br>(Flesh may freeze within 1 min) |     |     |     |     |     | Great Danger<br>(Flesh may freeze within 30 sec) |     |     |      |      |      |      |      |

Equivalent Chill Temperature (°F) as a function of actual Temperature and Wind Speed (Source: AFVA 161-1)

#### INSTRUCTIONS:

Enter chart with local air temperature and wind speed; intersection gives equivalent chill temperature (i.e., The temperature which would produce the same cooling effect without wind.)

#### NOTES:

1. Danger zones refer to likelihood of frostbite to exposed flesh. When ECT is below -70°F, freezing may occur in less than 30 seconds.
2. Wind varies with location and must therefore be measured or estimated on site. Artificial wind can also be a problem and danger of frostbite is greatly increased by riding in open vehicles or exposure to prop wash.
3. Clothing selection and its proper use are of great importance. Significant protection is offered by small items such as light gloves and use of a parka hood to shield the face from wind.

## PART 9

### MONTHLY PRECIPITATION ACCUMULATION

PRECIPITATION (RAIN/SNOW) ACCUMULATION CAN HAVE A SIGNIFICANT IMPACT ON MILITARY OPERATIONS. THE FIGURES ON THIS CHART INDICATE THE AMOUNTS OF PRECIPITATION IN INCHES THAT CAN BE EXPECTED DURING EACH MONTH OF THE YEAR. AS A GENERAL RULE, AMOUNTS IN EXCESS OF ABOUT TWO INCHES GENERALLY MEANS THAT GROUND CONDITIONS ARE MOIST OR WET MOST OF THE TIME EXCEPT IN THE SUMMER WHEN EVAPORATION PROCESSES USUALLY KEEP SOILS DRY.

INCHES OF SNOW DEPTH CAN BE TRANSLATED TO INCHES OF WATER AT THE RATE OF .1 INCH WATER FOR EVERY 1 INCH OF SNOW. TEN INCHES OF SNOW WOULD MELT INTO 1 INCH OF WATER.

GREATER AMOUNTS OF PRECIPITATION WILL FALL AT HIGHER ELEVATIONS, WHERE GROUND CONDITIONS ARE NORMALLY POORER THAN AT LOWER ELEVATIONS. AN EXCEPTION TO THIS IS IN WINTER WHEN GROUND AT HIGHER ELEVATIONS IS OFTEN FROZEN.

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PRECIPITATION CHART FOR NORTHAG FORWARD AREAS

| MONTH | MEAN MONTHLY PRECIPITATION (INCHES) |                          |                  |
|-------|-------------------------------------|--------------------------|------------------|
|       | UP TO 249 METERS                    | BETWEEN 250 - 499 METERS | ABOVE 500 METERS |
| JAN   | 2.0*                                | 2.0                      | 4.6              |
| FEB   | 1.5*                                | 1.7                      | 4.0              |
| MAR   | 1.5                                 | 1.7                      | 3.5              |
| APR   | 1.8                                 | 2.1                      | 3.6              |
| MAY   | 2.1                                 | 2.3                      | 3.4              |
| JUN   | 2.3                                 | 2.4                      | 4.0              |
| JUL   | 3.1*                                | 3.0                      | 4.9              |
| AUG   | 2.9*                                | 2.6                      | 4.4              |
| SEP   | 2.3*                                | 2.0                      | 3.6              |
| OCT   | 2.2*                                | 2.3                      | 4.1              |
| NOV   | 2.0*                                | 2.1                      | 4.3              |
| DEC   | 2.2*                                | 2.0                      | 5.1              |

\*DURING THESE MONTHS THERE IS A GREAT DEAL OF CHANGE FROM THE NW SECTOR TO THE SE SECTOR OF THE NORTHAG FORWARD AREAS. THE MEAN PRECIPITATION DURING THESE MONTHS WILL BE  $\frac{1}{4}$ (.50) INCH GREATER IN THE NW SECTOR AND  $\frac{1}{4}$ (.50) INCH LESS IN THE SE SECTOR.

PART 1C

LIGHT DATA

THE FOLLOWING LIGHT DATA INFORMATION IS PROVIDED IN THIS PART:

SR: SUNRISE  
SS: SUNSET  
BMNT: BEGINNING OF MORNING NAUTICAL TWILIGHT  
EENT: ENDING OF EVENING NAUTICAL TWILIGHT

TIMES GIVEN ARE LOCAL TIMES AND ARE FOR HAMBURG, WEST GERMANY (53°38'N 10°00'E). THESE STATISTICS ARE VALID YEAR AFTER YEAR AND DO NOT CHANGE. SINCE MOON DATA CHANGES EACH YEAR, IT IS NOT INCLUDED HERE. MOON INFORMATION CAN BE OBTAINED FROM YOUR STAFF WEATHER OFFICER.

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**LIGHT DATA FOR NORTHAG FORWARD AREAS  
(ALL TIMES ARE LOCAL)**

| JANUARY |      |      |      |      |
|---------|------|------|------|------|
| DAY     | SR   | SS   | BMNT | EENT |
| 1       | 0837 | 1610 | 0709 | 1738 |
| 2       | 0837 | 1611 | 0709 | 1739 |
| 3       | 0837 | 1612 | 0709 | 1740 |
| 4       | 0836 | 1614 | 0708 | 1742 |
| 5       | 0836 | 1615 | 0708 | 1743 |
| 6       | 0836 | 1616 | 0708 | 1744 |
| 7       | 0835 | 1618 | 0708 | 1745 |
| 8       | 0835 | 1619 | 0708 | 1746 |
| 9       | 0834 | 1620 | 0707 | 1747 |
| 10      | 0833 | 1622 | 0707 | 1749 |
| 11      | 0833 | 1623 | 0706 | 1750 |
| 12      | 0832 | 1625 | 0706 | 1751 |
| 13      | 0831 | 1627 | 0705 | 1753 |
| 14      | 0830 | 1628 | 0705 | 1754 |
| 15      | 0829 | 1630 | 0704 | 1755 |
| 16      | 0828 | 1632 | 0703 | 1757 |
| 17      | 0827 | 1633 | 0702 | 1758 |
| 18      | 0826 | 1635 | 0702 | 1800 |
| 19      | 0825 | 1637 | 0701 | 1801 |
| 20      | 0824 | 1639 | 0700 | 1803 |
| 21      | 0823 | 1640 | 0659 | 1804 |
| 22      | 0821 | 1642 | 0658 | 1806 |
| 23      | 0820 | 1644 | 0657 | 1807 |
| 24      | 0819 | 1646 | 0656 | 1809 |
| 25      | 0817 | 1648 | 0655 | 1810 |
| 26      | 0816 | 1650 | 0654 | 1812 |
| 27      | 0815 | 1652 | 0652 | 1814 |
| 28      | 0813 | 1654 | 0651 | 1815 |
| 29      | 0811 | 1655 | 0650 | 1817 |
| 30      | 0810 | 1657 | 0649 | 1819 |
| 31      | 0808 | 1659 | 0647 | 1820 |

| FEBRUARY |      |      |      |      |
|----------|------|------|------|------|
| DAY      | SR   | SS   | BMNT | EENT |
| 1        | 0807 | 1701 | 0646 | 1822 |
| 2        | 0805 | 1703 | 0644 | 1824 |
| 3        | 0803 | 1705 | 0643 | 1826 |
| 4        | 0801 | 1707 | 0641 | 1827 |
| 5        | 0800 | 1709 | 0640 | 1829 |
| 6        | 0758 | 1711 | 0638 | 1831 |
| 7        | 0756 | 1713 | 0637 | 1832 |
| 8        | 0754 | 1715 | 0635 | 1834 |
| 9        | 0752 | 1717 | 0633 | 1836 |
| 10       | 0750 | 1719 | 0632 | 1838 |
| 11       | 0748 | 1721 | 0630 | 1840 |
| 12       | 0746 | 1723 | 0628 | 1841 |
| 13       | 0744 | 1725 | 0626 | 1843 |
| 14       | 0742 | 1727 | 0625 | 1845 |
| 15       | 0740 | 1729 | 0623 | 1847 |
| 16       | 0738 | 1731 | 0621 | 1849 |
| 17       | 0736 | 1733 | 0619 | 1850 |
| 18       | 0734 | 1735 | 0617 | 1852 |
| 19       | 0732 | 1737 | 0615 | 1854 |
| 20       | 0729 | 1739 | 0613 | 1856 |
| 21       | 0727 | 1741 | 0611 | 1858 |
| 22       | 0725 | 1743 | 0609 | 1900 |
| 23       | 0723 | 1745 | 0607 | 1901 |
| 24       | 0721 | 1747 | 0605 | 1903 |
| 25       | 0718 | 1749 | 0602 | 1905 |
| 26       | 0716 | 1751 | 0600 | 1907 |
| 27       | 0714 | 1753 | 0558 | 1909 |
| 28       | 0712 | 1755 | 0556 | 1911 |
| 29       | 0710 | 1756 | 0555 | 1912 |

**LIGHT DATA FOR NORTHAG FORWARD AREAS**  
(ALL TIMES ARE LOCAL)

| MARCH |      |      |      |      |
|-------|------|------|------|------|
| DAY   | SR   | SS   | BMNT | EENT |
| 1     | 0709 | 1757 | 0554 | 1912 |
| 2     | 0707 | 1759 | 0551 | 1914 |
| 3     | 0705 | 1800 | 0549 | 1916 |
| 4     | 0702 | 1802 | 0547 | 1918 |
| 5     | 0700 | 1804 | 0544 | 1920 |
| 6     | 0658 | 1806 | 0542 | 1922 |
| 7     | 0655 | 1808 | 0540 | 1924 |
| 8     | 0653 | 1810 | 0537 | 1926 |
| 9     | 0650 | 1812 | 0535 | 1928 |
| 10    | 0648 | 1814 | 0533 | 1929 |
| 11    | 0646 | 1816 | 0530 | 1931 |
| 12    | 0643 | 1818 | 0528 | 1933 |
| 13    | 0641 | 1819 | 0525 | 1935 |
| 14    | 0638 | 1821 | 0523 | 1937 |
| 15    | 0636 | 1823 | 0520 | 1939 |
| 16    | 0634 | 1825 | 0518 | 1941 |
| 17    | 0631 | 1827 | 0515 | 1943 |
| 18    | 0629 | 1829 | 0513 | 1945 |
| 19    | 0626 | 1831 | 0510 | 1947 |
| 20    | 0624 | 1832 | 0508 | 1949 |
| 21    | 0621 | 1834 | 0505 | 1951 |
| 22    | 0619 | 1836 | 0502 | 1953 |
| 23    | 0617 | 1838 | 0500 | 1955 |
| 24    | 0614 | 1840 | 0457 | 1957 |
| 25    | 0612 | 1842 | 0455 | 1959 |
| 26    | 0609 | 1844 | 0452 | 2001 |
| 27    | 0607 | 1845 | 0449 | 2003 |
| 28    | 0604 | 1847 | 0447 | 2005 |
| 29    | 0602 | 1849 | 0444 | 2007 |
| 30    | 0559 | 1851 | 0441 | 2009 |
| 31    | 0557 | 1853 | 0439 | 2012 |

| APRIL |      |      |      |      |
|-------|------|------|------|------|
| DAY   | SR   | SS   | BMNT | EENT |
| 1     | 0555 | 1855 | 0436 | 2014 |
| 2     | 0552 | 1856 | 0433 | 2016 |
| 3     | 0550 | 1858 | 0430 | 2018 |
| 4     | 0547 | 1900 | 0428 | 2020 |
| 5     | 0545 | 1902 | 0425 | 2022 |
| 6     | 0543 | 1904 | 0422 | 2025 |
| 7     | 0540 | 1906 | 0419 | 2027 |
| 8     | 0538 | 1907 | 0417 | 2029 |
| 9     | 0535 | 1909 | 0414 | 2031 |
| 10    | 0533 | 1911 | 0411 | 2033 |
| 11    | 0531 | 1913 | 0408 | 2036 |
| 12    | 0528 | 1915 | 0406 | 2038 |
| 13    | 0526 | 1917 | 0403 | 2040 |
| 14    | 0524 | 1918 | 0400 | 2043 |
| 15    | 0521 | 1920 | 0357 | 2045 |
| 16    | 0519 | 1922 | 0354 | 2047 |
| 17    | 0517 | 1924 | 0351 | 2050 |
| 18    | 0514 | 1926 | 0349 | 2052 |
| 19    | 0512 | 1928 | 0346 | 2054 |
| 20    | 0510 | 1929 | 0343 | 2057 |
| 21    | 0508 | 1931 | 0340 | 2059 |
| 22    | 0505 | 1933 | 0337 | 2102 |
| 23    | 0503 | 1935 | 0334 | 2104 |
| 24    | 0501 | 1937 | 0332 | 2107 |
| 25    | 0459 | 1939 | 0329 | 2109 |
| 26    | 0457 | 1940 | 0326 | 2112 |
| 27    | 0454 | 1942 | 0323 | 2114 |
| 28    | 0452 | 1944 | 0320 | 2117 |
| 29    | 0450 | 1946 | 0317 | 2120 |
| 30    | 0448 | 1948 | 0314 | 2122 |

LIGHT DATA FOR NORTHAG FORWARD AREAS  
(ALL TIMES ARE LOCAL)

| MAY |      |      |      |      |
|-----|------|------|------|------|
| DAY | SR   | SS   | BMNT | EENT |
| 1   | 0446 | 1949 | 0311 | 2125 |
| 2   | 0444 | 1951 | 0309 | 2127 |
| 3   | 0442 | 1953 | 0306 | 2130 |
| 4   | 0440 | 1955 | 0303 | 2133 |
| 5   | 0438 | 1957 | 0300 | 2135 |
| 6   | 0436 | 1958 | 0257 | 2138 |
| 7   | 0434 | 2000 | 0254 | 2141 |
| 8   | 0432 | 2002 | 0251 | 2144 |
| 9   | 0430 | 2004 | 0249 | 2146 |
| 10  | 0428 | 2005 | 0246 | 2149 |
| 11  | 0427 | 2007 | 0243 | 2152 |
| 12  | 0425 | 2009 | 0240 | 2155 |
| 13  | 0423 | 2011 | 0237 | 2158 |
| 14  | 0421 | 2012 | 0234 | 2200 |
| 15  | 0420 | 2014 | 0232 | 2203 |
| 16  | 0418 | 2016 | 0229 | 2206 |
| 17  | 0417 | 2017 | 0226 | 2209 |
| 18  | 0415 | 2019 | 0223 | 2212 |
| 19  | 0413 | 2020 | 0220 | 2215 |
| 20  | 0412 | 2022 | 0218 | 2217 |
| 21  | 0410 | 2024 | 0215 | 2220 |
| 22  | 0409 | 2025 | 0212 | 2223 |
| 23  | 0408 | 2027 | 0210 | 2226 |
| 24  | 0406 | 2028 | 0207 | 2229 |
| 25  | 0405 | 2029 | 0204 | 2232 |
| 26  | 0404 | 2031 | 0202 | 2235 |
| 27  | 0403 | 2032 | 0159 | 2237 |
| 28  | 0401 | 2034 | 0156 | 2240 |
| 29  | 0400 | 2035 | 0154 | 2243 |
| 30  | 0359 | 2036 | 0151 | 2246 |
| 31  | 0358 | 2038 | 0149 | 2249 |

| JUNE |      |      |      |      |
|------|------|------|------|------|
| DAY  | SR   | SS   | BMNT | EENT |
| 1    | 0357 | 2039 | 0146 | 2251 |
| 2    | 0356 | 2040 | 0144 | 2254 |
| 3    | 0356 | 2041 | 0142 | 2256 |
| 4    | 0355 | 2042 | 0139 | 2259 |
| 5    | 0354 | 2043 | 0137 | 2302 |
| 6    | 0353 | 2044 | 0135 | 2304 |
| 7    | 0353 | 2045 | 0133 | 2306 |
| 8    | 0352 | 2046 | 0131 | 2309 |
| 9    | 0352 | 2047 | 0129 | 2311 |
| 10   | 0351 | 2048 | 0127 | 2313 |
| 11   | 0351 | 2049 | 0126 | 2315 |
| 12   | 0350 | 2049 | 0124 | 2317 |
| 13   | 0350 | 2050 | 0122 | 2319 |
| 14   | 0350 | 2051 | 0121 | 2320 |
| 15   | 0349 | 2051 | 0120 | 2322 |
| 16   | 0349 | 2052 | 0119 | 2323 |
| 17   | 0349 | 2052 | 0118 | 2324 |
| 18   | 0349 | 2053 | 0118 | 2325 |
| 19   | 0349 | 2053 | 0117 | 2326 |
| 20   | 0349 | 2053 | 0117 | 2326 |
| 21   | 0350 | 2054 | 0117 | 2326 |
| 22   | 0350 | 2054 | 0117 | 2327 |
| 23   | 0350 | 2054 | 0117 | 2326 |
| 24   | 0350 | 2054 | 0118 | 2326 |
| 25   | 0351 | 2054 | 0119 | 2326 |
| 26   | 0351 | 2054 | 0120 | 2325 |
| 27   | 0352 | 2054 | 0121 | 2324 |
| 28   | 0352 | 2054 | 0122 | 2323 |
| 29   | 0353 | 2054 | 0123 | 2322 |
| 30   | 0353 | 2053 | 0125 | 2320 |

LIGHT DATA FOR NORTHAG FORWARD AREAS  
(ALL TIMES ARE LOCAL)

| JULY |      |      |      |      |
|------|------|------|------|------|
| DAY  | SR   | SS   | BMNT | EENT |
| 1    | 0354 | 2053 | 0127 | 2319 |
| 2    | 0355 | 2053 | 0129 | 2317 |
| 3    | 0356 | 2052 | 0131 | 2316 |
| 4    | 0356 | 2052 | 0133 | 2314 |
| 5    | 0357 | 2051 | 0135 | 2312 |
| 6    | 0358 | 2050 | 0137 | 2310 |
| 7    | 0359 | 2050 | 0140 | 2308 |
| 8    | 0400 | 2049 | 0142 | 2306 |
| 9    | 0401 | 2048 | 0145 | 2303 |
| 10   | 0402 | 2047 | 0147 | 2301 |
| 11   | 0403 | 2047 | 0150 | 2259 |
| 12   | 0405 | 2046 | 0152 | 2256 |
| 13   | 0406 | 2045 | 0155 | 2254 |
| 14   | 0407 | 2044 | 0158 | 2251 |
| 15   | 0408 | 2042 | 0201 | 2249 |
| 16   | 0410 | 2041 | 0203 | 2246 |
| 17   | 0411 | 2040 | 0206 | 2244 |
| 18   | 0412 | 2039 | 0209 | 2241 |
| 19   | 0414 | 2038 | 0212 | 2238 |
| 20   | 0415 | 2036 | 0215 | 2236 |
| 21   | 0417 | 2035 | 0217 | 2233 |
| 22   | 0418 | 2034 | 0220 | 2230 |
| 23   | 0420 | 2032 | 0223 | 2227 |
| 24   | 0421 | 2031 | 0226 | 2225 |
| 25   | 0423 | 2029 | 0229 | 2222 |
| 26   | 0424 | 2028 | 0231 | 2219 |
| 27   | 0426 | 2026 | 0234 | 2216 |
| 28   | 0427 | 2024 | 0237 | 2214 |
| 29   | 0429 | 2023 | 0240 | 2211 |
| 30   | 0431 | 2021 | 0243 | 2208 |
| 31   | 0432 | 2019 | 0245 | 2205 |

| AUGUST |      |      |      |      |
|--------|------|------|------|------|
| DAY    | SR   | SS   | BMNT | EENT |
| 1      | 0434 | 2018 | 0248 | 2202 |
| 2      | 0436 | 2016 | 0251 | 2159 |
| 3      | 0437 | 2014 | 0253 | 2157 |
| 4      | 0439 | 2012 | 0256 | 2154 |
| 5      | 0441 | 2010 | 0259 | 2151 |
| 6      | 0442 | 2008 | 0302 | 2148 |
| 7      | 0444 | 2006 | 0304 | 2145 |
| 8      | 0446 | 2004 | 0307 | 2142 |
| 9      | 0447 | 2002 | 0309 | 2139 |
| 10     | 0449 | 2000 | 0312 | 2136 |
| 11     | 0451 | 1958 | 0315 | 2134 |
| 12     | 0453 | 1956 | 0317 | 2131 |
| 13     | 0454 | 1954 | 0320 | 2128 |
| 14     | 0456 | 1952 | 0322 | 2125 |
| 15     | 0458 | 1950 | 0325 | 2122 |
| 16     | 0500 | 1948 | 0327 | 2119 |
| 17     | 0501 | 1946 | 0330 | 2116 |
| 18     | 0503 | 1943 | 0332 | 2113 |
| 19     | 0505 | 1941 | 0335 | 2111 |
| 20     | 0507 | 1939 | 0337 | 2108 |
| 21     | 0508 | 1937 | 0340 | 2105 |
| 22     | 0510 | 1934 | 0342 | 2102 |
| 23     | 0512 | 1932 | 0344 | 2059 |
| 24     | 0514 | 1930 | 0347 | 2056 |
| 25     | 0515 | 1928 | 0349 | 2053 |
| 26     | 0517 | 1925 | 0351 | 2051 |
| 27     | 0519 | 1923 | 0354 | 2048 |
| 28     | 0521 | 1921 | 0356 | 2045 |
| 29     | 0522 | 1918 | 0358 | 2042 |
| 30     | 0524 | 1916 | 0400 | 2039 |
| 31     | 0526 | 1914 | 0403 | 2036 |

LIGHT DATA FOR NORTHAG FORWARD AREAS  
(ALL TIMES ARE LOCAL)

| SEPTEMBER |      |      |      |      |
|-----------|------|------|------|------|
| DAY       | SR   | SS   | BMNT | EENT |
| 1         | 0528 | 1911 | 0405 | 2034 |
| 2         | 0530 | 1909 | 0407 | 2031 |
| 3         | 0531 | 1906 | 0409 | 2028 |
| 4         | 0533 | 1904 | 0411 | 2025 |
| 5         | 0535 | 1902 | 0413 | 2022 |
| 6         | 0537 | 1859 | 0416 | 2020 |
| 7         | 0538 | 1857 | 0418 | 2017 |
| 8         | 0540 | 1854 | 0420 | 2014 |
| 9         | 0542 | 1852 | 0422 | 2011 |
| 10        | 0544 | 1849 | 0424 | 2009 |
| 11        | 0545 | 1847 | 0426 | 2006 |
| 12        | 0547 | 1845 | 0428 | 2003 |
| 13        | 0549 | 1842 | 0430 | 2000 |
| 14        | 0551 | 1840 | 0432 | 1958 |
| 15        | 0552 | 1837 | 0434 | 1955 |
| 16        | 0554 | 1835 | 0436 | 1952 |
| 17        | 0556 | 1832 | 0438 | 1950 |
| 18        | 0558 | 1830 | 0440 | 1947 |
| 19        | 0559 | 1827 | 0442 | 1944 |
| 20        | 0601 | 1825 | 0444 | 1942 |
| 21        | 0603 | 1822 | 0446 | 1939 |
| 22        | 0605 | 1820 | 0448 | 1936 |
| 23        | 0606 | 1818 | 0450 | 1934 |
| 24        | 0608 | 1815 | 0452 | 1931 |
| 25        | 0610 | 1813 | 0454 | 1929 |
| 26        | 0612 | 1810 | 0455 | 1926 |
| 27        | 0613 | 1808 | 0457 | 1924 |
| 28        | 0615 | 1805 | 0459 | 1921 |
| 29        | 0617 | 1803 | 0501 | 1918 |
| 30        | 0619 | 1800 | 0503 | 1916 |

| OCTOBER |      |      |      |      |
|---------|------|------|------|------|
| DAY     | SR   | SS   | BMNT | EENT |
| 1       | 0621 | 1758 | 0505 | 1913 |
| 2       | 0622 | 1755 | 0507 | 1911 |
| 3       | 0624 | 1753 | 0509 | 1909 |
| 4       | 0626 | 1751 | 0510 | 1906 |
| 5       | 0628 | 1748 | 0512 | 1904 |
| 6       | 0630 | 1746 | 0514 | 1901 |
| 7       | 0631 | 1743 | 0516 | 1859 |
| 8       | 0633 | 1741 | 0518 | 1856 |
| 9       | 0635 | 1739 | 0519 | 1854 |
| 10      | 0637 | 1736 | 0521 | 1852 |
| 11      | 0639 | 1734 | 0523 | 1849 |
| 12      | 0641 | 1732 | 0525 | 1847 |
| 13      | 0642 | 1729 | 0527 | 1845 |
| 14      | 0644 | 1727 | 0528 | 1843 |
| 15      | 0646 | 1725 | 0530 | 1840 |
| 16      | 0648 | 1722 | 0532 | 1838 |
| 17      | 0650 | 1720 | 0534 | 1836 |
| 18      | 0652 | 1718 | 0536 | 1834 |
| 19      | 0654 | 1716 | 0537 | 1832 |
| 20      | 0656 | 1713 | 0539 | 1830 |
| 21      | 0657 | 1711 | 0541 | 1828 |
| 22      | 0659 | 1709 | 0543 | 1826 |
| 23      | 0701 | 1707 | 0544 | 1823 |
| 24      | 0703 | 1705 | 0546 | 1821 |
| 25      | 0705 | 1702 | 0548 | 1819 |
| 26      | 0707 | 1700 | 0550 | 1818 |
| 27      | 0709 | 1658 | 0551 | 1816 |
| 28      | 0711 | 1656 | 0553 | 1814 |
| 29      | 0713 | 1654 | 0555 | 1812 |
| 30      | 0715 | 1652 | 0557 | 1810 |
| 31      | 0717 | 1650 | 0558 | 1808 |

LIGHT DATA FOR NORTHAG FORWARD AREAS  
(ALL TIMES ARE LOCAL)

| NOVEMBER |      |      |      |      |
|----------|------|------|------|------|
| DAY      | SR   | SS   | BMNT | EENT |
| 1        | 0719 | 1648 | 0600 | 1806 |
| 2        | 0720 | 1646 | 0602 | 1805 |
| 3        | 0722 | 1644 | 0603 | 1803 |
| 4        | 0724 | 1642 | 0605 | 1801 |
| 5        | 0726 | 1640 | 0607 | 1800 |
| 6        | 0728 | 1638 | 0608 | 1758 |
| 7        | 0730 | 1637 | 0610 | 1756 |
| 8        | 0732 | 1635 | 0612 | 1755 |
| 9        | 0734 | 1633 | 0613 | 1753 |
| 10       | 0736 | 1631 | 0615 | 1752 |
| 11       | 0738 | 1630 | 0617 | 1751 |
| 12       | 0740 | 1628 | 0618 | 1749 |
| 13       | 0742 | 1626 | 0620 | 1748 |
| 14       | 0743 | 1625 | 0622 | 1746 |
| 15       | 0745 | 1623 | 0623 | 1745 |
| 16       | 0747 | 1622 | 0625 | 1744 |
| 17       | 0749 | 1620 | 0626 | 1743 |
| 18       | 0751 | 1619 | 0628 | 1742 |
| 19       | 0753 | 1617 | 0630 | 1741 |
| 20       | 0755 | 1616 | 0631 | 1739 |
| 21       | 0756 | 1615 | 0633 | 1738 |
| 22       | 0758 | 1614 | 0634 | 1737 |
| 23       | 0800 | 1612 | 0636 | 1737 |
| 24       | 0802 | 1611 | 0637 | 1736 |
| 25       | 0803 | 1610 | 0638 | 1735 |
| 26       | 0805 | 1609 | 0640 | 1734 |
| 27       | 0807 | 1608 | 0641 | 1733 |
| 28       | 0808 | 1607 | 0643 | 1733 |
| 29       | 0810 | 1606 | 0644 | 1732 |
| 30       | 0811 | 1605 | 0645 | 1731 |

| DECEMBER |      |      |      |      |
|----------|------|------|------|------|
| DAY      | SR   | SS   | BMNT | EENT |
| 1        | 0813 | 1605 | 0647 | 1731 |
| 2        | 0814 | 1604 | 0648 | 1730 |
| 3        | 0816 | 1603 | 0649 | 1730 |
| 4        | 0817 | 1602 | 0650 | 1729 |
| 5        | 0819 | 1602 | 0652 | 1729 |
| 6        | 0820 | 1601 | 0653 | 1729 |
| 7        | 0821 | 1601 | 0654 | 1729 |
| 8        | 0823 | 1601 | 0655 | 1728 |
| 9        | 0824 | 1600 | 0656 | 1728 |
| 10       | 0825 | 1600 | 0657 | 1728 |
| 11       | 0826 | 1600 | 0658 | 1728 |
| 12       | 0827 | 1600 | 0659 | 1728 |
| 13       | 0828 | 1600 | 0700 | 1728 |
| 14       | 0829 | 1600 | 0701 | 1728 |
| 15       | 0830 | 1600 | 0701 | 1728 |
| 16       | 0831 | 1600 | 0702 | 1729 |
| 17       | 0832 | 1600 | 0703 | 1729 |
| 18       | 0833 | 1600 | 0704 | 1729 |
| 19       | 0833 | 1600 | 0704 | 1730 |
| 20       | 0834 | 1601 | 0705 | 1730 |
| 21       | 0835 | 1601 | 0706 | 1730 |
| 22       | 0835 | 1602 | 0706 | 1731 |
| 23       | 0836 | 1602 | 0707 | 1731 |
| 24       | 0836 | 1603 | 0707 | 1732 |
| 25       | 0836 | 1604 | 0707 | 1733 |
| 26       | 0837 | 1604 | 0708 | 1733 |
| 27       | 0837 | 1605 | 0708 | 1734 |
| 28       | 0837 | 1606 | 0708 | 1735 |
| 29       | 0837 | 1607 | 0708 | 1736 |
| 30       | 0837 | 1608 | 0709 | 1736 |
| 31       | 0837 | 1609 | 0709 | 1737 |

**CLIMATOLOGY TABLES FOR NORTHAG FORWARD AREAS**

THESE TABLES WERE PRODUCED BY OPERATING LOCATION A OF THE UNITED STATES AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER. THE VALUES CONTAINED IN THESE TABLES ARE BASED ON THE MOST CURRENT DATA AVAILABLE AND ARE INTENDED FOR USE ONLY IN THE NORTHAG FORWARD AREAS. ANY COMMENTS OR SUGGESTIONS CONCERNING THESE TABLES SHOULD BE FORWARDED TO OL-A, USAFETAC, FEDERAL BLDG. RM 305, ASHEVILLE, NORTH CAROLINA 28801.

14 AUG 1981

**DATE**  
**LMED**