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**MONTHLY**

**CLIMATIC**

**DATA**

**FOR THE WORLD**

**PREPARED IN COOPERATION WITH THE  
WORLD METEOROLOGICAL ORGANIZATION**

**"I certify that this is an official publication of the National Oceanic and Atmospheric Administration and is compiled from information received at the National Climatic Data Center, Asheville, North Carolina 28801."**

A handwritten signature in black ink, reading "Thomas R. Karl".

**Director  
National Climatic Data Center**

**noaa**

**National  
Oceanic and  
Atmospheric Administration**

**National  
Environmental Satellite, Data  
and Information Service**

**National  
Climatic Data Center  
Asheville, North Carolina**

# PREFACE

Monthly Climatic Data for the World (MCDW) is a publication of monthly summary climatic data from around the world. Data are prepared by Members of the World Meteorological Organization (WMO) for selected stations and exchanged monthly via international telecommunications under provisions of the WMO Technical Regulations, WMO Publications No. 306 (Manual on Codes) and No. 386 (Manual on the Global Telecommunications System). National Center for Environmental Prediction (NCEP) and the Hadley Centre for Prediction and Research Meteorological Office, Bracknell, United Kingdom prepares and relays data to National Climatic Data Center for quality control, publication, and archive. Data used in MCDW are translated from CLIMAT, CLIMAT SHIP, CLIMAT TEMP and CLIMAT TEMP SHIP codes. WMO No. 9 (Weather Reporting), Vol. A - Stations indicates stations that report in these codes. MCDW is sponsored by the WMO in accordance with Resolution 27 of the Second World Meteorological Congress, 1955. Percent of average sunshine was authorized during the Fourth Session [Stockholm 1965] of the WMO Commission for Climatology and recorded in the General Summary of the Report - WMO NO.177.RP.65. It is published by the United States National Oceanic and Atmospheric Administration. Bolded stations are stations that participate in the GCOS Program.

## REFERENCE NOTES

Names of countries (areas) and stations are those used in WMO Publication No. 9, Vol. A - Stations, except that long names may be shortened. Only those stations authorized as contributors by the WMO in VOLUME A are published. "Means" and "totals" mentioned below are monthly summary means and totals. Units abbreviations: celsius = C, degrees = °, geopotential meters = gpm, meters = m, hectopascals = hPa, millimeters = mm, minutes = ', percent = %.

The long term surface data AVERAGES required for these tables were calculated for 1961 - 1990 from data received at the National Climatic Data Center during those years. Six years of data were considered to be the minimum for calculations.

Departures are differences between data and the AVERAGES for that month. Precipitation departure of "T" or "-T" indicates a difference less than 0.5 mm from AVERAGE.

Provisional upper air normals, although not published in this bulletin, can be obtained from WMO Pub. No. 170. A description of procedures used by Members appeared in Monthly Climatic Data for the World, 1967 Supplement -- computation of CLIMAT TEMP values.

Late reports and corrections are published when received, except that data more than five years old are not published. The Corrections sections include corrections to past data. In these, "D" indicates the data should be deleted. Some late reports of pre-1987 data appeared in the Corrections sections during the 1987 Data Year.

The data received by the publisher often contain errors. A reasonable effort is made to correct errors; but some may appear in the publication, especially if the errors are subtle or were part of a large group of errors.

The station list appears at the back of the publication. In January and July, all CLIMAT (C) and CLIMAT TEMP (T) stations from WMO Pub. No. 9, Vol. A are listed. This is the complete published station set. In other months, the list contains only those stations from which data no more than two months old have been recently received.

Included in this publication, on an interim basis, are a group of Antarctic and USA stations that are not in WMO No. 9. These stations will be sponsored as CLIMAT and/or CLIMAT TEMP stations in the near future.

## SURFACE DATA TABLES

**DAYS OBS.:** The number of days on which observations were taken. Column will be blank if days are not reported.

**PRESSURE:** Mean station pressure at station level and sea level in tenths of hPa. In the sea level pressure column, Y or Z indicates the number is the mean height in gpm of the 850 hPa or 700 hPa pressure surface, respectively.

**TEMPERATURE:** Mean temperature and departure from AVERAGE value in degrees C. "S" indicates sea surface temperature.

**DAYS 1 MM:** The number of days on which precipitation was 1 mm or more.

**PRECIPITATION:** Total precipitation and departure from AVERAGE in mm. "T" indicates an amount less than 0.5 mm.

**QUINTILE:** Frequency group of precipitation totals. Group numbers are 0 - 6. Groups 0 and 6 are for totals less than and greater than any recorded in the 1961 - 1990 reference period.

**% OF AV.:** Sunshine total hours expressed as a percentage of long-term average. Currently, average period is 1961-90.

In January 1987, the "Sunshine" column was changed to include both total sunshine in hours and the percentage of long-term average.

## UPPER AIR DATA TABLES

**HEIGHT:** Mean height of pressure surfaces in gpm. Asterisk (\*) indicates station elevation.

**VECTOR WIND:** Direction of mean vector wind in degrees, speed in mps. A wind speed value of 0 is a speed < 0.5 mps. When missing days equals 9, nine or more days of wind data are missing.

**STEADINESS:** Ratio of mean vector wind speed to mean scalar wind speed.

**OB:** Observation time code; 1 = 0000 GMT, 2 = 1200 GMT, 3 = 0000 and 1200 GMT, / = other hours.

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# SURFACE

# MAY 2006

| STATION                    | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|----------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                            |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>EUROPE</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>NORWAY</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 01001 JAN MAYEN            | 7056N    | 00840W    | 10        |           | 1015.4       | 1016.6         | .8          | 1.5    | 5.5            | .4     | 10            | 55    | 15     | 4        |          |          |
| 01008 SVALBARD LUFTHAVN    | 7815N    | 01528E    | 29        |           | 1013.5       | 1016.8         | .9          | 5.3    | 4.6            | 1.0    | 2             | 4     | -3     | 2        |          |          |
| 01025 TROMSO/LANGNES       | 6941N    | 01855E    | 10        |           | 1012.9       | 1014.0         | 7.0         | 1.9    | 6.6            | .5     | 7             | 27    | -19    | 2        |          |          |
| 01026 TROMSO               | 6939N    | 01856E    | 115       |           | 999.7        | 1013.7         | 7.4         |        | 6.5            |        | 8             | 35    |        | 3        | 256      | 117      |
| 01028 BJORNOYA             | 7431N    | 01901E    | 16        |           | 1014.6       | 1016.6         | 1.8         | 3.2    | 5.7            | .6     | 2             | 6     | -12    | 1        |          |          |
| 01098 VARDØ                | 7022N    | 03106E    | 15        |           | 1014.4       | 1015.7         | 4.7         | 2.2    | 6.4            | .2     | 4             | 18    | -12    | 2        |          |          |
| 01152 BODO VI              | 6716N    | 01422E    | 13        |           | 1011.6       | 1013.2         | 8.8         | 1.6    | 7.4            | .2     | 6             | 21    | -25    | 2        |          |          |
| 01212 ONA II               | 6252N    | 00632E    | 15        |           | 1011.4       | 1013.0         | 9.0         |        | 8.4            |        | 9             | 34    |        | 2        |          |          |
| 01238 FOKSTUA II           | 6207N    | 00917E    | 974       |           | 900.1        | 1013.2         | 3.4         |        | 5.3            |        | 7             | 37    |        | 5        |          |          |
| 01241 ORLAND III           | 6342N    | 00936E    | 7         |           | 1011.8       | 1012.9         | 9.8         | 1.1    | 8.0            | -.5    | 7             | 58    | 8      | 4        |          |          |
| 01317 BERGEN/FLORIDA       | 6023N    | 00520E    | 36        |           | 1007.6       | 1011.9         | 11.2        | .7     | 8.1            | -.7    | 13            | 70    | -36    | 2        |          |          |
| 01384 OSLO/GARDERMOEN      | 6012N    | 01105E    | 204       |           | 987.8        | 1012.3         | 10.1        | .7     | 7.7            | .2     | 12            | 96    | 35     | 5        |          |          |
| 01403 UTSIRA FYR           | 5918N    | 00453E    | 56        |           | 1005.4       | 1012.1         | 9.7         |        | 8.8            |        | 11            | 57    |        | 3        |          |          |
| 01415 STAVANGER/SOLA       | 5853N    | 00538E    | 9         |           | 1011.1       | 1012.2         | 10.8        | .9     | 8.4            | -.7    | 11            | 46    | -22    | 2        |          |          |
| 01465 TORUNGEN FYR         | 5824N    | 00848E    | 15        |           | 1011.2       | 1012.6         | 10.5        |        | 9.6            |        | 10            | 66    |        | 4        |          |          |
| <b>SWEDEN</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 02080 KARESUANDO           | 6827N    | 02227E    | 331       |           | 973.8        | 1013.8         | 5.8         | 2.4    | 6.5            | .6     | 8             | 43    | 15     | 5        | 210      | 91       |
| 02120 KVIKKJOKK-ARRENJARKA | 6653N    | 01801E    | 320       |           | 975.3        | 1013.4         | 6.1         |        | 6.6            |        | 11            | 75    |        | 5        |          |          |
| 02128 GUNNARN              | 6500N    | 01742E    | 283       |           | 979.4        | 1013.5         | 7.8         | .8     | 7.4            | 1.0    | 14            | 60    | 21     | 5        |          |          |
| 02196 HAPARANDA            | 6550N    | 02409E    | 6         |           | 1012.4       | 1013.1         | 7.6         | 1.5    | 7.4            | .7     | 10            | 41    | 9      | 4        | 277      | 103      |
| 02226 OSTERSUND FROSON     | 6312N    | 01430E    | 376       |           | 967.9        | 1012.5         | 8.1         | .9     | 7.1            | .4     | 7             | 66    | 31     | 5        | 235      | 101      |
| 02288 HOLMOGADD            | 6336N    | 02045E    | 6         |           | 1011.9       | 1012.8         | 6.6         |        | 8.2            |        | 9             | 32    |        | 3        | 219      | 80       |
| 02366 TIMRA/MIDLANDA       | 6231N    | 01727E    | 8         |           | 1012.4       | 1013.0         | 8.1         | .3     | 8.4            | 1.2    | 12            | 44    | 6      | 4        |          |          |
| 02410 MALUNG               | 6041N    | 01342E    | 308       |           | 976.4        | 1013.3         | 8.4         |        | 7.8            |        | 14            | 58    |        | 4        |          |          |
| 02418 KARLSTAD FLYGPLATS   | 5927N    | 01320E    | 107       |           | 999.4        | 1012.3         | 11.2        | 1.3    | 8.4            | -.1    | 12            | 98    | 56     | 5        | 237      | 96       |
| 02485 STOCKHOLM            | 5921N    | 01804E    | 52        |           | 1006.6       | 1012.9         | 11.4        | .7     | 8.5            | .0     | 8             | 42    | 12     | 4        | 254      | 92       |
| 02512 GÖTEBORG/SAVE        | 5747N    | 01153E    | 20        |           | 1010.8       | 1013.0         | 11.4        | .5     | 10.7           | 1.4    | 11            | 63    | 12     | 4        | 221      | 92       |
| 02550 JONKÖPING/AXAMO      | 5745N    | 01405E    | 224       |           | 985.8        | 1012.9         | 9.7         | .1     | 8.5            | .4     | 11            | 55    | 9      | 4        |          |          |
| 02584 GÖTSCHA SANDON       | 5824N    | 01912E    | 12        |           | 1012.1       | 1013.5         | 8.8         |        | 9.0            |        | 3             | 7     |        | 1        |          |          |
| 02590 VISBY                | 5740N    | 01821E    | 51        |           | 1007.1       | 1013.2         | 10.5        | .9     | 9.0            | .1     | 9             | 41    | 12     | 4        | 300      | 105      |
| <b>FINLAND</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 02801 KILPISJARVI          | 6903N    | 02047E    | 478       |           | 955.5        | 1014.9         | 3.9         |        | 5.9            |        | 10            | 35    |        | 5        |          |          |
| 02805 KEVO                 | 6945N    | 02702E    | 107       |           | 1002.4       | 1015.0         | 5.6         |        | 6.0            |        | 3             | 25    |        | 4        | 240      | 115      |
| 02836 SODANKYLA            | 6722N    | 02639E    | 179       |           | 991.3        | 1013.8         | 6.5         | 1.5    | 6.2            |        | 7             | 24    | -11    | 2        | 216      | 88       |
| 02869 KUUSAMO              | 6558N    | 02911E    | 263       |           | 980.7        | 1013.8         | 6.4         | 1.4    | 6.8            |        | 12            | 77    | 33     | 5        |          |          |
| 02875 OULU                 | 6456N    | 02522E    | 15        |           | 1011.7       | 1013.6         | 9.0         | 1.5    | 7.4            |        | 10            | 83    | 53     | 5        |          |          |

# SURFACE

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| STATION                           | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 02897 KAJAANI                     | 6417N    | 02741E    | 143       |           | 996.3        | 1013.1         | 9.0         | 1.5    | 7.6            |        | 11            | 73    | 35     | 5        |          |          |
| 02929 JOENSUU                     | 6240N    | 02938E    | 119       |           | 998.6        | 1013.6         | 9.6         | 1.3    | 7.3            |        | 8             | 45    | 9      | 4        |          |          |
| <b>02935 JYVASKYLA</b>            | 6224N    | 02541E    | 145       |           | 995.5        | 1013.0         | 9.3         | .6     | 7.4            |        | 8             | 34    | -7     | 2        | 270      | 108      |
| 02942 NIINISALO                   | 6151N    | 02228E    | 136       |           | 997.3        | 1013.0         | 9.9         | .9     | 8.1            |        | 9             | 79    | 42     | 5        |          |          |
| <b>02963 JOKIOINEN</b>            | 6049N    | 02330E    | 104       |           | 1000.2       | 1013.2         | 10.1        | .7     | 7.7            |        | 7             | 55    | 20     | 5        | 261      | 104      |
| 02972 TURKU                       | 6031N    | 02216E    | 59        |           | 1005.9       | 1013.2         | 10.4        | .6     | 7.7            |        | 10            | 41    | 6      | 4        |          |          |
| 02974 HELSINKI-VANTAA             | 6019N    | 02458E    | 56        |           | 1006.5       | 1013.6         | 10.7        | .8     | 7.9            |        | 6             | 42    | 7      | 4        | 298      | 108      |
| <b>UNITED KINGDOM</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>03005 LERWICK</b>              | 6008N    | 00111W    | 84        |           | 991.4        | 1010.7         | 7.8         | .2     | 8.3            |        | 13            | 54    | -8     | 3        | 253      | 172      |
| <b>03026 STORNOWAY AIRPORT</b>    | 5813N    | 00619W    | 15        |           | 1006.7       | 1008.5         | 9.2         | .2     | 9.3            |        | 19            | 85    | 24     | 5        | 171      | 93       |
| 03066 KINLOSS                     | 5739N    | 00334W    | 7         |           | 1009.5       | 1010.1         | 10.1        | .4     | 8.5            |        | 12            | 58    | 12     | 5        | 176      | 105      |
| 03091 DYCE                        | 5712N    | 00213W    | 69        |           | 995.2        | 1010.7         | 9.1         | .1     | 8.7            |        | 12            | 31    | -28    | 1        | 153      | 87       |
| 03100 TIREE                       | 5630N    | 00653W    | 12        |           | 1007.2       | 1008.3         | 10.0        | .4     | 9.9            |        | 16            | 99    | 40     | 5        | 238      | 112      |
| <b>03162 ESKDALEMUIR</b>          | 5519N    | 00312W    | 242       |           |              | 1011.1         | 9.3         | .6     | 9.0            |        | 19            | 114   | 19     | 4        | 138      | 86       |
| 03257 LEEMING                     | 5418N    | 00132W    | 40        |           | 1003.5       | 1011.4         | 11.1        | .5     | 10.0           |        | 15            | 99    | 50     | 5        | 174      | 98       |
| <b>03302 VALLEY</b>               | 5315N    | 00432W    | 11        |           | 1009.3       | 1010.5         | 11.5        | .5     | 11.5           |        | 15            | 110   | 61     | 5        | 164      | 74       |
| <b>03377 WADDINGTON</b>           | 5310N    | 00031W    | 70        |           | 995.6        | 1011.8         | 12.3        | 1.5    | 10.6           |        | 14            | 86    | 36     | 5        | 187      | 94       |
| 03502 ABERPORTH                   | 5208N    | 00434W    | 134       |           | 980.7        | 1011.9         | 11.0        | .6     | 10.9           |        | 18            | 119   | 70     | 6        | 159      | 78       |
| 03740 LYNEHAM                     | 5130N    | 00159W    | 147       |           | 978.9        | 1013.0         | 12.2        | 1.3    | 10.9           |        | 14            | 122   | 66     | 5        | 181      | 94       |
| 03797 MANSTON                     | 5121N    | 00120E    | 54        |           | 1002.1       | 1013.4         | 12.8        | 1.3    | 11.9           |        | 14            | 87    | 49     | 5        | 143      | 66       |
| <b>03808 CAMBORNE</b>             | 5013N    | 00519W    | 88        |           | 993.3        | 1013.8         | 11.5        |        | 11.7           |        | 14            | 85    |        | 4        | 182      | 85       |
| 03862 HURN                        | 5047N    | 00150W    | 11        |           | 1011.7       | 1012.9         | 12.4        | 1.1    | 11.4           |        | 8             | 75    | 20     | 4        | 163      | 78       |
| 03917 ALDERGROVE                  | 5439N    | 00613W    | 81        |           | 996.4        | 1010.7         | 10.9        | .7     | 10.0           |        | 17            | 79    | 19     | 4        | 179      | 98       |
| <b>IRELAND</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>03953 VALENTIA OBSERVATORY</b> | 5156N    | 01015W    | 30        |           | 1007.8       | 1011.4         | 11.0        | -.1    | 11.2           | .5     | 23            | 208   | 120    | 6        | 154      | 85       |
| 03955 CORK AIRPORT                | 5151N    | 00829W    | 162       |           | 992.2        | 1011.7         | 10.5        | .5     | 10.9           | .8     | 17            | 135   | 51     | 5        | 155      |          |
| 03957 ROSSLARE                    | 5215N    | 00620W    | 25        |           | 1009.0       | 1012.1         | 11.4        | .9     | 11.5           | .9     | 17            | 108   | 53     | 5        | 179      | 80       |
| 03962 SHANNON AIRPORT             | 5242N    | 00855W    | 20        |           | 1008.1       | 1010.4         | 11.5        | .3     | 10.6           | .3     | 18            | 126   | 66     | 5        | 145      | 80       |
| 03969 DUBLIN AIRPORT              | 5326N    | 00615W    | 85        |           | 1001.2       | 1011.5         | 10.9        | .5     | 10.4           | .5     | 15            | 117   | 62     | 5        | 197      | 105      |
| 03976 BELMULLET                   | 5414N    | 01000W    | 10        |           | 1009.0       | 1010.1         | 11.3        | .8     | 11.0           | .7     | 18            | 124   | 56     | 5        | 196      | 100      |
| <b>03980 MALIN HEAD</b>           | 5522N    | 00720W    | 25        |           | 1007.2       | 1010.2         | 10.6        | .7     | 10.2           | .4     | 13            | 74    | 15     | 4        | 232      | 120      |
| <b>ICELAND</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 04018 KEFLAVIKURFLUGVOLLUR        | 6358N    | 02236W    | 54        |           | 1007.7       | 1013.8         | 6.3         |        | 6.8            |        | 9             | 39    |        | 0        |          |          |
| 04030 REYKJAVIK                   | 6408N    | 02156W    | 61        |           | 1006.1       | 1013.6         | 6.4         | .1     | 6.7            | -.6    | 8             | 33    | -10    | 0        | 272      | 142      |
| 04063 AKUREYRI                    | 6541N    | 01805W    | 27        |           | 1011.9       | 1015.3         | 4.5         | -1.0   | 6.3            | -.6    | 7             | 39    | 20     | 2        | 188      | 109      |
| 04082 AKURNES                     | 6418N    | 01513W    | 21        |           | 1011.3       | 1013.9         | 5.8         |        | 7.0            |        | 7             | 88    |        | 6        |          |          |
| <b>GREENLAND</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 04220 AASIAAT (EGEDESMINDE)       | 6842N    | 05251W    | 43        |           |              | 1017.6         | .5          | 2.3    | 5.3            |        | 5             | 17    | 0      |          |          |          |
| <b>04250 NUK (GODTHAAB)</b>       | 6410N    | 05145W    | 84        |           |              | 1016.8         | 2.1         | 1.5    | 5.9            |        |               |       |        |          |          |          |

# SURFACE

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| STATION                                  | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |     |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|-----|
|  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |     |
| 04312 STATION NORD AWS                   | 8136N    | 01641W    | 36        |           |              | 1021.1         | -7.3        | 2.7    |                | 2.8    |               |       |        |          |          |          |     |
| <b>04320 DANMARKSHAVN</b>                | 7646N    | 01840W    | 12        |           |              | 1021.2         | -4.8        | 1.8    |                | 2.9    |               | 2     | 7      | 2        |          |          |     |
| 04339 ITTOQQORTOORMIIT (SCORESBYSU)      | 7029N    | 02157W    | 69        |           |              | 1019.5         | -1.4        |        |                | 4.3    |               | 4     | 31     | 18       |          |          |     |
| <b>04360 TASILAQ (AMMASSALIK)</b>        | 6536N    | 03738W    | 52        |           |              | 1018.4         | .6          | .0     |                | 5.0    |               | 3     | 20     | -43      |          |          |     |
| 04390 PRINS CHRISTIAN SUND               | 6003N    | 04310W    | 88        |           |              | 1016.2         | 2.5         | .7     |                | 5.7    |               | 11    | 195    | 18       |          |          |     |
| <b>DENMARK AND FAROE ISLANDS</b>         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |
| <b>06011 TORSHAVN</b>                    | 6201N    | 00646W    | 61        |           |              | 1012.1         | 6.2         | -.7    |                | 7.3    |               | 10    | 31     | -41      |          |          |     |
| 06030 AALBORG                            | 5706N    | 00951E    | 13        |           |              | 1012.9         | 11.9        | 1.2    |                | 10.1   |               | 9     | 75     |          |          |          |     |
| <b>06186 KOEBENHAVN/LANDBOHOEJSKOLEN</b> | 5541N    | 01233E    | 7         |           |              | 1013.7         | 12.3        |        |                | 9.4    |               | 9     | 51     |          |          |          |     |
| 06190 ROENNE                             | 5504N    | 01445E    | 17        |           |              | 1014.5         | 10.9        | .1     |                | 10.5   |               |       |        |          |          |          |     |
| <b>NETHERLANDS</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |
| 06235 DE KOOY                            | 5256N    | 00447E    | 2         |           |              | 1013.2         | 1013.3      | 13.5   | 2.2            | 11.4   | .5            | 10    | 42     | -1       | 3        | 231      | 104 |
| <b>06260 DE BILT</b>                     | 5206N    | 00511E    | 4         |           |              | 1013.3         | 1013.6      | 14.5   | 2.2            | 11.4   | .7            | 15    | 90     | 30       | 4        | 196      | 99  |
| 06280 EELDE/GRONINGEN AP EELDE           | 5307N    | 00635E    | 4         |           |              | 1013.0         | 1013.5      | 13.5   | 1.9            | 10.7   | -.1           | 11    | 77     | 20       | 4        | 207      | 106 |
| 06310 VLISSINGEN                         | 5127N    | 00336E    | 10        |           |              | 1012.9         | 1013.9      | 13.3   | 1.3            | 12.4   | 1.5           | 15    | 103    | 55       | 6        | 192      | 96  |
| <b>LUXEMBOURG</b>                        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |
| 06590 LUXEMBOURG/LUXEMBOURG              | 4937N    | 00613E    | 376       |           |              | 971.2          | 1015.5      | 13.4   |                | 11.0   |               | 19    | 143    | 62       | 5        | 173      | 84  |
| <b>SWITZERLAND &amp; LIECHTENSTEIN</b>   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |
| 06660 ZUERICH-METEOSCHWEIZ               | 4723N    | 00834E    | 569       |           |              | 951.2          | 1017.3      | 13.3   | 1.1            | 10.9   | .6            | 16    | 74     | -31      | 1        | 153      | 92  |
| <b>06680 SAENTIS</b>                     | 4715N    | 00921E    | 2502      |           |              | 752.4          | 3066 Z      | .2     | .7             | 5.5    | .7            | 22    | 384    | 149      | 5        | 120      | 78  |
| 06700 GENEVE-COINTRIN                    | 4615N    | 00608E    | 420       |           |              | 969.4          | 1018.1      | 14.5   | 1.7            | 11.0   | .7            | 14    | 110    | 38       | 5        | 192      | 107 |
| <b>06717 GRAND ST. BERNARD</b>           | 4552N    | 00710E    | 2479      |           |              | 754.0          | 3083 Z      | 1.2    |                | 5.5    |               | 16    | 117    |          |          | 108      | 70  |
| 06770 LUGANO                             | 4600N    | 00858E    | 276       |           |              | 984.6          | 1016.9      | 16.7   | 2.0            | 13.3   | 1.6           | 8     | 91     | -110     | 1        | 183      | 101 |
| <b>FRANCE</b>                            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |
| 07005 ABBEVILLE                          | 5008N    | 00150E    | 77        |           |              | 1006.1         | 1015.4      | 12.7   |                | 12.4   |               | 20    | 105    |          |          | 120      | 60  |
| 07015 LILLE                              | 5034N    | 00306E    | 52        |           |              | 1009.1         | 1014.7      | 13.7   |                | 12.2   |               | 17    | 166    |          |          | 124      | 60  |
| 07020 LA HAGUE                           | 4943N    | 00156W    | 12        |           |              | 1014.6         | 1015.5      | 12.0   |                | 12.5   |               | 7     | 40     |          |          |          |     |
| 07027 CAEN                               | 4911N    | 00027W    | 67        |           |              | 1007.9         | 1015.9      | 13.1   | 1.4            | 12.4   |               | 13    | 47     | -11      | 2        | 138      | 68  |
| 07037 ROUEN                              | 4923N    | 00111E    | 156       |           |              | 997.8          | 1015.9      | 13.0   |                | 12.0   |               | 15    | 74     |          |          | 116      | 60  |
| 07070 REIMS                              | 4918N    | 00402E    | 91        |           |              | 1004.9         | 1015.9      | 14.1   |                | 13.0   |               | 14    | 102    |          |          | 121      | 55  |
| 07110 BREST                              | 4827N    | 00425W    | 99        |           |              | 1004.9         | 1016.3      | 12.4   | .9             | 12.2   |               | 11    | 71     | -4       | 3        | 127      | 60  |
| 07117 PLOUMANAC'H PERROS GUIREC          | 4850N    | 00328W    | 58        |           |              | 1009.0         | 1015.9      | 12.6   |                | 12.5   |               | 12    | 50     |          |          |          |     |
| <b>07130 RENNES</b>                      | 4804N    | 00144W    | 43        |           |              | 1011.7         | 1016.8      | 14.0   |                | 12.5   |               | 8     | 29     |          |          | 158      | 80  |
| 07139 ALENCON                            | 4826N    | 00006E    | 144       |           |              | 999.3          | 1016.5      | 13.6   |                | 12.0   |               | 12    | 62     |          |          | 132      | 65  |
| 07149 PARIS-ORLY                         | 4843N    | 00223E    | 90        |           |              | 1005.6         | 1016.3      | 14.7   |                | 12.5   |               | 12    | 60     |          |          |          |     |
| 07168 TROYES                             | 4820N    | 00401E    | 118       |           |              | 1002.8         | 1016.8      | 14.2   |                | 12.7   |               | 14    | 92     |          | 6        | 145      | 65  |
| 07181 NANCY-OCHEY                        | 4835N    | 00558E    | 351       |           |              | 975.5          | 1016.7      | 13.4   |                | 12.0   |               | 18    | 98     |          | 6        |          |     |
| <b>07190 STRASBOURG-ENTZHEIM</b>         | 4833N    | 00738E    | 153       |           |              | 998.3          | 1016.5      | 15.3   | 1.6            | 12.1   |               | 12    | 70     | -4       | 4        | 162      | 82  |

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| STATION                            | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                    |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 07207 POINTE DU TALUT              | 4718N    | 00310W    | 43        |           | 1012.5       | 1017.6         | 13.4        |        | 13.0           |        | 8             | 37    |        |          |          |          |
| 07222 NANTES                       | 4709N    | 00136W    | 27        |           | 1014.3       | 1017.6         | 13.9        | .4     | 12.9           |        | 13            | 92    | 28     | 5        | 147      | 70       |
| 07240 TOURS                        | 4727N    | 00044E    | 112       |           | 1004.0       | 1017.3         | 14.3        |        | 12.4           |        | 9             | 72    |        |          | 165      | 75       |
| 07255 BOURGES                      | 4704N    | 00222E    | 166       |           | 998.0        | 1017.8         | 14.4        | 1.2    | 12.9           |        | 16            | 77    | -3     | 3        | 163      | 82       |
| 07280 DIJON                        | 4716N    | 00505E    | 227       |           | 990.8        | 1017.7         | 14.1        | .5     | 12.6           |        | 12            | 109   | 23     | 5        | 143      | 70       |
| 07299 BALE-MULHOUSE                | 4736N    | 00731E    | 271       |           | 985.1        | 1017.3         | 14.5        |        | 12.3           |        | 12            | 116   |        |          | 161      | 80       |
| 07314 CHASSIRON                    | 4603N    | 00125W    | 22        |           | 1015.8       | 1018.4         | 14.9        |        | 13.4           |        | 9             | 36    |        |          |          |          |
| 07335 POITIERS                     | 4635N    | 00018E    | 120       |           | 1003.7       | 1018.0         | 14.4        |        | 12.4           |        | 9             | 45    |        |          | 181      | 85       |
| 07434 LIMOGES                      | 4552N    | 00111E    | 402       |           | 971.0        | 1018.2         | 13.8        |        | 12.0           |        | 10            | 68    |        |          | 200      | 95       |
| 07460 CLERMONT-FERRAND             | 4547N    | 00310E    | 330       |           | 979.3        | 1018.1         | 14.5        |        | 11.7           |        | 11            | 87    |        |          | 179      | 85       |
| 07471 LE PUY                       | 4505N    | 00346E    | 833       |           | 922.7        |                | 11.4        |        | 9.8            |        | 7             | 55    |        |          | 191      | 95       |
| 07481 LYON-SATOLAS                 | 4544N    | 00505E    | 248       |           | 989.9        | 1018.1         | 16.1        |        | 11.8           |        | 9             | 65    |        |          | 185      | 80       |
| 07510 BORDEAUX MERIGNAC            | 4450N    | 00041W    | 61        |           | 1012.1       | 1018.6         | 16.4        |        | 13.0           |        | 7             | 47    | -30    | 2        | 228      | 100      |
| 07535 GOURDON                      | 4445N    | 00124E    | 261       |           | 987.8        | 1018.6         | 15.3        |        | 12.3           |        | 11            | 72    |        |          | 198      | 90       |
| 07560 MONT AIGOUAL                 | 4407N    | 00335E    | 1567      |           | 844.9        |                | 7.3         |        | 8.1            |        | 7             | 63    |        | 6        |          |          |
| 07577 MONTELMAR                    | 4435N    | 00444E    | 74        |           | 1009.4       | 1018.2         | 16.9        |        | 12.3           |        | 7             | 100   |        |          | 263      | 100      |
| 07591 EMBRUN                       | 4434N    | 00630E    | 876       |           | 916.9        |                | 13.4        |        | 9.2            |        | 9             | 88    |        |          | 232      | 100      |
| 07607 MONT-DE-MARSAN               | 4355N    | 00030W    | 60        |           | 1011.7       | 1018.8         | 16.9        |        | 13.2           |        | 10            | 53    |        |          | 211      | 105      |
| 07621 TARBES-OSSUN                 | 4311N    | 00000W    | 364       |           | 976.0        | 1018.5         | 15.8        |        | 12.2           |        | 11            | 47    |        |          | 235      | 120      |
| 07627 SAINT GIRONS                 | 4300N    | 00106E    | 412       |           | 970.4        | 1018.4         | 15.3        |        | 13.3           |        | 8             | 62    |        |          | 218      | 120      |
| <b>07630 TOULOUSE BLAGNAC</b>      | 4338N    | 00122E    | 154       |           | 1000.0       | 1018.7         | 16.9        |        | 12.7           |        | 9             | 48    | -25    | 2        | 240      | 110      |
| 07643 MONTPELLIER                  | 4335N    | 00358E    | 8         |           | 1017.1       | 1018.1         | 18.2        |        | 12.9           |        | 2             | 12    |        |          | 300      | 110      |
| 07650 MARIGNANE                    | 4327N    | 00514E    | 32        |           | 1013.3       | 1017.1         | 19.1        |        | 11.6           |        | 1             | 8     | -34    | 1        | 316      | 105      |
| 07661 CAP CEPET                    | 4305N    | 00556E    | 136       |           | 1000.7       | 1016.6         | 18.0        |        | 12.3           |        | 1             | 6     |        |          |          |          |
| 07690 NICE                         | 4339N    | 00712E    | 27        |           | 1012.9       | 1016.2         | 17.8        |        | 14.4           |        | 3             | 23    | -25    | 2        | 293      | 110      |
| 07747 PERPIGNAN                    | 4244N    | 00252E    | 47        |           | 1012.6       | 1018.1         | 18.4        |        | 12.8           |        | 2             | 8     | -42    | 1        | 259      | 110      |
| 07761 AJACCIO                      | 4155N    | 00848E    | 9         |           | 1015.8       | 1016.9         | 17.6        |        | 13.9           |        | 2             | 5     | -35    | 1        | 327      | 110      |
| 07790 BASTIA                       | 4233N    | 00929E    | 12        |           | 1015.0       | 1016.4         | 17.7        |        | 15.1           |        | 3             | 43    |        |          | 290      | 105      |
| <b>SPAIN</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 08001 LA CORUNA                    | 4322N    | 00825W    | 67        |           | 1009.9       | 1017.9         | 16.2        | 2.1    | 13.1           | .4     | 6             | 36    | -42    | 1        | 248      | 125      |
| 08015 OVIEDO                       | 4321N    | 00552W    | 339       |           | 977.9        | 1017.5         | 15.1        | 2.3    | 13.3           | 1.6    | 4             | 26    | -74    | 0        | 203      | 135      |
| 08023 SANTANDER                    | 4329N    | 00348W    | 59        |           | 1012.0       | 1019.1         | 15.7        | 1.4    | 14.1           | 1.6    | 8             | 44    | -48    | 1        | 214      | 121      |
| 08025 BILBAO/SONDICA               | 4318N    | 00254W    | 42        |           | 1014.4       | 1019.0         | 16.9        |        | 12.9           |        | 6             | 56    |        | 2        | 182      | 115      |
| <b>08027 SAN SEBASTIAN/IGUELDO</b> | 4318N    | 00202W    | 259       |           | 988.0        | 1018.5         | 15.4        | 1.9    | 13.5           | 1.1    | 10            | 62    | -66    | 1        | 202      | 121      |
| 08045 VIGO/PEINADOR                | 4214N    | 00838W    | 256       |           | 987.7        | 1018.0         | 15.4        | 1.6    | 12.2           | -1.1   | 7             | 33    | -104   | 1        | 303      | 138      |
| 08048 ORENSE                       | 4220N    | 00752W    | 147       |           | 999.4        | 1016.6         | 18.2        |        | 12.7           |        | 3             | 15    |        | 1        | 266      | 135      |
| 08053 PONFERRADA                   | 4234N    | 00636W    | 550       |           | 954.2        | 1017.0         | 16.7        |        | 12.2           |        | 6             | 33    |        | 2        | 290      | 125      |
| 08055 LEON/VIRGEN DEL CAMINO       | 4235N    | 00539W    | 916       |           | 913.1        | 1015.4         | 14.7        |        | 9.8            |        | 3             | 28    |        | 2        | 322      | 120      |
| 08075 BURGOS/VILLAFRIA             | 4221N    | 00338W    | 890       |           | 916.8        | 1529 Y         | 14.8        | 3.7    | 10.6           | .8     | 3             | 33    | -32    | 1        | 290      | 128      |
| 08084 LOGRONO/AGONCILLO            | 4227N    | 00220W    | 363       |           | 975.6        | 1017.5         | 17.4        | 2.7    | 12.6           | 2.2    | 4             | 24    | -22    | 1        | 275      | 123      |
| 08085 PAMPLONA/NOAIN               | 4246N    | 00138W    | 459       |           | 965.6        | 1017.9         | 16.2        |        | 11.9           |        | 6             | 34    |        | 1        | 275      | 135      |
| 08130 ZAMORA                       | 4131N    | 00544W    | 667       |           | 940.4        | 1015.9         | 17.1        |        | 10.2           |        | 2             | 20    |        | 2        | 311      | 110      |
| 08141 VALLADOLID                   | 4139N    | 00446W    | 735       |           | 932.3        | 1015.0         | 17.0        | 3.5    | 10.4           | 1.4    | 1             | 10    | -36    | 1        | 325      | 120      |
| 08148 SORIA                        | 4146N    | 00228W    | 1082      |           | 895.0        | 1014.8         | 14.8        |        | 9.7            |        | 4             | 53    |        | 3        | 280      | 110      |
| 08160 ZARAGOZA/AEROPUERTO          | 4140N    | 00100W    | 263       |           | 986.6        | 1016.2         | 20.5        | 3.7    | 11.7           | .8     | 2             | 6     | -32    | 1        | 310      | 112      |

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| STATION                            | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                    |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 08171 LERIDA                       | 4138N    | 00036E    | 199       |           | 994.3        | 1017.2         | 20.1        |        | 12.0           |        | 1             | 4     |        |          | 305      | 105      |
| 08175 REUS/AEROPUERTO              | 4109N    | 00110E    | 76        |           | 1008.6       | 1017.5         | 18.5        |        | 13.2           |        | 3             | 11    |        | 1        | 260      | 100      |
| <b>08181 BARCELONA/AEROPUERTO</b>  | 4117N    | 00204E    | 6         |           | 1017.2       | 1017.8         | 19.3        | 3.4    | 15.0           | .9     | 1             | 3     | -53    | 0        | 252      | 102      |
| 08184 GERONA/COSTA BRAVA           | 4154N    | 00246E    | 143       |           | 1002.3       | 1017.3         | 18.1        | 2.5    | 12.7           | -5     | 2             | 8     | -79    | 0        | 247      | 124      |
| <b>08202 SALAMANCA/MATACAN</b>     | 4057N    | 00530W    | 794       |           | 926.5        | 1015.9         | 16.4        | 3.0    | 9.2            | -1.0   | 3             | 12    | -28    | 1        | 309      | 112      |
| <b>08215 NAVACERRADA</b>           | 4047N    | 00401W    | 1894      |           | 813.7        | 1521 Y         | 11.0        |        | 7.8            |        | 5             | 61    |        | 2        | 292      | 135      |
| 08221 MADRID/BARAJAS               | 4030N    | 00335W    | 633       |           | 949.5        | 1014.9         | 19.7        | 4.2    | 9.2            | -1.2   | 3             | 7     | -31    | 1        | 260      | 97       |
| 08231 CUENCA                       | 4004N    | 00208W    | 946       |           | 909.8        | 1527 Y         | 17.8        |        | 9.2            |        | 6             | 36    |        | 2        | 252      | 100      |
| 08235 TERUEL                       | 4021N    | 00107W    | 902       |           | 915.1        | 1530 Y         | 16.6        |        | 10.4           |        | 5             | 29    |        | 2        |          |          |
| 08238 TORTOSA                      | 4049N    | 00030E    | 50        |           | 1010.9       | 1016.7         | 21.0        | 2.7    | 14.4           | .9     | 2             | 7     | -55    | 1        | 267      | 107      |
| 08261 CACERES                      | 3928N    | 00620W    | 405       |           | 971.0        | 1017.1         | 20.2        | 3.1    | 11.4           | .8     | 3             | 11    | -28    | 1        | 341      | 115      |
| 08272 TOLEDO                       | 3953N    | 00403W    | 516       |           | 956.3        | 1014.6         | 20.7        |        | 10.6           |        | 3             | 23    |        | 2        | 303      | 110      |
| <b>08280 ALBACETE/LOS LLANOS</b>   | 3857N    | 00151W    | 704       |           | 937.0        | 1016.1         | 18.8        | 3.6    | 11.1           | 1.1    | 6             | 38    | -2     | 3        | 258      | 95       |
| 08284 VALENCIA/AEROPUERTO          | 3930N    | 00028W    | 69        |           | 1009.9       | 1017.2         | 20.1        | 2.2    | 13.2           | -2     | 6             | 24    | -10    | 3        | 229      | 89       |
| 08286 CASTELLON                    | 3957N    | 00004W    | 35        |           | 1013.3       | 1017.4         | 20.2        |        | 14.6           |        | 6             | 57    |        | 4        | 256      | 95       |
| 08301 PALMA DE MALLORCA            | 3933N    | 00237E    | 6         |           | 1016.2       | 1016.9         | 20.0        |        | 16.2           |        | 3             | 9     |        | 2        | 280      | 100      |
| 08306 PALMA DE MALLORCA/SON SAN JU | 3933N    | 00244E    | 7         |           | 1017.3       | 1017.9         | 18.9        | 2.5    | 14.8           | .5     | 2             | 9     | -20    | 2        | 267      | 94       |
| 08314 MENORCA/MAHON                | 3952N    | 00414E    | 89        |           | 1007.8       | 1017.9         | 18.3        | 1.5    | 14.1           | -2     | 1             | 4     | -33    | 1        | 265      | 99       |
| 08330 BADAJOZ/TALAVERA LA REAL     | 3853N    | 00650W    | 192       |           | 994.3        | 1015.6         | 20.9        | 3.0    | 11.8           | -8     | 0             | T     | -30    | 1        | 326      | 111      |
| 08348 CIUDAD REAL                  | 3859N    | 00355W    | 629       |           | 945.2        | 1015.8         | 20.9        | 4.9    | 11.5           | -1     | 3             | 30    | -7     | 3        | 259      | 91       |
| 08359 ALICANTE                     | 3822N    | 00030W    | 82        |           | 1007.2       | 1016.8         | 20.6        | 2.0    | 17.3           | 3.1    | 5             | 31    | -1     | 3        | 241      | 84       |
| 08360 ALICANTE/EL ALTET            | 3817N    | 00033W    | 43        |           | 1013.1       | 1016.8         | 19.6        |        | 14.4           |        | 4             | 24    |        |          | 223      |          |
| 08373 IBIZA/ES CODOLA              | 3853N    | 00123E    | 17        |           | 1015.4       | 1017.5         | 19.6        | 1.7    | 17.2           | 1.7    | 5             | 25    | 2      | 4        | 240      | 85       |
| 08383 HUELVA                       | 3717N    | 00655W    | 20        |           | 1014.3       | 1016.5         | 21.1        |        | 14.8           |        | 0             | T     |        | 1        | 289      | 90       |
| 08391 SEVILLA/SAN PABLO            | 3725N    | 00554W    | 34        |           | 1011.6       | 1015.2         | 23.5        |        | 14.7           |        | 2             | 16    |        | 3        | 288      | 95       |
| <b>08410 CORDOBA/AEROPUERTO</b>    | 3751N    | 00451W    | 92        |           | 1005.7       | 1016.4         | 22.1        | 2.8    | 15.6           | 2.5    | 2             | 26    | -3     | 3        | 275      | 100      |
| 08417 JAEN                         | 3747N    | 00348W    | 582       |           | 950.4        | 1015.7         | 20.9        |        | 13.7           |        | 4             | 30    |        | 2        |          |          |
| 08419 GRANADA/AEROPUERTO           | 3711N    | 00347W    | 570       |           | 950.3        | 1014.3         | 20.1        |        | 12.1           |        | 4             | 40    |        | 5        | 258      | 85       |
| 08430 MURCIA                       | 3800N    | 00110W    | 62        |           | 1010.1       | 1017.3         | 21.6        |        | 16.1           |        | 5             | 46    |        | 5        | 248      | 90       |
| 08433 MURCIA/SAN JAVIER            | 3747N    | 00048W    | 5         |           | 1016.3       | 1016.7         | 20.0        | 2.6    | 17.2           | 1.8    | 3             | 31    | 6      | 4        | 198      | 79       |
| 08451 JEREZ DE LA FRONTERA AEROPUE | 3645N    | 00604W    | 28        |           | 1012.5       | 1015.7         | 21.1        | 2.7    | 14.3           | .3     | 2             | 8     | -29    | 2        | 287      | 97       |
| 08482 MALAGA/AEROPUERTO            | 3640N    | 00429W    | 16        |           | 1015.4       | 1016.2         | 20.8        | 2.0    | 16.0           | 2.6    | 2             | 11    | -12    | 3        | 247      | 84       |
| 08487 ALMERIA/AEROPUERTO           | 3651N    | 00223W    | 21        |           | 1013.3       | 1015.8         | 20.7        | 1.9    | 15.4           | .4     | 3             | 33    | 22     | 5        | 202      | 67       |
| <b>GIBRALTAR</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 08495 GIBRALTAR                    | 3609N    | 00521W    | 5         |           | 1015.8       | 1016.4         | 19.4        |        |                |        |               | 11    |        | 0        | 232      | 75       |
| <b>PORTUGAL</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 08501 FLORES (ACORES)              | 3927N    | 03108W    | 29        |           | 1014.4       | 1018.1         | 17.9        |        | 15.3           |        | 14            | 123   |        | 4        | 195      | 115      |
| 08509 LAJES (ACORES)               | 3846N    | 02706W    | 54        |           | 986.6        | 1012.9         | 17.1        |        | 15.5           |        | 11            | 45    |        | 3        | 181      | 90       |
| <b>08535 LISBOA/GEOF</b>           | 3843N    | 00909W    | 95        |           | 1005.8       | 1017.0         | 19.6        | 2.2    | 15.7           | 2.4    | 0             | T     | -39    | 1        | 341      | 117      |
| 08546 PORTO/SERRA DO PILAR         | 4108N    | 00836W    | 100       |           | 1006.3       | 1018.1         | 17.4        | 2.3    | 13.5           | .1     | 1             | 12    | -77    | 1        | 336      | 130      |
| 08548 COIMBRA/CERNACHE             | 4009N    | 00828W    | 179       |           | 997.5        | 1017.8         | 17.4        |        | 12.5           |        | 01            | 1     |        |          | 316      |          |
| 08554 FARO/AEROPORTO               | 3701N    | 00758W    | 8         |           | 1015.5       | 1016.4         | 20.1        | 2.6    | 15.0           | .9     | 0             | 0     | -21    | 0        |          |          |
| 08558 EVORA/C. COORD               | 3832N    | 00754W    | 246       |           | 988.1        | 1016.7         | 19.3        |        | 12.4           |        | 0             | 0     |        |          | 209      |          |



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| STATION                          | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 08570 CASTELO BRANCO             | 3950N    | 00729W    | 386       |           | 972.1        | 1016.9         | 19.3        |        | 11.4           |        | 0             | 0     |        |          | 348      |          |
| 08575 BRAGANCA                   | 4148N    | 00644W    | 692       |           | 937.9        | 1017.7         | 16.2        | 2.8    | 9.3            | -7     | 2             | 37    | -16    | 2        | 335      | 128      |
| <b>GERMANY</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 10015 HELGOLAND                  | 5411N    | 00754E    | 8         |           | 1012.5       | 1013.5         | 11.1        |        | 10.7           |        | 9             | 49    |        | 4        | 252      | 105      |
| 10020 LIST/SYLT                  | 5501N    | 00825E    | 29        |           | 1009.8       | 1013.3         | 11.9        |        | 10.3           |        | 14            | 53    |        | 4        | 241      | 95       |
| 10028 ST PETER-ORDING            | 5420N    | 00836E    | 11        |           | 1011.7       | 1013.0         | 12.5        |        | 10.7           |        | 11            | 65    |        |          | 250      | 110      |
| 10035 SCHLESWIG                  | 5432N    | 00933E    | 48        |           | 1008.0       | 1013.8         | 11.8        | .8     | 9.9            | -2     | 13            | 74    | 13     | 4        | 223      | 99       |
| 10055 WESTERMARKELSDORF          | 5432N    | 01104E    | 9         |           | 1012.9       | 1013.9         | 11.3        |        | 11.0           |        | 8             | 51    |        |          | 280      | 115      |
| 10091 ARKONA                     | 5441N    | 01326E    | 42        |           | 1009.3       | 1014.4         | 10.4        |        | 10.3           |        | 11            | 63    |        |          | 279      | 105      |
| 10113 NORDERNEY                  | 5343N    | 00709E    | 16        |           | 1011.6       | 1013.5         | 12.9        |        | 11.1           |        | 11            | 57    |        |          | 246      | 105      |
| 10129 BREMERHAVEN                | 5332N    | 00835E    | 11        |           | 1012.7       | 1014.0         | 14.0        |        | 11.0           |        | 13            | 57    |        |          | 217      | 105      |
| 10131 CUXHAVEN                   | 5352N    | 00842E    | 12        |           | 1012.3       | 1013.8         | 12.8        |        | 11.0           |        | 10            | 61    |        |          | 221      | 95       |
| 10142 ITZEHOE                    | 5359N    | 00934E    | 26        |           | 1010.8       | 1013.8         | 12.5        |        | 10.2           |        | 14            | 97    |        |          | 219      |          |
| <b>10147 HAMBURG-FUHLBUETTEL</b> | 5338N    | 00959E    | 16        |           | 1012.2       | 1014.0         | 13.3        | 1.1    | 10.3           | .0     | 14            | 69    | 12     | 4        | 222      | 103      |
| 10161 BOLTENHAVEN                | 5400N    | 01112E    | 17        |           | 1012.3       | 1014.3         | 11.6        |        | 10.8           |        | 11            | 45    |        |          | 257      | 105      |
| 10162 SCHWERIN                   | 5339N    | 01123E    | 68        |           | 1005.9       | 1014.0         | 13.1        |        | 10.2           |        | 13            | 48    |        | 3        | 245      | 105      |
| 10170 ROSTOCK-WARNEMUENDE        | 5411N    | 01205E    | 10        |           | 1012.4       | 1013.9         | 12.3        | 1.0    | 10.3           | -1     | 11            | 80    | 33     | 5        | 275      | 112      |
| 10184 GREIFSWALD                 | 5406N    | 01324E    | 6         |           | 1013.5       | 1014.2         | 11.9        |        | 10.2           |        | 14            | 64    |        |          | 247      | 95       |
| 10200 EMDEN-FLUGPLATZ            | 5323N    | 00714E    | 5         |           | 1013.1       | 1013.7         | 13.0        |        | 10.9           |        | 11            | 63    |        |          | 200      | 90       |
| 10215 OLDENBURG                  | 5311N    | 00810E    | 20        |           | 1011.8       | 1014.2         | 13.4        |        | 10.1           |        | 11            | 62    |        |          | 211      | 105      |
| 10224 BREMEN                     | 5303N    | 00848E    | 5         |           | 1013.3       | 1013.9         | 13.4        |        | 10.5           |        | 15            | 70    |        | 3        | 214      | 105      |
| 10249 BOIZENBURG                 | 5324N    | 01041E    | 46        |           | 1008.4       | 1013.9         | 13.2        |        | 10.2           |        | 12            | 54    |        |          | 226      | 100      |
| 10261 SEEHAUSEN                  | 5254N    | 01144E    | 23        |           | 1012.0       | 1014.6         | 13.4        |        | 9.9            |        | 10            | 63    |        |          | 241      | 110      |
| 10264 MARNITZ                    | 5319N    | 01156E    | 87        |           | 1003.9       | 1014.4         | 12.8        |        | 10.1           |        | 14            | 66    |        |          | 228      |          |
| 10270 NEURUPPIN                  | 5254N    | 01249E    | 45        |           | 1009.6       | 1015.0         | 13.5        |        | 10.1           |        | 10            | 50    |        | 3        | 242      | 105      |
| 10291 ANGERMUENDE                | 5302N    | 01400E    | 55        |           | 1008.0       | 1014.6         | 13.3        |        | 10.6           |        | 12            | 62    |        |          | 234      | 100      |
| 10305 LINGEN                     | 5231N    | 00718E    | 26        |           | 1011.0       | 1014.1         | 14.4        |        | 10.4           |        | 15            | 81    |        |          | 212      | 110      |
| 10315 MUENSTER/OSNABRUECK        | 5208N    | 00742E    | 53        |           | 1007.7       | 1013.9         | 14.5        |        | 10.3           |        | 14            | 88    |        |          | 209      | 100      |
| 10321 DIEPHOLZ                   | 5235N    | 00821E    | 43        |           | 1009.1       | 1014.3         | 13.8        |        | 10.6           |        | 14            | 76    |        |          | 179      |          |
| 10325 BAD SALZUFLEN              | 5206N    | 00845E    | 139       |           | 997.9        | 1014.5         | 13.6        |        | 10.3           |        | 16            | 103   |        |          | 220      | 110      |
| 10338 HANNOVER                   | 5228N    | 00941E    | 59        |           | 1007.4       | 1014.5         | 13.6        | 1.0    | 10.6           | .0     | 16            | 68    | 6      | 4        | 226      | 100      |
| 10348 BRAUNSCHWEIG               | 5218N    | 01027E    | 88        |           | 1004.5       | 1014.9         | 13.6        |        | 10.4           |        | 11            | 55    |        |          | 221      | 105      |
| 10359 GARDELEGEN                 | 5231N    | 01124E    | 48        |           | 1008.8       | 1014.6         | 13.3        |        | 10.0           |        | 10            | 58    |        |          | 232      | 110      |
| 10361 MAGDEBURG                  | 5206N    | 01135E    | 85        |           | 1004.8       | 1014.4         | 14.1        |        | 10.2           |        | 9             | 60    |        | 5        | 240      | 110      |
| 10379 POTSDAM                    | 5223N    | 01304E    | 100       |           | 1002.9       | 1014.9         | 14.0        | .8     | 10.3           | .0     | 9             | 53    | -3     | 4        | 235      | 104      |
| 10382 BERLIN-TEGEL               | 5234N    | 01319E    | 37        |           | 1010.2       | 1014.6         | 14.7        |        | 10.1           |        | 10            | 57    |        |          | 237      | 105      |
| 10384 BERLIN-TEMPELHOF           | 5228N    | 01324E    | 50        |           | 1009.1       | 1015.0         | 14.4        |        | 10.3           |        | 10            | 61    |        |          | 235      | 100      |
| 10385 BERLIN-SCHOENEFELD         | 5223N    | 01332E    | 48        |           | 1008.9       | 1014.9         | 13.8        |        | 10.2           |        | 11            | 55    |        |          | 245      |          |
| <b>10393 LINDENBERG</b>          | 5213N    | 01407E    | 112       |           | 1002.8       | 1015.3         | 14.2        | 1.1    | 10.1           | -1     | 10            | 46    | -13    | 2        | 248      | 110      |
| 10396 MANSCHNOW                  | 5233N    | 01433E    | 16        |           | 1012.8       | 1014.7         | 13.9        |        | 10.0           |        | 8             | 30    |        |          | 253      |          |
| 10400 DUESSELDORF                | 5118N    | 00646E    | 45        |           | 1009.7       | 1014.5         | 14.7        |        | 11.0           |        | 16            | 125   |        | 5        | 186      | 90       |
| 10410 ESSEN-BREDENEY             | 5124N    | 00658E    | 161       |           | 996.8        | 1014.6         | 14.1        | 1.2    | 10.7           | .3     | 19            | 135   | 62     | 5        | 183      | 95       |
| 10418 LUEDENSCHEID               | 5115N    | 00739E    | 392       |           | 968.8        | 1015.0         | 12.3        |        | 10.1           |        | 18            | 177   |        |          | 169      |          |
| 10427 KAHLER ASTEN               | 5111N    | 00829E    | 859       |           | 916.0        | 1474 Y         | 9.2         |        | 8.6            |        | 17            | 194   |        |          | 167      | 95       |
| 10430 BAD LIPPSPRINGE            | 5147N    | 00850E    | 158       |           | 995.6        | 1014.4         | 13.6        |        | 10.1           |        | 14            | 114   |        |          | 202      | 105      |

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| STATION                       | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                               |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 10444 GOETTINGEN              | 5130N    | 00957E    | 175       |           | 994.8        | 1015.3         | 12.9        |        | 10.2           |        | 11            | 65    |        |          | 210      | 110      |
| 10449 LEINEFELDE              | 5124N    | 01019E    | 356       |           | 973.4        | 1015.5         | 12.3        |        | 9.9            |        | 14            | 105   |        |          | 208      | 105      |
| 10453 BROCKEN                 | 5148N    | 01037E    | 1153      |           | 882.8        | 1463 Y         | 6.6         |        | 7.6            |        | 18            | 170   |        |          | 180      | 100      |
| 10460 ARTERN                  | 5123N    | 01118E    | 166       |           | 995.7        | 1015.5         | 13.6        |        | 10.4           |        | 11            | 51    |        |          | 239      | 120      |
| 10469 LEIPZIG-SCHKEUDITZ      | 5126N    | 01214E    | 141       |           | 999.2        | 1015.4         | 13.7        |        | 10.2           |        | 8             | 41    |        | 3        | 233      | 115      |
| 10480 OSCHATZ                 | 5118N    | 01306E    | 152       |           | 997.6        | 1015.6         | 13.6        |        | 10.0           |        | 11            | 37    |        |          | 233      | 110      |
| 10488 DRESDEN-KLOTZSCHE       | 5108N    | 01345E    | 232       |           | 988.0        | 1015.4         | 13.9        |        | 9.9            |        | 11            | 38    |        |          | 230      | 110      |
| 10496 COTTBUS                 | 5146N    | 01419E    | 70        |           | 1006.8       | 1015.0         | 14.3        |        | 9.6            |        | 9             | 26    |        |          | 246      | 110      |
| 10499 GOERLITZ                | 5110N    | 01457E    | 240       |           | 987.1        | 1015.4         | 13.4        | .8     | 9.4            | -1.1   | 14            | 41    | -25    | 2        | 238      | 112      |
| 10501 AACHEN                  | 5047N    | 00606E    | 205       |           | 989.6        | 1013.8         | 14.2        |        | 11.2           |        | 21            | 140   |        |          | 176      | 90       |
| 10506 NUERBURG-BARWEILER      | 5022N    | 00652E    | 488       |           | 957.8        | 1014.9         | 12.2        |        | 10.0           |        | 16            | 106   |        |          | 180      |          |
| 10513 KOELN/BONN              | 5052N    | 00710E    | 100       |           | 1003.1       | 1015.0         | 14.5        |        | 11.1           |        | 16            | 99    |        |          | 184      | 95       |
| 10526 BAD MARIENBERG          | 5040N    | 00758E    | 555       |           | 950.0        | 1014.7         | 11.5        |        | 9.5            |        | 18            | 168   |        |          | 165      | 85       |
| 10532 GIessen                 | 5035N    | 00842E    | 195       |           | 991.2        | 1015.5         | 13.3        |        | 10.5           |        | 15            | 78    |        |          | 190      | 90       |
| 10542 BAD HERSFELD            | 5051N    | 00944E    | 273       |           | 983.4        | 1015.7         | 12.8        |        | 10.4           |        | 15            | 89    |        |          | 188      | 100      |
| 10544 WASSERKUPPE             | 5030N    | 00957E    | 925       |           | 909.3        | 1482 Y         | 9.4         |        | 8.8            |        | 17            | 205   |        |          | 191      | 95       |
| 10548 MEININGEN               | 5034N    | 01023E    | 453       |           | 962.4        | 1015.6         | 12.5        |        | 9.4            |        | 15            | 98    |        | 5        | 206      | 100      |
| 10554 ERFURT-BINDERSLEBEN     | 5059N    | 01058E    | 322       |           | 977.0        | 1015.0         | 12.9        |        | 10.0           |        | 11            | 65    |        |          | 237      | 115      |
| 10557 NEUHAUS A.R.            | 5030N    | 01108E    | 851       |           | 917.5        | 1481 Y         | 9.6         |        | 8.4            |        | 14            | 159   |        |          | 197      |          |
| 10567 GERA-LEUMNITZ           | 5053N    | 01208E    | 312       |           | 978.6        | 1015.3         | 13.0        |        | 10.2           |        | 15            | 67    |        |          | 233      | 115      |
| 10577 CHEMNITZ                | 5048N    | 01252E    | 420       |           | 966.6        | 1015.6         | 13.0        |        | 9.4            |        | 13            | 67    |        |          | 219      | 115      |
| 10578 FICHELBERG              | 5026N    | 01257E    | 1215      |           | 877.9        | 1480 Y         | 7.0         | .7     | 7.6            | -2     | 15            | 130   | 29     | 4        | 190      | 108      |
| 10582 ZINNWALD-GEORGENFELD    | 5044N    | 01345E    | 882       |           | 914.6        | 1486 Y         | 9.5         |        | 8.3            |        | 13            | 91    |        |          | 196      | 105      |
| 10591 LICHTENHAIN-MITTELNDORF | 5056N    | 01413E    | 352       |           | 976.7        | 1015.1         | 13.1        |        | 9.5            |        | 10            | 55    |        |          | 222      | 110      |
| 10609 TRIER-PETRISBERG        | 4945N    | 00640E    | 273       |           | 983.5        | 1015.8         | 14.0        | 1.4    | 12.3           | 2.0    | 13            | 87    | 19     | 4        | 180      | 89       |
| 10628 GEISENHEIM              | 4959N    | 00757E    | 123       |           | 1001.3       | 1015.9         | 15.1        | 1.2    | 10.7           | .3     | 9             | 57    | 6      | 4        | 194      | 95       |
| 10637 FRANKFURT/M-FLUGHAFEN   | 5003N    | 00836E    | 113       |           | 1002.2       | 1015.6         | 15.0        |        | 10.6           |        | 12            | 101   |        | 5        | 185      | 85       |
| 10648 MICHELSTADT-VIELBRUNN   | 4943N    | 00906E    | 455       |           | 962.5        | 1015.8         | 12.7        |        | 11.0           |        | 12            | 115   |        |          | 192      | 95       |
| 10655 WUERZBURG               | 4946N    | 00958E    | 272       |           | 983.6        | 1015.7         | 14.1        |        | 10.6           |        | 12            | 65    |        |          | 214      | 105      |
| 10658 BAD KISSINGEN           | 5014N    | 01005E    | 282       |           | 982.8        | 1016.1         | 13.0        |        | 10.1           |        | 10            | 95    |        |          | 213      | 110      |
| 10675 BAMBERG                 | 4953N    | 01055E    | 243       |           | 987.3        | 1016.1         | 14.0        |        | 10.7           |        | 12            | 117   |        |          | 228      | 110      |
| 10685 HOF                     | 5019N    | 01153E    | 568       |           | 949.7        | 1015.9         | 11.8        |        | 9.3            |        | 13            | 93    |        | 4        | 228      | 115      |
| 10688 WEIDEN                  | 4940N    | 01211E    | 439       |           | 964.6        | 1015.9         | 12.8        |        | 9.9            |        | 13            | 142   |        |          | 215      | 110      |
| 10708 SAARBRUECKEN/ENSHEIM    | 4913N    | 00707E    | 322       |           | 978.5        | 1016.3         | 13.4        |        | 11.0           |        | 16            | 95    |        |          | 162      | 75       |
| 10724 WEINBIET                | 4923N    | 00807E    | 557       |           | 950.7        | 1015.4         | 12.7        |        | 10.0           |        | 11            | 63    |        |          | 189      | 100      |
| 10727 KARLSRUHE               | 4902N    | 00822E    | 145       |           | 999.0        | 1016.2         | 15.6        | 1.3    | 11.8           | .7     | 9             | 64    | -15    | 3        | 207      | 99       |
| 10729 MANNHEIM                | 4931N    | 00833E    | 100       |           | 1004.1       | 1015.9         | 15.8        |        | 11.3           |        | 12            | 68    |        |          | 196      | 95       |
| 10738 STUTTGART-ECHTERDINGEN  | 4841N    | 00914E    | 396       |           | 970.4        | 1016.3         | 13.9        |        | 10.3           |        | 14            | 101   |        | 4        | 197      | 100      |
| 10742 OEHRINGEN               | 4913N    | 00931E    | 277       |           | 983.7        | 1016.3         | 14.4        |        | 10.7           |        | 12            | 98    |        |          | 211      | 100      |
| 10761 WEISSENBURG             | 4901N    | 01058E    | 424       |           | 967.0        | 1016.5         | 13.8        |        | 9.9            |        | 15            | 105   |        |          | 205      | 100      |
| 10763 NUERNBERG               | 4930N    | 01103E    | 319       |           | 978.4        | 1015.8         | 13.9        | .7     | 9.8            | -3     | 13            | 81    | 17     | 4        | 213      | 100      |
| 10776 REGENSBURG              | 4903N    | 01206E    | 371       |           | 973.0        | 1016.5         | 13.9        |        | 10.7           |        | 15            | 79    |        |          | 208      | 100      |
| 10788 STRAUBING               | 4850N    | 01234E    | 360       |           | 974.8        | 1016.7         | 13.5        |        | 10.8           |        | 12            | 78    |        |          | 212      | 100      |
| 10791 GROSSER ARBER           | 4907N    | 01308E    | 1446      |           | 854.7        | 1491 Y         | 6.1         |        | 7.4            |        | 14            | 242   |        |          | 180      | 95       |
| 10805 LAHR                    | 4822N    | 00750E    | 157       |           | 998.1        | 1016.7         | 15.1        |        | 11.7           |        | 15            | 140   |        |          | 179      | 85       |
| 10815 FREUDENSTADT            | 4827N    | 00825E    | 801       |           | 924.4        | 1495 Y         | 11.0        |        | 9.2            |        | 17            | 239   |        |          | 179      | 95       |

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| STATION                        | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 10836 STOETTEN                 | 4840N    | 00952E    | 737       |           | 931.1        | 1016.2         | 11.6        |        | 9.7            |        | 13            | 169   |        |          | 200      | 95       |
| 10852 AUGSBURG                 | 4826N    | 01056E    | 477       |           | 960.9        | 1016.6         | 12.8        |        | 10.3           |        | 12            | 99    |        |          | 212      | 105      |
| 10870 MUENCHEN, FLUGHAFEN      | 4822N    | 01149E    | 453       |           | 964.1        | 1016.3         | 13.5        | 1.3    | 10.3           | .4     | 14            | 74    | -14    | 3        | 221      | 109      |
| 10875 MUEHL DORF               | 4817N    | 01230E    | 410       |           | 968.7        | 1016.6         | 13.5        |        | 10.6           |        | 14            | 74    |        |          | 218      | 110      |
| 10895 FUERSTENZELL             | 4833N    | 01321E    | 480       |           | 960.3        | 1016.4         | 12.9        |        | 11.2           |        | 15            | 132   |        |          | 204      |          |
| 10908 FELDBERG/SCHWARZWALD     | 4753N    | 00800E    | 1493      |           | 850.2        | 1496 Y         | 6.2         |        | 7.8            |        | 18            | 226   |        |          | 142      | 85       |
| 10929 KONSTANZ                 | 4741N    | 00911E    | 447       |           | 964.8        | 1017.0         | 14.0        | .9     | 10.5           | -.1    | 12            | 90    | 5      | 3        | 197      | 99       |
| 10946 KEMPTEN                  | 4743N    | 01020E    | 705       |           | 935.2        | 1016.7         | 11.8        |        | 10.2           |        | 15            | 107   |        |          | 186      | 100      |
| 10948 OBERSTDORF               | 4724N    | 01017E    | 812       |           | 924.0        | 1503 Y         | 10.9        |        | 9.9            |        | 20            | 193   |        |          | 164      | 95       |
| 10961 ZUGSPITZE                | 4725N    | 01059E    | 2962      |           | 709.3        | 3067 Z         | -2.8        | .3     | 4.4            | .0     | 21            | 203   | 31     | 4        | 151      | 92       |
| <b>10962 HOHENPEISSENBERG</b>  | 4748N    | 01101E    | 986       |           | 904.1        | 1498 Y         | 10.9        | 1.3    | 9.2            | .3     | 15            | 112   | -19    | 2        | 205      | 110      |
| 10980 WENDELSTEIN              | 4742N    | 01201E    | 1835      |           | 815.9        | 1500 Y         | 4.8         |        | 6.4            |        | 19            | 178   |        |          | 174      | 105      |
| <b>AUSTRIA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 11035 WIEN/HOHE WARTE          | 4815N    | 01622E    | 200       |           | 991.8        | 1016.3         | 14.9        |        | 11.8           | .6     | 11            | 76    | 15     | 3        | 233      | 105      |
| 11120 INNSBRUCK-FLUGHAFEN      | 4716N    | 01121E    | 584       |           | 947.7        | 1016.3         | 13.5        |        | 11.2           |        | 12            | 97    |        | 3        | 210      | 110      |
| <b>11146 SONNBLICK</b>         | 4703N    | 01257E    | 3111      |           | 697.2        | 3066 Z         | -3.1        |        | 4.6            | .2     | 20            | 172   | -45    | 3        | 141      | 98       |
| 11150 SALZBURG-FLUGHAFEN       | 4748N    | 01300E    | 450       |           | 964.1        | 1017.0         | 13.7        |        | 9.6            | -.7    | 16            | 116   | -13    | 2        | 184      | 95       |
| 11155 FEUERKOGEL               | 4749N    | 01343E    | 1621      |           | 837.4        | 1498 Y         | 6.2         |        | 7.4            |        | 18            | 243   |        | 4        | 192      | 115      |
| 11212 VILLACHERALPE            | 4636N    | 01340E    | 2160      |           | 785.5        | 1515 Y         | 3.1         |        | 6.8            |        | 13            | 101   |        | 2        | 184      | 115      |
| 11231 KLAGENFURT-FLUGHAFEN     | 4639N    | 01420E    | 476       |           | 961.1        | 1016.6         | 13.6        |        | 11.1           | .8     | 10            | 93    | 6      | 3        | 232      | 106      |
| 11240 GRAZ-THALERHOF-FLUGHAFEN | 4700N    | 01526E    | 347       |           | 974.1        | 1016.6         | 14.8        |        | 11.2           | -.2    | 15            | 112   | 28     | 4        | 213      | 102      |
| <b>CZECH REPUBLIC</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 11423 PRIMDA                   | 4940N    | 01240E    | 748       |           | 929.8        |                | 11.6        |        | 9.5            |        | 12            | 157   |        | 5        | 220      | 110      |
| <b>11464 MILESOVKA</b>         | 5033N    | 01356E    | 836       |           | 919.3        |                | 10.9        |        | 8.9            |        | 11            | 53    |        | 3        | 218      | 100      |
| 11487 KOCELOVICE               | 4928N    | 01350E    | 522       |           | 955.4        | 1016.4         | 12.3        |        | 10.0           |        | 14            | 120   |        | 5        | 226      | 100      |
| 11518 PRAHA/RUZYNE             | 5006N    | 01415E    | 380       |           | 973.2        | 1016.2         | 13.4        | .9     | 9.8            | -.5    | 13            | 108   | 31     | 5        | 225      | 105      |
| 11520 PRAHA-LIBUS              | 5001N    | 01427E    | 303       |           | 980.3        | 1016.1         | 14.2        |        | 10.0           |        | 12            | 96    |        | 5        | 222      | 100      |
| 11603 LIBEREC                  | 5046N    | 01501E    | 405       |           | 968.6        | 1015.9         | 12.6        |        | 9.7            |        | 13            | 86    |        | 3        | 216      | 120      |
| 11659 PRIBYSLAV                | 4935N    | 01546E    | 536       |           | 953.7        | 1016.6         | 11.2        |        | 9.4            |        | 12            | 105   |        | 4        | 198      | 100      |
| 11723 BRNO/TURANY              | 4909N    | 01642E    | 246       |           | 987.3        | 1016.5         | 13.7        | -.2    | 9.9            | -.8    | 9             | 80    | 20     | 4        | 198      | 90       |
| 11782 OSTRAVA/MOSNOV           | 4941N    | 01807E    | 260       |           | 985.4        | 1016.2         | 13.7        | .5     | 11.4           | .5     | 12            | 86    | -5     | 3        | 196      | 97       |
| <b>SLOVAKIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 11826 PIESTANY                 | 4837N    | 01750E    | 164       |           | 997.1        | 1016.6         | 14.5        |        | 11.5           | 2.2    | 10            | 93    | 5      | 4        | 213      | 113      |
| 11858 HURBANOVO                | 4752N    | 01812E    | 124       |           | 1001.7       | 1016.5         | 15.2        | -.4    | 11.7           | .0     | 13            | 117   | 62     | 5        | 202      | 88       |
| 11903 SLIAC                    | 4839N    | 01909E    | 315       |           | 979.1        | 1016.3         | 13.3        | -.3    | 10.4           | -.5    | 14            | 103   | 40     | 5        | 196      | 97       |
| <b>11934 POPRAD/TATRY</b>      | 4904N    | 02015E    | 696       |           | 935.3        |                | 11.3        | .3     | 9.3            | -.2    | 14            | 71    | -2     | 2        | 200      | 103      |
| <b>POLAND</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>12120 LEBA</b>              | 5445N    | 01732E    | 6         |           | 1013.7       | 1014.4         | 11.2        |        | 9.8            |        | 7             | 61    |        | 4        | 275      |          |
| 12160 ELBLAG                   | 5410N    | 01926E    | 43        |           | 1009.4       | 1014.6         | 13.3        |        | 9.7            |        | 12            | 61    |        | 4        | 224      | 90       |

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| STATION                        | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 12205 SZCZECIN                 | 5324N    | 01437E    | 7         |           | 1013.8       | 1014.6         | 13.4        | .5     | 10.1           | -6     | 10            | 58    | 6      | 3        | 231      | 105      |
| 12295 BIALYSTOK                | 5306N    | 02310E    | 151       |           | 996.7        | 1014.8         | 12.5        | -.4    | 9.1            | -1.7   | 12            | 76    | 20     | 4        | 233      | 105      |
| 12330 POZNAN                   | 5225N    | 01651E    | 84        |           | 1004.6       | 1015.2         | 13.8        | .5     | 10.0           | -.4    | 11            | 49    | -4     | 3        | 274      | 125      |
| 12375 WARSZAWA-OKECIE          | 5210N    | 02058E    | 106       |           | 1002.4       | 1015.2         | 14.2        | .7     | 9.7            | -1.3   | 7             | 38    | -20    | 2        | 326      | 150      |
| 12424 WROCLAW II               | 5106N    | 01653E    | 124       |           | 1000.9       | 1015.8         | 14.0        | .9     | 9.6            | -1.5   | 6             | 21    | -43    | 1        | 257      | 130      |
| 12497 WLODAWA                  | 5133N    | 02332E    | 179       |           | 993.8        | 1015.3         | 13.5        |        | 9.6            |        | 13            | 58    |        | 4        | 235      | 105      |
| 12566 KRAKOW                   | 5005N    | 01948E    | 237       |           | 987.6        | 1016.0         | 13.2        | .1     | 10.6           | -.5    | 12            | 52    | -31    | 1        | 210      | 115      |
| <b>HUNGARY</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 12843 BUDAPEST/PESTSZENTLORINC | 4726N    | 01911E    | 139       |           | 1000.0       | 1016.6         | 15.9        | .0     | 12.0           | .4     | 15            | 91    | 36     | 5        | 234      | 102      |
| 12882 DEBRECEN                 | 4729N    | 02136E    | 109       |           | 1003.2       | 1016.1         | 15.6        | -.2    | 11.6           | -.7    | 11            | 78    | 19     | 4        | 221      | 92       |
| 12942 PECS/POGANY              | 4600N    | 01814E    | 203       |           | 993.2        | 1017.4         | 15.6        | .1     | 11.7           | -.1    | 8             | 82    | 19     | 4        | 233      | 98       |
| 12982 SZEGED                   | 4615N    | 02006E    | 83        |           | 1006.8       | 1016.6         | 15.5        | -.7    | 12.5           | .2     | 9             | 53    | 2      | 4        | 228      | 97       |
| <b>SLOVENIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 14008 KREDARICA                | 4623N    | 01351E    | 2515      |           | 751.1        | 3079 Z         | .7          |        | 5.4            |        | 13            | 159   |        | 3        | 173      | 105      |
| 14015 LJUBLJANA/BEZIGRAD       | 4604N    | 01431E    | 299       |           | 982.1        | 1017.0         | 15.5        |        | 11.5           |        | 7             | 177   |        | 5        | 213      | 100      |
| <b>CROATIA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 14236 ZAGREB/GRIC              | 4549N    | 01559E    | 162       |           | 997.1        | 1016.3         | 16.6        |        | 11.9           |        | 8             | 85    |        | 3        | 235      | 110      |
| 14445 SPLIT/MARJAN             | 4331N    | 01626E    | 128       |           | 1000.7       | 1015.7         | 19.7        |        | 13.1           |        | 4             | 52    |        | 3        | 320      | 115      |
| <b>BOSNIA AND HERZEGOVINA</b>  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 14648 MOSTAR                   | 4321N    | 01748E    | 108       |           | 1003.5       | 1016.2         | 19.2        |        | 12.4           |        | 8             | 75    |        | 2        | 284      | 125      |
| 14652 BJELASNICA               | 4343N    | 01816E    | 2070      |           | 794.3        |                | 4.4         |        | 6.0            |        | 7             | 33    |        | 1        | 187      | 110      |
| 14654 SARAJEVO-BJELAVE         | 4352N    | 01826E    | 638       |           | 946.3        | 1015.5         | 14.5        | .4     | 9.8            | -.3    | 13            | 60    | -21    | 3        | 214      | 112      |
| <b>ROMANIA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 15023 SUCEAVA                  | 4738N    | 02615E    | 352       |           | 974.5        | 1015.7         | 13.4        |        | 10.2           |        | 10            | 71    |        | 3        | 209      | 95       |
| 15085 BISTRITA                 | 4709N    | 02431E    | 367       |           | 972.5        | 1015.7         | 13.9        | -.4    | 10.6           | -1.0   | 11            | 107   | 31     | 5        | 230      | 102      |
| 15090 IASI                     | 4710N    | 02738E    | 104       |           | 1003.4       | 1015.8         | 15.4        | -.7    | 10.8           | -1.6   | 12            | 66    | 3      | 4        | 230      | 98       |
| 15120 CLUJ-NAPOCA              | 4647N    | 02334E    | 414       |           | 967.6        | 1016.0         | 14.0        | -.2    | 10.5           | -1.3   | 18            | 77    | 8      | 3        | 247      | 107      |
| 15247 TIMISOARA                | 4546N    | 02115E    | 88        |           | 1005.3       | 1015.5         | 16.2        | -.1    | 12.0           | -.9    | 10            | 50    | -15    | 3        | 244      | 101      |
| 15260 SIBIU                    | 4548N    | 02409E    | 444       |           | 963.6        | 1015.8         | 14.1        | -.1    | 11.0           | -1.0   | 9             | 71    | -7     | 3        | 222      | 108      |
| 15280 VARFU OMU                | 4527N    | 02527E    | 2509      |           | 750.6        |                | .4          | -.1    | 6.4            | .5     | 18            | 75    | -43    | 2        | 153      | 111      |
| 15292 CARANSEBES               | 4525N    | 02215E    | 242       |           | 987.9        | 1016.0         | 15.2        |        | 11.9           |        | 15            | 62    |        | 2        | 211      | 95       |
| 15310 GALATI                   | 4529N    | 02802E    | 71        |           | 1007.4       | 1015.7         | 16.8        | .2     | 11.7           | -1.4   | 7             | 51    | 0      | 3        | 244      | 96       |
| 15350 BUZAU                    | 4509N    | 02649E    | 97        |           | 1004.2       | 1015.7         | 16.8        |        | 11.4           |        | 10            | 81    |        | 4        | 267      | 105      |
| 15360 SULINA                   | 4510N    | 02944E    | 9         |           | 1013.9       | 1015.3         | 16.1        | .4     | 14.2           | -.6    | 5             | 15    | -11    | 2        | 306      | 120      |
| 15420 BUCURESTI BANEASA        | 4430N    | 02608E    | 91        |           | 1004.6       | 1014.2         | 16.0        | -.7    | 15.3           | 2.4    | 7             | 32    | -38    | 1        | 265      | 108      |
| 15450 CRAIOVA                  | 4419N    | 02352E    | 195       |           | 992.9        | 1015.9         | 16.7        | .1     | 12.3           | -1.1   | 7             | 49    | -15    | 2        | 295      | 118      |
| 15480 CONSTANTA                | 4413N    | 02839E    | 14        |           | 1014.1       | 1015.7         | 16.6        | 1.1    | 13.8           | -.3    | 9             | 83    | 45     | 5        | 283      | 107      |

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| STATION                      | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |     |
|------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|-----|
|                              |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |     |
| <b>BULGARIA</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |
| 15502 VIDIN                  | 4359N    | 02251E    | 595       |           |              | 1015.6         | 17.4        |        |                | 14.1   |               | 5     | 25     |          | 1        | 291      | 115 |
| 15552 VARNA                  | 4312N    | 02757E    | 43        |           | 1010.6       | 1015.6         | 16.2        | .6     |                | 14.1   | .4            | 7     | 23     | -17      | 2        | 290      | 132 |
| 15614 SOFIA (OBSERV.)        | 4239N    | 02323E    | 595       |           | 947.3        | 1015.7         | 15.3        | .7     |                | 11.3   | .3            | 4     | 18     | -60      | 0        | 264      | 125 |
| 15730 KURDJALI               | 4139N    | 02523E    | 331       |           | 977.9        | 1016.5         | 16.2        |        |                | 11.9   |               | 6     | 39     |          | 2        | 249      | 105 |
| <b>ITALY</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |
| 16008 S. VALENTINO ALLA MUTA | 4645N    | 01032E    | 1461      |           | 853.8        | 1498 Y         | 9.9         |        |                | 8.9    |               | 8     | 36     | -34      | 1        |          |     |
| 16022 PAGANELLA              | 4609N    | 01102E    | 2129      |           | 787.1        | 1500 Y         | 4.8         |        |                | 7.1    |               | 8     | 51     | -16      | 3        | 165      |     |
| 16033 DOBBIACO               | 4644N    | 01213E    | 1226      |           | 879.5        | 1508 Y         | 10.2        |        |                | 8.4    |               | 14    | 81     | 2        | 4        |          |     |
| 16052 PIAN ROSA              | 4554N    | 00742E    | 3488      |           | 664.8        |                | -4.0        |        |                | 3.7    |               | 9     | 32     |          | 6        | 158      | 81  |
| 16061 BRIC DELLA CROCE       | 4502N    | 00743E    | 710       |           | 933.9        |                | 15.7        |        |                | 12.1   |               | 6     | 78     | -35      | 2        | 175      | 99  |
| 16088 BRESCIA/GHEDI          | 4525N    | 01017E    | 97        |           | 1004.4       |                | 17.9        |        |                | 17.9   |               | 4     | 30     | -61      | 1        |          |     |
| 16098 TREVISO/ISTRANA        | 4541N    | 01206E    | 42        |           | 1011.1       | 1016.1         | 18.5        |        |                | 14.7   |               | 6     | 92     | -10      | 4        |          |     |
| <b>16110 TRIESTE</b>         | 4539N    | 01345E    | 4         |           | 1015.5       | 1015.9         | 17.7        |        |                | 13.3   |               | 7     | 92     | 11       | 4        | 243      | 108 |
| <b>16134 MONTE CIMONE</b>    | 4411N    | 01042E    | 2173      |           | 784.3        | 1512 Y         | 5.7         |        |                | 5.8    |               | 2     | 10     | -47      | 1        | 161      | 104 |
| 16148 CERVIA                 | 4413N    | 01218E    | 10        |           | 1014.7       | 1015.9         | 17.8        |        |                | 16.8   |               | 5     | 69     | 24       | 5        | 259      |     |
| 16153 CAPO MELE              | 4357N    | 00811E    | 221       |           | 990.1        | 1016.0         | 17.3        |        |                | 15.9   |               | 2     | 10     | -43      | 1        | 233      | 102 |
| 16179 FRONTONE               | 4331N    | 01244E    | 574       |           | 949.3        |                | 16.5        |        |                | 11.3   |               | 6     | 59     | -47      | 2        |          |     |
| 16206 GROSSETO               | 4244N    | 01103E    | 7         |           | 1015.8       | 1016.7         | 17.6        |        |                | 14.3   |               | 3     | 13     | -26      | 1        |          |     |
| 16219 MONTE TERMINILLO       | 4228N    | 01259E    | 1875      |           | 813.5        | 1514 Y         | 7.3         |        |                | 7.6    |               | 0     | 0      | -75      | 1        | 231      | 122 |
| 16224 VIGNA DI VALLE         | 4205N    | 01213E    | 266       |           | 984.5        | 1015.6         | 17.1        |        |                | 14.4   |               | 2     | 16     | -39      | 2        | 322      | 121 |
| <b>16232 TERMOLI</b>         | 4200N    | 01500E    | 44        |           | 1010.5       | 1015.7         | 19.8        |        |                | 19.5   |               | 1     | 4      | -18      | 1        | 279      | 115 |
| 16245 PRATICA DI MARE        | 4139N    | 01227E    | 21        |           | 1013.8       | 1016.3         | 17.9        |        |                | 15.9   |               | 3     | 13     | -23      | 1        |          |     |
| 16252 CAMPOBASSO             | 4134N    | 01439E    | 807       |           | 924.6        |                | 15.9        |        |                | 11.8   |               | 6     | 42     | -5       | 3        | 270      | 130 |
| 16253 GRAZZANISE             | 4103N    | 01404E    | 10        |           | 1015.6       | 1016.8         | 17.3        |        |                | 15.0   |               | 2     | 19     | -24      | 2        | 304      | 120 |
| 16258 MONTE S. ANGELO        | 4142N    | 01557E    | 848       |           | 919.5        |                | 14.7        |        |                | 9.4    |               | 4     | 35     | -2       | 4        |          |     |
| 16310 CAPO PALINURO          | 4001N    | 01516E    | 185       |           | 995.4        |                | 19.8        |        |                | 19.8   |               | 2     | 3      | -37      | 1        | 322      | 124 |
| 16344 MONTE SCURO            | 3920N    | 01624E    | 1677      |           | 833.8        | 1517 Y         | 10.2        |        |                | 8.3    |               | 3     | 17     | -32      | 2        | 293      |     |
| 16360 S. MARIA DI LEUCA      | 3949N    | 01821E    | 112       |           | 1002.7       | 1015.9         | 19.4        |        |                | 15.3   |               | 2     | 7      | -12      | 1        | 328      |     |
| 16400 USTICA                 | 3842N    | 01311E    | 243       |           | 989.1        | 1017.3         | 20.6        |        |                | 13.6   |               | 0     | T      | -18      | 1        | 320      | 115 |
| 16420 MESSINA                | 3812N    | 01533E    | 54        |           | 1010.3       | 1016.6         | 21.7        |        |                | 18.6   |               | 0     | T      | -31      | 1        | 314      | 122 |
| 16429 TRAPANI BIRGI          | 3755N    | 01230E    | 9         |           | 1015.9       | 1017.0         | 19.6        |        |                | 15.7   |               | 1     | 10     | -6       | 2        | 298      | 106 |
| 16459 CATANIA SIGONELLA      | 3724N    | 01455E    | 29        |           | 1013.1       | 1016.5         | 19.7        |        |                | 15.6   |               | 0     | T      | -22      | 1        |          |     |
| 16480 COZZO SPADARO          | 3641N    | 01508E    | 51        |           | 1009.8       | 1015.8         | 19.8        |        |                | 17.1   |               | 1     | 1      | -11      | 1        | 313      |     |
| 16522 CAPO CACCIA            | 4034N    | 00810E    | 204       |           | 992.8        |                | 18.5        |        |                |        |               | 01    | 1      |          | 1        | 312      | 115 |
| 16546 DECIMOMANNU            | 3921N    | 00858E    | 24        |           | 1013.6       | 1016.4         | 20.0        |        |                | 14.9   |               | 0     | T      | -24      | 1        |          |     |
| <b>16550 CAPO BELLAVISTA</b> | 3955N    | 00942E    | 150       |           | 998.4        | 1016.0         | 18.8        |        |                | 14.6   |               | 1     | 2      | -21      | 1        | 322      | 155 |
| <b>MALTA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |
| <b>16597 LUQA</b>            | 3551N    | 01429E    | 91        |           | 1008.8       | 1017.3         | 20.8        | 1.7    |                | 15.3   | -4            | 2     | 3      | -3       | 3        | 329      | 110 |
| <b>GREECE</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |     |

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| STATION                        | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 16622 THESSALONIKI (AIRPORT)   | 4031N    | 02258E    | 8         |           | 1015.9       | 1016.4         | 20.5        | 1.0    | 13.7           | -7     | 2             | 5     | -39    | 1        | 299      | 119      |
| <b>16641 KERKYRA (AIRPORT)</b> | 3937N    | 01955E    | 4         |           | 1015.1       | 1015.6         | 20.5        | .9     | 16.0           | .5     | 3             | 29    | -7     | 3        | 302      | 109      |
| 16648 LARISSA (AIRPORT)        | 3938N    | 02225E    | 74        |           | 1007.1       | 1015.7         | 20.7        | 1.1    | 12.7           | -9     | 1             | 2     | -35    | 1        | 309      | 116      |
| 16716 ATHINAI (AIRPORT)        | 3754N    | 02344E    | 28        |           | 1013.7       | 1015.4         | 21.3        | .7     | 14.0           | -4     | 0             | T     | -14    | 1        | 356      | 122      |
| 16726 KALAMATA (AIRPORT)       | 3704N    | 02201E    | 8         |           | 1014.2       | 1015.6         | 20.6        | .8     | 15.7           | .5     | 3             | 9     | -13    | 2        | 329      | 115      |
| <b>16746 SOUDA (AIRPORT)</b>   | 3529N    | 02407E    | 151       |           | 997.7        | 1015.4         | 20.9        | .9     | 13.2           | -4     | 1             | 2     | -11    | 1        | 336      | 110      |
| 16754 HERAKLION (AIRPORT)      | 3520N    | 02511E    | 39        |           | 1010.6       | 1015.2         | 20.3        | .0     | 14.3           | -1     | 1             | 1     | -14    | 2        | 333      | 111      |
| <b>TURKEY</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 17022 ZONGULDAK                | 4127N    | 03148E    | 137       |           | 1000.3       | 1016.6         | 15.2        | -2     | 13.1           | .7     | 5             | 31    | -23    | 2        | 248      | 105      |
| 17030 SAMSUN                   | 4117N    | 03618E    | 4         |           | 1015.9       | 1016.4         | 14.6        | -9     | 14.3           | .1     | 10            | 69    | 21     | 4        | 172      | 90       |
| 17034 GIRE SUN                 | 4055N    | 03823E    | 37        |           | 1011.9       | 1016.4         | 14.5        | -9     | 13.4           | -6     | 12            | 97    | 31     | 5        |          |          |
| <b>17040 RIZE</b>              | 4102N    | 04031E    | 9         |           | 1014.9       | 1015.9         | 16.0        | .2     | 14.9           | .8     | 12            | 100   | -2     | 3        | 178      | 95       |
| 17050 EDIRNE                   | 4140N    | 02634E    | 51        |           | 1009.8       | 1015.9         | 18.4        | .5     | 13.3           | .2     | 6             | 37    | -11    | 2        | 294      | 110      |
| <b>17062 ISTANBUL/GOZTEPE</b>  | 4058N    | 02905E    | 33        |           | 1011.6       | 1015.5         | 17.3        | .8     | 13.9           | .1     |               | 2     | -29    | 1        | 279      | 105      |
| <b>17074 KASTAMONU</b>         | 4122N    | 03347E    | 800       |           | 924.1        | 1015.3         | 13.9        | .1     | 9.4            | -9     | 8             | 45    | -23    | 1        | 239      | 100      |
| 17084 CORUM                    | 4033N    | 03457E    | 776       |           | 926.1        | 1014.2         | 14.7        | .1     | 11.9           | 1.7    | 9             | 54    | -7     | 3        | 240      | 110      |
| <b>17090 SIVAS</b>             | 3945N    | 03701E    | 1285      |           | 871.8        | 1013.3         | 13.6        | .2     | 9.8            | .9     | 12            | 69    | 10     | 4        | 268      | 105      |
| 17092 ERZINCAN                 | 3942N    | 03931E    | 1154      |           | 878.0        | 1011.2         | 16.2        | 1.0    | 11.2           | 1.8    | 10            | 65    | 9      | 4        | 244      | 95       |
| 17096 ERZURUM                  | 3957N    | 04110E    | 1758      |           | 824.3        | 1012.7         | 11.4        | .9     | 8.9            | .9     | 7             | 42    | -25    | 2        | 291      | 115      |
| 17098 KARS                     | 4033N    | 04305E    | 1795      |           | 821.6        | 1011.4         | 11.6        | 1.6    | 8.9            | .5     | 9             | 58    | -18    | 2        | 303      | 135      |
| 17112 CANAKKALE                | 4008N    | 02624E    | 6         |           | 1016.2       | 1016.9         | 17.7        | .3     | 16.7           | 1.9    | 4             | 17    | -14    | 3        | 329      | 70       |
| 17116 BURSA                    | 4011N    | 02904E    | 100       |           | 1003.9       | 1015.7         | 18.9        | 1.6    | 12.2           | -1.3   | 2             | 9     | -36    | 1        | 279      | 110      |
| 17130 ANKARA/CENTRAL           | 3957N    | 03253E    | 891       |           | 913.4        | 1013.1         | 16.6        | 1.1    | 10.6           | .7     | 8             | 30    | -24    | 1        | 271      | 95       |
| <b>17170 VAN</b>               | 3827N    | 04319E    | 1669      |           | 832.5        | 1010.4         | 14.6        | 1.9    | 9.0            | .8     | 6             | 35    | -14    | 3        | 272      | 60       |
| 17188 USAK                     | 3841N    | 02924E    | 919       |           | 910.2        | 1013.0         | 15.8        | .3     | 11.5           | .6     | 7             | 43    | 1      | 3        |          |          |
| 17190 AFYON                    | 3845N    | 03032E    | 1034      |           | 897.5        | 1012.4         | 15.4        | .8     | 11.6           | 1.9    | 8             | 53    | 6      | 4        | 267      | 100      |
| 17199 MALATYA/BOLGE            | 3821N    | 03819E    | 948       |           | 906.1        | 1010.7         | 19.0        |        | 10.3           |        | 7             | 26    |        | 1        | 322      | 110      |
| 17210 SIIRT                    | 3755N    | 04157E    | 896       |           | 909.5        | 1008.9         | 21.0        | 1.9    | 10.6           | .0     | 2             | 16    | -43    | 1        | 318      | 110      |
| 17220 IZMIR/GUZELYALI          | 3826N    | 02710E    | 29        |           | 1010.1       | 1013.5         | 21.1        | .5     | 15.8           | 1.5    | 0             | 0     | -23    | 0        | 334      | 95       |
| <b>17240 ISPARTA</b>           | 3745N    | 03033E    | 997       |           | 902.3        | 1013.5         | 15.8        | .5     | 10.1           | .5     | 8             | 44    | -3     | 4        | 297      | 110      |
| 17244 KONYA                    | 3758N    | 03233E    | 1032      |           | 898.3        | 1012.5         | 16.2        | .5     | 10.4           | .6     | 7             | 18    | -31    | 1        | 292      | 105      |
| 17250 NIGDE                    | 3758N    | 03441E    | 1210      |           | 879.7        | 1012.4         | 16.1        | 1.5    | 9.2            | .1     | 4             | 43    | -9     | 3        | 316      | 115      |
| 17255 KAHRAMANMARAS            | 3736N    | 03656E    | 572       |           | 947.4        | 1011.7         | 21.9        | 2.0    | 13.7           | 1.7    | 3             | 14    | -24    | 4        | 299      | 110      |
| 17270 SANLIURFA                | 3708N    | 03846E    | 549       |           | 948.1        | 1009.0         | 23.8        | 2.0    | 13.1           | 2.0    | 3             | 17    | -13    | 3        | 325      | 100      |
| 17280 DIYARBAKIR               | 3753N    | 04012E    | 687       |           | 934.4        | 1010.0         | 19.4        | .0     | 11.4           | -1.0   | 4             | 38    | -2     | 4        | 326      | 150      |
| 17285 HAKKARI                  | 3734N    | 04346E    | 1728      |           | 828.9        | 1012.0         | 15.9        | 1.8    | 7.3            | -9     | 6             | 22    | -40    | 0        | 335      | 120      |
| 17292 MUGLA                    | 3713N    | 02822E    | 646       |           | 939.9        | 1012.9         | 18.4        | 1.0    | 12.3           | 1.1    | 6             | 28    | -16    | 3        | 273      | 95       |
| 17300 ANTALYA                  | 3652N    | 03044E    | 64        |           | 1005.0       | 1010.9         | 21.0        | .7     | 16.1           | .2     | 1             | 12    | -15    | 2        | 344      | 110      |
| 17340 MERSIN                   | 3648N    | 03438E    | 3         |           | 1011.2       | 1011.6         | 22.3        | 1.5    | 20.0           | 1.1    | 1             | 3     | -19    | 2        | 308      | 115      |
| 17351 ADANA/BOLGE              | 3659N    | 03521E    | 27        |           | 1009.1       | 1012.3         | 22.4        |        | 18.0           |        | 2             | 20    |        | 2        | 321      | 110      |
| <b>CYPRUS</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 17609 LARNACA AIRPORT          | 3453N    | 03338E    | 2         |           | 1012.2       | 1012.5         | 21.8        | 1.4    | 16.0           |        | 1             | 2     | -7     |          | 373      | 113      |

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| STATION                               | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                       |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>RUSSIAN FEDERATION (EUROPE)</b>    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 22113 MURMANSK                        | 6858N    | 03303E    | 51        |           | 1009.0       | 1015.3         | 5.6         | 2.0    | 5.8            | .1     | 6             | 48    | 18     | 5        | 263      | 137      |
| <b>22165 KANIN NOS</b>                | 6839N    | 04318E    | 49        |           | 1009.5       | 1015.7         | 1.3         | 2.2    | 5.7            | .7     | 3             | 12    | -9     | 1        | 222      | 130      |
| <b>22217 KANDALAKSHA</b>              | 6709N    | 03221E    | 25        |           | 1011.7       | 1014.8         | 5.9         | 1.3    | 6.7            | .7     | 12            | 75    | 38     | 6        | 194      | 78       |
| 22235 KRASNOSCEL'E                    | 6721N    | 03703E    | 156       |           | 995.8        | 1015.1         | 4.7         |        | 6.0            |        | 11            | 34    |        |          | 215      | 100      |
| 22471 MEZEN'                          | 6552N    | 04413E    | 19        |           | 1013.0       | 1015.3         | 6.5         |        | 6.0            |        | 6             | 26    |        | 3        | 320      | 135      |
| <b>22522 KEM'-PORT</b>                | 6459N    | 03448E    | 8         |           | 1013.5       | 1014.4         | 5.8         | .9     | 7.2            | .7     | 8             | 46    | 16     | 4        | 278      | 102      |
| <b>22550 ARHANGEL'SK</b>              | 6433N    | 04035E    | 4         |           | 1014.0       | 1015.0         | 8.4         | 1.9    | 7.0            | .4     | 8             | 62    | 22     | 5        | 316      | 121      |
| 22619 PADANY                          | 6316N    | 03325E    | 128       |           | 998.1        | 1013.9         | 7.6         |        | 7.0            |        | 13            | 61    |        | 5        | 306      |          |
| 22641 ONEGA                           | 6354N    | 03807E    | 13        |           | 1013.0       | 1014.5         | 8.7         | 1.6    | 7.5            | .6     | 9             | 46    | 9      | 4        | 302      | 110      |
| 22676 SURA                            | 6335N    | 04538E    | 62        |           | 1006.5       | 1014.1         | 8.8         |        | 6.6            |        | 8             | 68    |        | 5        |          |          |
| 22768 SHENKURSK                       | 6206N    | 04254E    | 45        |           | 1008.8       | 1014.3         | 10.2        |        | 7.1            |        | 9             | 45    |        | 3        | 306      | 130      |
| <b>22802 SORTAVALA</b>                | 6143N    | 03043E    | 19        |           | 1012.4       | 1014.7         | 9.6         | 1.1    | 7.5            | .2     | 6             | 35    | 2      | 4        | 318      | 113      |
| 22820 PETROZAVODSK                    | 6149N    | 03416E    | 110       |           | 1000.8       | 1014.3         | 9.5         | 1.2    | 7.0            | -1     | 6             | 29    | -11    | 2        | 328      | 124      |
| <b>22837 VYTEGRA</b>                  | 6101N    | 03627E    | 56        |           | 1007.6       | 1014.5         | 9.8         | .6     | 7.3            | -6     | 8             | 38    | -9     | 2        | 335      | 132      |
| <b>26063 ST.PETERSBURG (VOEJKOVO)</b> | 5958N    | 03018E    | 6         |           | 1013.8       | 1014.5         | 11.8        | 1.0    | 8.2            | -1     | 7             | 61    | 24     | 4        | 314      | 121      |
| 26157 GDOV                            | 5844N    | 02750E    | 40        |           | 1010.0       | 1014.9         | 11.0        |        | 7.9            |        | 5             | 32    |        |          | 321      |          |
| 26275 STARAYA RUSSA                   | 5801N    | 03119E    | 25        |           | 1011.9       | 1014.9         | 11.4        |        | 8.6            |        | 10            | 62    |        |          | 308      | 115      |
| 26359 PUSKINSKIE GORY                 | 5701N    | 02854E    | 108       |           | 1002.2       | 1015.3         | 11.9        |        | 8.0            |        | 11            | 72    |        |          |          |          |
| <b>26781 SMOLENSK</b>                 | 5445N    | 03204E    | 239       |           | 986.6        | 1015.0         | 11.6        | -8     | 8.6            | -1.4   | 14            | 95    | 46     |          | 276      | 111      |
| 26997 TRUBCHEVSK                      | 5235N    | 03346E    | 178       |           | 994.4        | 1015.7         | 12.5        |        | 10.8           |        | 13            | 72    |        | 4        |          |          |
| 27037 VOLOGDA                         | 5919N    | 03955E    | 130       |           | 998.8        | 1014.5         | 10.4        | -1     | 7.9            | -6     | 10            | 51    | 6      | 3        | 266      | 99       |
| <b>27051 TOT'MA</b>                   | 5953N    | 04245E    | 134       |           | 998.0        | 1014.2         | 10.3        | .7     | 7.9            | .0     | 7             | 46    | -1     | 3        | 248      | 96       |
| 27333 KOSTROMA                        | 5744N    | 04047E    | 126       |           | 999.3        | 1014.6         | 12.0        | .4     | 8.3            | -6     | 11            | 63    | 20     | 4        | 254      | 95       |
| 27459 NIZHNIJ NOVGOROD                | 5616N    | 04400E    | 157       |           | 996.1        | 1014.9         | 12.9        |        | 8.4            |        | 12            | 54    |        | 3        | 287      | 105      |
| <b>27595 KAZAN'</b>                   | 5536N    | 04917E    | 116       |           | 1001.6       | 1015.9         | 13.6        | .3     | 8.4            | -2     | 11            | 57    | 21     | 5        | 275      | 98       |
| <b>27612 MOSKVA</b>                   | 5550N    | 03737E    | 156       |           | 996.5        | 1015.2         | 12.4        | -7     | 9.7            | .2     | 10            | 56    | 6      |          |          |          |
| <b>27648 ELAT'MA</b>                  | 5457N    | 04146E    | 136       |           | 999.3        | 1015.5         | 12.5        | -7     | 9.4            | -4     | 12            | 90    | 46     | 5        | 265      | 94       |
| 27675 PORETSKOE                       | 5511N    | 04620E    | 136       |           | 999.2        | 1015.5         | 12.8        |        | 9.2            |        | 10            | 48    |        | 4        | 253      | 95       |
| 27707 SUHINICHI                       | 5406N    | 03521E    | 238       |           | 987.0        | 1015.5         | 12.0        |        | 9.1            |        | 12            | 75    |        |          |          |          |
| 27823 PAVELETS                        | 5347N    | 03915E    | 209       |           | 991.0        | 1016.0         | 12.4        | -1.0   | 8.4            | -1.0   | 12            | 50    | 6      | 4        | 269      | 106      |
| 27857 ZAMETCHINO                      | 5329N    | 04238E    | 131       |           | 1000.0       | 1015.8         | 13.2        |        | 8.8            |        | 12            | 58    |        | 4        | 273      | 100      |
| 27995 SAMARA (BEZENCHUK)              | 5259N    | 04926E    | 46        |           | 1010.9       | 1016.4         | 14.7        |        | 9.6            |        | 10            | 49    |        | 4        | 297      | 95       |
| 34110 BOGORODITSKOE-FENINO            | 5110N    | 03721E    | 226       |           | 989.0        | 1015.8         | 13.7        |        | 9.6            |        | 8             | 60    |        | 3        | 276      |          |
| 34123 VORONEZ                         | 5142N    | 03913E    | 149       |           | 998.3        | 1016.0         | 14.6        |        | 9.4            |        | 7             | 26    |        | 2        |          |          |
| 34152 BALASHOV                        | 5133N    | 04309E    | 159       |           | 997.2        | 1016.2         | 14.3        |        | 9.7            |        | 6             | 34    |        | 3        |          |          |
| <b>34163 OKTJABR'SKIJ GORODOK</b>     | 5138N    | 04527E    | 201       |           | 992.4        | 1016.3         | 13.5        |        | 9.9            |        | 11            | 71    |        | 4        | 297      | 106      |
| 34186 ERSHOV                          | 5122N    | 04818E    | 111       |           | 1003.2       | 1016.5         | 15.0        |        | 8.9            |        | 10            | 51    |        | 5        | 310      | 100      |
| 34579 VERHNIJ BASKUNCHAK              | 4813N    | 04644E    | 34        |           | 1012.9       | 1017.0         | 17.4        |        | 10.9           |        | 5             | 20    |        | 3        |          |          |
| 34720 TAGANROG                        | 4712N    | 03854E    | 32        |           | 1013.0       | 1016.9         | 16.5        |        | 13.5           |        | 6             | 55    |        |          |          |          |
| 34740 GIGANT                          | 4631N    | 04121E    | 79        |           | 1007.4       | 1016.8         | 16.3        |        | 12.5           |        | 8             | 64    |        |          | 259      |          |
| <b>34866 YASHKUL'</b>                 | 4611N    | 04521E    | -7        |           | 1018.3       | 1017.5         | 17.1        | -1.0   | 12.7           | 1.5    | 6             | 41    | 12     |          |          |          |
| 34927 KRASNODAR-KRUGLIK               | 4503N    | 03902E    | 29        |           | 1012.6       | 1016.0         | 17.0        |        | 12.8           |        | 6             | 54    |        | 3        | 256      | 100      |
| 34949 STAVROPOL'                      | 4507N    | 04205E    | 452       |           | 963.9        | 1016.6         | 14.5        |        | 12.1           |        | 9             | 62    |        |          | 248      |          |
| 37001 ANAPA                           | 4453N    | 03717E    | 32        |           | 1011.9       | 1015.8         | 15.0        |        | 13.5           |        | 7             | 35    |        | 3        |          |          |
| 37061 BUDENNOVSK                      | 4447N    | 04408E    | 136       |           | 1000.7       | 1016.8         | 15.9        |        | 13.8           |        | 11            | 76    |        |          | 261      |          |

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| STATION                       | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                               |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 37107 KRASNAYA POLYANA        | 4341N    | 04012E    | 569       |           | 950.6        | 1016.4         | 14.1        |        | 12.3           |        | 14            | 190   |        |          | 205      |          |
| 37126 SHADZHATMAZ             | 4344N    | 04240E    | 2056      |           | 794.8        | 1503 Y         | 5.6         |        | 7.6            |        | 14            | 117   |        |          | 207      |          |
| 37228 VLADIKAVKAZ             | 4303N    | 04439E    | 703       |           | 935.3        | 1015.7         | 13.8        |        | 12.8           |        | 15            | 126   |        |          | 185      |          |
| 37470 DERBENT                 | 4204N    | 04818E    | -18       |           | 1019.1       | 1016.8         | 16.2        |        | 15.2           |        | 5             | 12    |        | 2        | 225      | 95       |
| 37472 MAHACHKALA              | 4250N    | 04733E    | 32        |           | 1016.3       | 1018.5         | 15.4        | -1.2   | 14.5           | 1.0    | 5             | 41    | 17     | 5        | 218      | 89       |
| 37663 AHY                     | 4128N    | 04745E    | 1015      |           |              | 1487 Y         | 13.4        |        | 11.7           |        | 10            | 46    |        | 4        | 268      | 115      |
| <b>ARMENIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 37789 YEREVAN/YEREVAN-ARABKIR | 4008N    | 04428E    | 1140      |           | 889.5        | 1498 Y         | 18.2        | .7     | 11.1           | .4     | 4             | 26    | -16    | 1        | 310      | 128      |
| <b>AZERBAIJAN</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 37661 SHAKI                   | 4113N    | 04710E    | 641       |           | 941.9        | 1013.1         | 15.1        | -1.2   | 18.6           |        | 2             | 3     | -99    |          |          |          |
| 37735 GANDJA                  | 4043N    | 04625E    | 311       |           | 976.8        | 1011.8         | 16.3        | -1.5   | 15.5           |        | 0             | T     | -42    |          | 310      |          |
| 37860 MASHTAGA                | 4032N    | 05000E    | 28        |           | 1010.2       | 1013.4         | 15.3        | -1.6   | 13.0           | -5     | 0             | 0     | -16    |          | 473      | 168      |
| 37936 NAXCIVAN                | 3912N    | 04525E    | 885       |           | 911.0        | 1006.1         | 17.2        | -3     | 16.2           |        | 2             | 5     | -31    |          | 369      | 145      |
| <b>BELARUS</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 26554 VERHNEDVINSK            | 5549N    | 02757E    | 132       |           | 999.1        | 1014.9         | 11.5        |        | 8.2            |        | 9             | 71    |        | 4        | 298      |          |
| 26666 VITEBSK                 | 5510N    | 03013E    | 176       |           | 994.0        | 1015.0         | 12.3        | -4     | 8.2            | -1.6   | 12            | 83    | 31     | 4        |          |          |
| 26825 GRODNO                  | 5336N    | 02403E    | 134       |           | 997.3        | 1015.0         | 13.1        |        | 8.8            |        | 9             | 36    |        | 2        |          |          |
| 26850 MINSK                   | 5356N    | 02738E    | 231       |           | 988.3        | 1014.9         | 12.5        | -4     | 8.5            | -1.3   | 12            | 75    | 13     | 4        | 259      | 102      |
| 26863 MOGILEV                 | 5357N    | 03004E    | 192       |           | 992.0        | 1015.0         | 12.0        | -1.0   | 8.4            | -1.7   | 11            | 57    | 2      | 3        |          |          |
| 26941 BARANOVICHI             | 5307N    | 02600E    | 193       |           | 992.4        | 1015.4         | 12.9        |        | 8.5            |        | 10            | 83    |        | 4        |          |          |
| 26951 SLUTSK                  | 5302N    | 02733E    | 162       |           | 995.6        | 1015.0         | 12.8        |        | 8.8            |        | 10            | 74    |        | 4        |          |          |
| 33008 BREST                   | 5207N    | 02341E    | 146       |           | 997.9        | 1015.3         | 13.9        | .2     | 9.4            | -1.2   | 14            | 61    | 2      | 4        | 248      | 104      |
| 33019 PINSK                   | 5207N    | 02607E    | 142       |           | 998.1        | 1015.1         | 13.7        |        | 9.5            |        | 8             | 60    |        | 4        | 268      | 105      |
| 33036 MOZYR                   | 5157N    | 02910E    | 190       |           | 992.8        | 1015.2         | 13.5        |        | 9.0            |        | 14            | 71    |        | 4        |          |          |
| <b>33038 VASILEVICHI</b>      | 5215N    | 02950E    | 142       |           | 998.7        | 1015.7         | 13.0        | -1.2   | 9.4            | -8     | 13            | 72    | 20     | 4        | 263      | 100      |
| 33041 GOMEL                   | 5224N    | 03057E    | 126       |           | 1000.6       | 1015.6         | 13.6        | -7     | 9.6            | -8     | 13            | 86    | 38     | 5        | 255      | 97       |
| <b>ESTONIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 26038 TALLINN                 | 5923N    | 02435E    | 34        |           | 1010.0       | 1014.1         | 10.1        | .4     | 8.1            | -3     | 7             | 23    | -14    | 2        | 301      | 109      |
| 26214 VILSANDI                | 5823N    | 02149E    | 6         |           | 1013.2       | 1013.9         | 9.6         | .9     | 9.1            | .2     | 5             | 25    | -7     | 3        | 309      | 107      |
| <b>26242 TARTU</b>            | 5818N    | 02644E    | 68        |           | 1005.8       | 1014.3         | 11.3        | .3     | 7.3            | -1.6   | 7             | 47    | -6     | 3        | 267      | 103      |
| <b>GEORGIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 37395 KUTAISI                 | 4216N    | 04238E    | 114       |           | 1003.1       | 1016.5         | 17.6        |        | 13.9           |        | 12            | 68    |        |          |          |          |
| 37404 ZESTAFONT               | 4208N    | 04301E    | 148       |           | 998.6        | 1016.1         | 17.9        |        | 15.1           |        | 11            | 72    |        |          |          |          |
| 37432 PASANAURI               | 4221N    | 04442E    | 1070      |           | 895.2        | 1513 Y         | 13.5        |        | 12.8           |        | 15            | 131   |        |          |          |          |
| 37484 BATUMI                  | 4139N    | 04138E    | 2         |           | 1013.0       | 1013.9         | 19.8        |        | 16.5           |        | 2             | 13    |        |          |          |          |
| 37545 TBILISI                 | 4145N    | 04446E    | 427       |           | 966.8        | 1016.2         | 16.9        |        | 14.1           |        | 2             | 79    |        |          |          |          |
| 37621 BOLNISI                 | 4127N    | 04433E    | 534       |           | 953.4        | 1015.1         | 16.0        |        | 13.0           |        | 11            | 89    |        |          |          |          |



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| STATION                    | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|----------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                            |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>KAZAKHSTAN</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 34398 ZHALPAKTAL           | 4940N    | 04929E    | 10        |           | 1015.7       | 1016.9         | 16.3        | -6     | 10.5           | .8     | 4             | 30    | 13     |          | 316      | 102      |
| 34691 NOVYJ USHTOGAN       | 4754N    | 04848E    | -10       |           | 1018.2       | 1017.1         | 17.6        |        | 10.2           |        | 4             | 17    |        |          |          |          |
| <b>LATVIA</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 26346 ALUKSNE              | 5726N    | 02702E    | 193       |           | 990.7        | 1014.6         | 10.7        |        | 7.3            |        | 10            | 62    |        |          | 284      | 110      |
| <b>26406 LIEPAJA</b>       | 5629N    | 02101E    | 7         |           | 1013.6       | 1014.2         | 10.9        | .6     | 8.9            | -.5    | 3             | 20    | -20    |          | 288      | 105      |
| 26544 DAUGAVPILS           | 5552N    | 02637E    | 122       |           | 999.9        | 1014.8         | 11.4        | -7     | 8.2            | -1.6   | 10            | 71    | 20     |          | 271      | 108      |
| <b>LITHUANIA</b>           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 26509 KLAIPEDA             | 5544N    | 02104E    | 7         |           | 1013.5       | 1014.4         | 11.6        | 1.0    | 9.7            | .1     | 8             | 26    | -13    | 2        | 271      | 103      |
| 26524 SIAULIAI             | 5556N    | 02319E    | 107       |           | 1001.5       | 1014.4         | 12.0        | .2     | 9.1            | -.4    | 9             | 49    | 2      | 4        | 281      | 107      |
| 26629 KAUNAS               | 5453N    | 02350E    | 770       |           |              | 1015.0         | 12.5        | .1     | 8.8            | -1.4   | 10            | 75    | 20     | 5        | 280      | 112      |
| 26730 VILNIUS              | 5438N    | 02506E    | 162       |           | 996.1        | 1014.8         | 12.3        | -2     | 8.1            | -1.6   | 11            | 46    | -16    | 3        | 255      | 106      |
| <b>REPUBLIC OF MOLDOVA</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 33815 CHISINAU             | 4701N    | 02859E    | 173       |           | 994.1        | 1015.4         | 15.7        | -4     | 11.3           | .3     | 12            | 97    | 46     | 5        | 257      | 101      |
| <b>UKRAINE</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 33275 SUMY                 | 5051N    | 03440E    | 181       |           | 994.0        | 1015.7         | 13.9        | -9     | 10.4           |        | 11            | 120   | 65     | 5        |          |          |
| 33301 RIVNE                | 5035N    | 02608E    | 231       |           | 988.6        | 1016.0         | 13.5        | -2     | 9.4            |        | 8             | 62    | 6      | 4        |          |          |
| 33345 KIEV                 | 5024N    | 03034E    | 167       |           | 995.7        | 1015.6         | 14.4        | -7     | 10.2           | -.7    | 11            | 130   | 77     | 6        |          |          |
| <b>33377 LUBNY</b>         | 5000N    | 03301E    | 158       |           | 996.9        | 1015.7         | 14.3        | -1.1   | 10.5           |        | 14            | 79    | 38     | 5        |          |          |
| 33393 L'VIV                | 4949N    | 02357E    | 323       |           | 978.1        | 1016.2         | 13.3        | .1     | 9.7            | -1.2   | 14            | 108   | 31     | 5        | 197      | 87       |
| 33415 TERNOPIL'            | 4932N    | 02540E    | 329       |           | 977.6        | 1016.4         | 13.2        | -1     | 10.1           |        | 10            | 62    | -6     | 3        |          |          |
| 33429 KHMEL'NYTS'KYI       | 4926N    | 02659E    | 350       |           | 974.9        | 1016.2         | 13.2        | -7     | 9.6            |        | 8             | 71    | 7      | 4        |          |          |
| 33506 POLTAVA              | 4936N    | 03433E    | 160       |           | 996.9        | 1016.0         | 15.0        | -4     | 10.5           | .1     | 7             | 61    | 10     | 4        | 248      | 93       |
| 33526 IVANO-FRANKIVS'K     | 4858N    | 02424E    | 280       |           | 983.3        | 1016.4         | 13.3        | -2     | 10.4           |        | 16            | 134   | 47     | 5        |          |          |
| 33562 VINNYTSIA            | 4914N    | 02836E    | 298       |           | 980.7        | 1015.7         | 13.5        | -6     | 9.4            | -1.2   | 9             | 59    | -3     | 3        | 234      | 94       |
| <b>33587 UMAN'</b>         | 4846N    | 03014E    | 216       |           | 990.6        | 1016.2         | 14.3        | -2     | 10.1           | -.8    | 10            | 49    | -6     | 3        |          |          |
| 33631 UZHGOROD             | 4838N    | 02216E    | 124       |           | 1002.3       | 1016.1         | 15.0        | -6     | 11.2           | -.2    | 15            | 103   | 33     | 5        | 207      | 84       |
| 33658 CHERNIVTSI           | 4822N    | 02554E    | 246       |           | 986.9        | 1016.1         | 14.1        | -2     | 11.2           | .0     | 11            | 112   | 35     | 5        | 222      | 101      |
| 33711 KIROVOHRAD           | 4831N    | 03212E    | 171       |           | 995.7        | 1016.0         | 14.4        | -8     | 10.5           |        | 12            | 80    | 35     | 5        |          |          |
| 33777 VOZNESENS'K          | 4734N    | 03120E    | 34        |           | 1011.8       | 1015.8         | 15.7        |        | 12.0           |        | 12            | 57    |        | 4        |          |          |
| 33791 KRYVYI RIH           | 4802N    | 03313E    | 124       |           | 1001.0       | 1015.8         | 14.6        | -1.3   | 11.1           |        | 9             | 62    | 21     | 4        | 229      | 85       |
| 33837 ODESA                | 4626N    | 03046E    | 42        |           | 1010.9       | 1015.9         | 15.2        | .1     | 13.1           | .7     | 8             | 104   | 65     | 5        | 291      | 110      |
| 33889 IZMAIL               | 4522N    | 02851E    | 30        |           | 1012.1       | 1015.7         | 16.3        | .1     | 12.1           | .1     | 4             | 65    | 18     | 4        | 283      | 105      |
| 33902 KHERSON              | 4638N    | 03234E    | 54        |           | 1008.8       | 1015.2         | 15.3        | -7     | 12.0           |        | 10            | 47    | 4      | 4        | 232      | 85       |
| <b>33915 ASKANIIA-NOVA</b> | 4627N    | 03353E    | 30        |           | 1012.3       | 1015.9         | 15.0        | -6     | 13.1           | 1.5    | 12            | 71    | 33     |          | 241      | 90       |
| 33946 SIMFEROPOL'          | 4441N    | 03408E    | 181       |           | 994.4        | 1015.8         | 14.6        | -6     | 11.8           | .3     | 8             | 49    | 5      | 4        | 285      | 101      |
| <b>33998 AI-PETRI</b>      | 4426N    | 03405E    | 1180      |           | 882.8        |                | 9.0         | -.5    | 8.1            |        | 8             | 126   | 58     | 5        | 253      | 90       |
| 34300 KHARKIV              | 4958N    | 03608E    | 155       |           | 997.6        | 1016.1         | 15.4        | -2     | 10.0           | -.2    | 8             | 46    | -1     | 3        | 259      | 109      |
| 34415 IZIUM                | 4911N    | 03718E    | 78        |           | 1006.9       | 1016.2         | 15.1        |        | 11.3           |        | 12            | 60    |        | 4        |          |          |

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| STATION                          | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 34504 DNIPROPETROVS'K            | 4836N    | 03458E    | 143       |           | 998.7        | 1016.0         | 15.1        | -9     | 11.3           |        | 10            | 72    | 26     | 5        | 224      | 85       |
| 34519 DONETS'K                   | 4804N    | 03746E    | 225       |           | 989.8        | 1016.5         | 15.0        | -5     | 10.2           |        | 7             | 36    | -16    | 3        |          |          |
| 34523 LUHANS'K                   | 4834N    | 03915E    | 62        |           | 1009.1       | 1016.5         | 16.1        | -2     | 11.4           |        | 5             | 27    | -17    | 1        | 275      | 100      |
| 34712 MARIUPOL'                  | 4702N    | 03730E    | 70        |           | 1008.1       | 1016.4         | 15.0        |        | 13.4           |        | 8             | 69    |        | 4        |          |          |
| <b>ISRAEL</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 40180 BEN-GURION INT. AIRPORT    | 3200N    | 03454E    | 49        |           | 1008.9       | 1013.0         | 21.6        |        | 15.7           |        | 0             | 0     |        | 3        |          |          |
| 40199 EILAT                      | 2933N    | 03457E    | 12        |           | 1010.1       | 1010.5         | 28.5        | .3     | 10.8           |        | 0             | 0     | -1     | 4        | 312      | 95       |
| <b>JORDAN</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 40250 H-4 'IRWAISHED'            | 3230N    | 03812E    | 683       |           | 933.1        | 1008.2         | 24.5        |        | 9.4            |        | 0             | T     |        | 2        | 319      | 100      |
| 40265 MAFRAQ                     | 3222N    | 03615E    | 683       |           | 936.0        | 1012.6         | 20.7        |        | 10.5           |        | 0             | 0     |        | 5        | 354      | 110      |
| 40296 GHOR SAFI                  | 3102N    | 03528E    | -350      |           | 1055.9       | 1014.8         | 28.5        |        | 19.1           |        | 0             | T     |        |          | 337      | 105      |
| 40310 MA'AN                      | 3010N    | 03547E    | 1069      |           | 892.8        | 1494 Y         | 21.9        | 1.1    | 8.5            | -3     | 0             | 0     | -2     | 0        | 315      | 98       |
| <b>ASIA</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>RUSSIAN FEDERATION (ASIA)</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 20069 OSTROV VIZE                | 7930N    | 07659E    | 10        |           | 1010.5       | 1011.8         | -7.8        | 2.8    | 3.3            | .7     | 6             | 15    | 5      | 4        | 206      | 118      |
| 20087 OSTROV GOLOMJANNYJ         | 7933N    | 09037E    | 8         |           | 1009.9       | 1011.0         | -8.5        |        | 3.0            |        |               | 2     |        | 1        | 263      | 95       |
| 20292 GMO IM.E.K. FEDOROVA       | 7743N    | 10410E    | 15        |           | 1008.8       | 1010.0         | -9.6        | 1.7    | 2.5            | .1     |               | 4     | -10    | 0        | 251      | 116      |
| 20476 MYS STERLEGOVA             | 7525N    | 08854E    | 11        |           | 1009.0       | 1010.4         | -8.7        |        | .3             |        | 7             | 16    |        |          |          |          |
| 20667 IM. M.V. POPOVA            | 7320N    | 07003E    | 7         |           | 1011.9       | 1012.6         | -5.7        |        | 3.7            |        | 3             | 10    |        |          |          |          |
| 20674 OSTROV DIKSON              | 7330N    | 08024E    | 47        |           | 1004.9       | 1010.9         | -7.0        | 2.1    | 3.3            | .5     | 9             | 30    | 11     | 5        | 110      | 59       |
| 20744 MALYE KARMAKULY            | 7222N    | 05242E    | 15        |           | 1012.4       | 1014.2         | -1.6        | 3.1    | 4.6            | 1.0    | 5             | 17    | -7     |          | 149      | 79       |
| 20891 HATANGA                    | 7159N    | 10220E    | 33        |           | 1005.3       | 1009.6         | -6.7        | 1.0    | 3.2            | .3     | 8             | 27    | 11     | 5        | 249      | 94       |
| 20982 VOLOCHANKA                 | 7058N    | 09430E    | 40        |           | 1005.6       | 1010.8         | -6.0        |        | 3.4            |        | 10            | 33    |        | 4        | 221      |          |
| 21432 OSTROV KOTEL'NYJ           | 7600N    | 13750E    | 8         |           | 1010.4       | 1012.4         | -9.0        | .6     | 3.0            | .2     | 4             | 13    | 0      |          | 248      | 126      |
| 21802 SASKYLAH                   | 7158N    | 11400E    | 18        |           | 1005.8       | 1008.2         | -7.1        |        | 3.4            |        | 6             | 14    |        |          | 246      |          |
| 21908 DZALINDA                   | 7008N    | 11350E    | 62        |           | 1002.0       | 1009.7         | -2.9        |        | 4.1            |        | 6             | 22    |        |          | 296      | 105      |
| 21921 KJUSJUR                    | 7041N    | 12720E    | 33        |           | 1005.5       | 1009.6         | -1.5        |        | 4.1            |        | 6             | 13    |        |          |          |          |
| 21931 JUBILEJNAJA                | 7046N    | 13610E    | 24        |           | 1009.2       | 1012.1         | -3.9        |        | 3.8            |        | 6             | 9     |        |          | 216      | 80       |
| 21946 CHOKURDAH                  | 7037N    | 14750E    | 61        |           | 1005.0       | 1012.8         | -4.4        | 1.3    | 3.3            | -2     | 2             | 6     | -6     |          | 328      | 125      |
| 21982 OSTROV VRANGELJA           | 7059N    | 17820E    | 5         |           | 1015.6       | 1016.2         | -5.0        | 1.8    | 4.2            | .9     | 5             | 25    | 17     |          | 208      | 105      |
| 23022 AMDERMA                    | 6945N    | 06142E    | 49        |           | 1008.9       | 1015.0         | -2.1        |        | 4.6            |        | 3             | 6     |        |          | 219      |          |
| 23032 MARESALE                   | 6943N    | 06648E    | 25        |           | 1011.9       | 1014.9         | -3.0        |        | 4.4            |        | 3             | 13    |        |          | 178      |          |
| 23058 ANTIPAJUTA                 | 6905N    | 07651E    | 3         |           | 1013.8       | 1014.2         | -5.2        |        | 3.8            |        | 5             | 15    |        |          |          |          |
| 23074 DUDINKA                    | 6924N    | 08610E    | 19        |           | 1009.7       | 1012.2         | -5.0        | 1.3    | 3.4            | .0     | 9             | 38    | 9      | 5        | 178      | 73       |
| 23205 NAR'JAN-MAR                | 6738N    | 05302E    | 12        |           | 1013.8       | 1015.3         | 2.6         | 3.1    | 4.5            | -4     | 4             | 14    | -17    | 1        | 106      | 57       |
| 23242 NOVYJ PORT                 | 6741N    | 07253E    | 12        |           | 1013.8       | 1015.4         | -3.5        |        | 4.3            |        | 6             | 19    |        |          | 174      |          |
| 23256 TAZOVSKOE                  | 6728N    | 07844E    | 8         |           | 1010.7       | 1014.3         | -3.9        |        | 3.6            |        | 11            | 32    |        |          |          |          |
| 23274 IGARKA                     | 6728N    | 08634E    | 31        |           | 1008.4       | 1012.3         | -2.1        |        | 3.9            |        | 8             | 46    |        | 5        | 253      | 95       |

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| STATION                  | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                          |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 23324 PETRUN'            | 6626N    | 06046E    | 62        |           | 1008.3       | 1016.0         | 2.3         |        | 5.4            |        | 9             | 45    |        | 4        | 218      | 105      |
| 23330 SALEHARD           | 6632N    | 06640E    | 16        |           | 1013.8       | 1016.0         | .0          | 1.8    | 4.7            | .3     | 4             | 19    | -13    |          | 227      | 97       |
| 23383 AGATA              | 6653N    | 09328E    | 278       |           | 976.0        | 1010.7         | -1.8        |        | 3.6            |        | 3             | 7     |        | 1        |          |          |
| 23405 UST'-CIL'MA        | 6526N    | 05216E    | 68        |           | 1006.0       | 1015.8         | 5.5         | 1.9    | 5.4            | -2     | 7             | 30    | -14    | 1        | 273      | 119      |
| 23445 NADYM              | 6528N    | 07240E    | 19        |           | 1013.0       | 1015.4         | .3          |        | 4.5            |        | 5             | 39    |        |          |          |          |
| 23463 YANOV-STAN         | 6559N    | 08416E    | 40        |           | 1011.7       | 1016.8         | .8          |        | 4.0            |        | 3             | 4     |        | 1        |          |          |
| 23472 TURUHANSK          | 6547N    | 08756E    | 38        |           | 1007.4       | 1012.1         | 1.1         | 1.0    | 4.1            | .0     | 5             | 16    | -16    | 1        | 272      | 109      |
| 23552 TARKO-SALE         | 6455N    | 07749E    | 27        |           | 1011.3       | 1014.7         | .0          | 1.2    | 4.2            | -1     | 6             | 15    | -21    | 0        | 200      | 90       |
| 23631 BEREZOVO           | 6356N    | 06503E    | 32        |           | 1011.8       | 1015.8         | 3.8         | .8     | 5.6            | .3     | 9             | 63    | 22     | 5        | 279      | 110      |
| 23662 TOL'KA             | 6359N    | 08205E    | 33        |           | 1009.7       | 1013.8         | 1.0         |        | 4.2            |        | 6             | 27    |        |          | 252      |          |
| 23678 VERHNEIMBATS       | 6309N    | 08757E    | 46        |           | 1006.7       | 1012.4         | 3.1         |        | 4.9            |        | 10            | 53    |        | 0        |          |          |
| 23711 TROICKO-PECHERSKOE | 6242N    | 05612E    | 139       |           | 998.4        | 1015.4         | 7.0         | 1.2    | 6.4            | .4     | 9             | 94    | 45     | 5        | 278      | 112      |
| 23724 NJAKSIMVOL'        | 6226N    | 06052E    | 51        |           | 1009.1       | 1015.4         | 6.1         | .2     | 6.5            | .5     | 10            | 64    | 16     |          | 256      | 100      |
| 23734 OKTJABR'SKOE       | 6227N    | 06603E    | 72        |           | 1006.3       | 1015.2         | 5.4         |        | 5.9            |        | 7             | 56    |        |          | 235      |          |
| 23867 LAR' YAK           | 6106N    | 08015E    | 57        |           | 1007.2       | 1014.2         | 4.1         |        | 5.5            |        | 9             | 41    |        |          | 272      |          |
| 23884 BOR                | 6136N    | 09001E    | 58        |           | 1004.6       | 1011.7         | 4.9         | .5     | 5.2            | .0     | 9             | 42    | -6     | 1        | 224      | 100      |
| 23891 BAJKIT             | 6140N    | 09622E    | 262       |           | 979.8        | 1011.7         | 4.2         | .4     | 4.8            | .0     | 10            | 44    | 2      | 3        | 234      | 99       |
| 23914 CHERDYN'           | 6024N    | 05631E    | 207       |           | 990.4        | 1015.4         | 9.1         | 1.1    | 7.8            | 1.2    | 12            | 85    | 33     | 5        | 230      | 85       |
| 23921 IVDEL'             | 6041N    | 06027E    | 95        |           | 1003.4       | 1015.0         | 7.9         | .4     | 6.5            | .8     | 11            | 94    | 47     | 5        | 236      | 96       |
| 23933 HANTY-MANSIJSK     | 6101N    | 06902E    | 46        |           | 1009.9       | 1015.7         | 6.5         | .2     | 6.0            | -3     | 8             | 50    | 9      |          | 255      | 102      |
| 23955 ALEKSANDROVSKOE    | 6026N    | 07752E    | 48        |           | 1008.9       | 1014.9         | 4.9         | -4     | 5.8            | -3     | 6             | 28    | -12    |          | 249      | 99       |
| 23966 VANZIL'-KYNAC      | 6021N    | 08405E    | 99        |           | 1001.1       | 1013.4         | 5.0         |        | 5.7            |        | 8             | 32    |        |          | 234      | 100      |
| 23986 SEVERO-ENISEJSK    | 6023N    | 09320E    | 519       |           | 949.7        | 1012.1         | 3.6         |        | 5.3            |        | 11            | 39    |        | 2        |          |          |
| 24125 OLENEK             | 6830N    | 11220E    | 220       |           | 982.1        | 1009.5         | 1.6         | 3.5    | 3.7            | .1     | 6             | 24    | 2      |          | 243      | 86       |
| 24136 SUHANA             | 6837N    | 11820E    | 77        |           | 1000.4       | 1010.0         | -.5         |        | 3.8            |        | 5             | 32    |        |          |          |          |
| 24143 DZARDZAN           | 6844N    | 12400E    | 39        |           | 1004.5       | 1009.3         | 2.2         | 2.6    | 4.3            | .3     | 6             | 16    | -2     |          |          |          |
| 24266 VERHOJANSK         | 6733N    | 13320E    | 137       |           | 992.6        | 1009.5         | 3.9         | 1.1    | 4.8            | .4     |               | 2     | -9     |          | 408      | 132      |
| 24329 SHELAGONTSY        | 6615N    | 11410E    | 236       |           | 980.4        | 1009.5         | 1.7         | 1.3    | 4.4            | .3     | 3             | 16    | -10    |          | 243      | 95       |
| 24343 ZHIGANSK           | 6646N    | 12320E    | 92        |           | 997.2        | 1008.7         | 2.3         | 1.1    | 4.2            | -1     | 4             | 9     | -11    |          | 252      | 83       |
| 24382 UST'-MOMA          | 6627N    | 14310E    | 196       |           | 984.9        | 1008.9         | 4.8         |        | 4.5            |        | 1             | 3     |        |          | 355      |          |
| 24507 TURA               | 6416N    | 10010E    | 168       |           | 987.6        | 1010.4         | 3.0         | .2     | 4.5            | .0     | 10            | 35    | 6      | 4        |          |          |
| 24606 KISLOKAN           | 6335N    | 10350E    | 211       |           | 984.2        | 1010.1         | 3.1         |        | 4.0            |        | 7             | 16    |        | 2        | 273      |          |
| 24641 VILJUJSK           | 6346N    | 12130E    | 111       |           | 994.9        | 1008.5         | 6.8         | 1.7    | 5.2            | .4     | 5             | 29    | 9      |          | 322      | 111      |
| 24661 SEGEN-KYUEL'       | 6400N    | 13010E    | 208       |           | 982.5        | 1007.7         | 1.1         |        | 5.8            |        | 3             | 14    |        |          |          |          |
| 24671 TOMPO              | 6357N    | 13550E    | 402       |           | 959.5        | 1007.9         | 4.9         |        | 5.0            |        | 5             | 19    |        |          | 272      |          |
| 24688 OJMJAKON           | 6315N    | 14300E    | 741       |           | 920.4        | 1008.0         | 2.9         | 1.0    | 4.5            | .3     | 0             | T     | -11    |          | 319      | 113      |
| 24713 NAKANNO            | 6253N    | 10820E    | 246       |           | 979.3        | 1009.3         | 4.6         |        | 5.0            |        | 13            | 13    |        |          | 294      |          |
| 24738 SUNTAR             | 6209N    | 11730E    | 133       |           | 991.5        | 1008.2         | 7.0         | 1.1    | 5.5            | .6     | 4             | 20    | 1      |          | 252      | 94       |
| 24790 SUSUMAN            | 6479N    | 14810E    | 655       |           | 930.5        | 1008.2         | 3.7         |        | 5.0            |        | 3             | 12    |        |          | 209      |          |
| 24817 ERBOGACEN          | 6116N    | 10800E    | 291       |           | 974.2        | 1009.6         | 5.4         | .7     | 4.8            | .0     | 9             | 32    | 1      |          | 272      | 106      |
| 24908 VANAVARA           | 6020N    | 10210E    | 260       |           | 978.8        | 1010.4         | 5.7         | .5     | 5.4            | .3     | 12            | 54    | 19     | 5        | 242      | 99       |
| 24959 JAKUTSK            | 6201N    | 12940E    | 101       |           | 995.1        | 1007.4         | 7.5         | .8     | 5.5            | .5     | 4             | 11    | -7     |          | 282      | 93       |
| 24966 UST'-MAJYA         | 6023N    | 13420E    | 170       |           | 986.4        | 1007.4         | 7.2         | .3     | 5.6            | .3     | 6             | 19    | -6     |          | 275      | 97       |
| 24967 TEGYULTYA          | 6028N    | 13000E    | 171       |           | 987.4        | 1008.2         | 6.7         |        | 5.3            |        | 6             | 22    |        |          |          |          |
| 25062 MYS BILLINGS       | 6953N    | 17540E    | 3         |           | 1013.4       | 1013.8         | -4.9        |        | 4.0            |        | 3             | 12    |        |          |          |          |
| 25138 OSTROVNOE          | 6807N    | 16410E    | 94        |           | 1000.0       | 1011.8         | 2.5         |        | 5.0            |        | 4             | 25    |        |          |          |          |

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| STATION                        | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 25173 MYS SHMIDTA              | 6854N    | 17920W    | 4         |           | 1014.8       | 1015.2         | -4.3        | 2.1    | 4.1            | .5     | 4             | 12    | -3     |          |          |          |
| 25206 SREDNE-KOLYMSK           | 6727N    | 15340E    | 21        |           | 1008.2       | 1010.9         | 1.0         |        | 4.6            |        | 5             | 20    |        |          |          |          |
| 25248 ILIRNEJ                  | 6715N    | 16750E    | 353       |           | 969.2        | 1013.2         | -1.2        | 1.5    | 3.7            | -2     | 2             | 8     | 1      |          |          |          |
| 25282 MYS VANKAREM             | 6750N    | 17050W    | 5         |           | 1015.3       | 1015.9         | -4.0        |        | 4.2            |        | 01            | 1     |        |          | 250      |          |
| 25325 UST'-OLOJ                | 6633N    | 15920E    | 127       |           | 995.1        | 1010.9         | 3.2         | 1.6    | 4.7            | .5     | 5             | 19    | 6      | 5        | 263      |          |
| 25378 EGVEKINOT                | 6621N    | 17900W    | 26        |           | 1013.3       | 1016.6         | -1.8        |        | 4.6            |        | 6             | 46    |        |          |          |          |
| 25399 MYS UELEN                | 6610N    | 16950W    | 3         |           | 1015.4       | 1015.8         | -3.7        | .4     | 4.4            | .2     | 5             | 12    | -9     |          | 236      | 149      |
| 25400 ZYRYANKA                 | 6544N    | 15050E    | 43        |           | 1004.8       | 1010.1         | 4.3         | 1.1    | 3.2            | -1.4   | 6             | 34    | 23     |          | 273      | 81       |
| 25428 OMOLON                   | 6514N    | 16030E    | 264       |           | 978.8        | 1010.8         | 2.0         |        | .5             |        | 6             | 19    |        |          | 224      |          |
| 25503 KORKODON                 | 6445N    | 15350E    | 98        |           | 996.5        | 1008.6         | 5.5         |        | 5.1            |        | 4             | 12    |        |          | 239      |          |
| 25538 VERHNEE PENZINO          | 6413N    | 16410E    | 326       |           | 971.7        | 1008.5         | 1.0         |        | 4.4            |        | 8             | 40    |        | 6        | 183      |          |
| 25551 MARKOVO                  | 6441N    | 17020E    | 26        |           | 1010.1       | 1013.2         | .7          | 1.7    | 5.0            | .5     | 5             | 35    | 17     |          | 255      | 93       |
| 25563 ANADYR'                  | 6447N    | 17730E    | 61        |           | 1007.2       | 1015.0         | -2.9        | -2     | 4.6            | .1     | 2             | 4     | -7     |          | 311      | 127      |
| 25594 BUHTA PROVIDENJA         | 6425N    | 17310W    | 40        |           | 1010.8       | 1015.9         | -1.8        | -1.2   | 4.3            | -4     | 6             | 30    | -14    |          |          |          |
| 25705 SREDNIKAN                | 6227N    | 15210E    | 260       |           | 976.2        | 1007.8         | 4.5         |        | 5.2            |        | 7             | 53    |        |          | 214      |          |
| 25927 BROHOVO                  | 5939N    | 15410E    | 5         |           | 1009.3       | 1010.0         | .6          |        | 5.6            |        | 9             | 43    |        | 0        | 150      |          |
| 25932 TAJGONOS                 | 6041N    | 16020E    | 30        |           | 1007.4       | 1011.3         | .3          |        | 4.8            |        | 7             | 33    |        |          | 141      |          |
| 28009 KIRS                     | 5922N    | 05213E    | 169       |           | 994.4        | 1014.8         | 10.0        |        | 7.6            |        | 16            | 60    |        | 4        |          |          |
| 28064 LEUSI                    | 5937N    | 06543E    | 72        |           | 1006.8       | 1015.7         | 9.2         | .9     | 7.4            | .7     | 7             | 88    | 53     | 5        | 275      | 105      |
| 28138 BISER                    | 5831N    | 05851E    | 463       |           | 960.4        | 1015.6         | 7.5         | .0     | 7.6            | 1.0    | 15            | 78    | 19     | 4        | 224      | 84       |
| 28224 PERM'                    | 5801N    | 05618E    | 171       |           | 994.4        | 1014.9         | 11.2        |        | 8.0            |        | 10            | 77    |        |          | 221      |          |
| 28255 TURINSK                  | 5803N    | 06341E    | 103       |           | 1003.0       | 1015.5         | 11.2        |        | 8.3            |        | 9             | 58    |        | 5        | 243      | 90       |
| 28275 TOBOL'SK                 | 5809N    | 06815E    | 50        |           | 1010.0       | 1016.2         | 10.0        | .6     | 7.3            | .0     | 6             | 41    | -3     | 5        | 247      | 93       |
| 28418 SARAPUL                  | 5628N    | 05344E    | 133       |           | 999.5        | 1015.5         | 12.8        |        | 9.3            |        | 12            | 58    |        | 4        | 296      | 105      |
| 28434 KRASNOUFIMSK             | 5639N    | 05747E    | 206       |           | 991.0        | 1015.6         | 11.7        | .8     | 8.6            | .7     | 10            | 63    |        | 5        | 271      | 105      |
| 28493 TARA                     | 5654N    | 07423E    | 73        |           | 1007.7       | 1016.6         | 9.9         | .1     | 6.6            | -3     | 7             | 20    | -22    | 1        | 285      | 106      |
| 28552 SADRINSK                 | 5604N    | 06339E    | 89        |           | 1005.0       | 1015.8         | 13.1        | 1.1    | 7.7            | .1     | 6             | 21    | -14    | 3        | 329      | 116      |
| 28573 ISHIM                    | 5606N    | 06926E    | 82        |           | 1006.8       | 1016.8         | 11.6        |        | 7.1            |        | 4             | 12    |        |          | 308      |          |
| 28666 MAKUSINO                 | 5515N    | 06718E    | 140       |           | 1003.8       | 1020.6         | 12.6        |        | 8.5            |        | 4             | 9     |        | 1        | 331      |          |
| 28698 OMSK                     | 5501N    | 07323E    | 122       |           | 1002.7       | 1017.5         | 11.9        | .1     | 6.9            | -2     | 2             | 18    | -15    |          | 337      | 119      |
| 28704 CULPANOVO                | 5430N    | 05025E    | 78        |           | 1007.2       | 1016.5         | 13.2        |        | 10.7           |        | 14            | 82    |        | 5        | 264      | 85       |
| 28722 UFA-DIOMA                | 5443N    | 05550E    | 104       |           | 1002.9       | 1015.4         | 13.4        | .2     | 8.7            | .0     | 10            | 75    | 37     |          | 278      | 99       |
| 28748 TROIZK                   | 5405N    | 06137E    | 192       |           | 994.0        | 1016.9         | 13.8        |        | 7.8            |        | 4             | 20    |        | 2        | 298      |          |
| 29111 SREDNY VASJUGAN          | 5913N    | 07814E    | 69        |           | 1006.9       | 1015.4         | 6.9         |        | 5.8            |        | 8             | 21    |        |          |          |          |
| 29231 KOLPASEVO                | 5819N    | 08257E    | 75        |           | 1005.3       | 1014.7         | 7.2         | .1     | 6.4            | -1     | 8             | 30    | -23    |          | 280      | 113      |
| 29263 ENISEJSK                 | 5827N    | 09209E    | 79        |           | 1003.7       | 1013.4         | 7.5         | .2     | 6.3            | .2     | 8             | 33    | -10    | 5        | 239      | 99       |
| 29282 BOGUCANY                 | 5823N    | 09727E    | 133       |           | 995.9        | 1012.2         | 7.8         | .6     | 6.1            | .3     | 7             | 23    | -10    | 2        | 222      | 91       |
| 29313 PUDINO                   | 5732N    | 07922E    | 97        |           | 1003.8       | 1015.7         | 8.0         |        | 6.4            |        | 7             | 27    |        |          | 283      |          |
| 29328 BAKCHAR                  | 5705N    | 08155E    | 110       |           | 1002.1       | 1015.6         | 8.4         |        | 5.7            |        | 5             | 31    |        |          | 248      |          |
| 29379 TASEEVO                  | 5712N    | 09433E    | 168       |           | 994.6        | 1015.0         | 8.0         |        | 5.6            |        | 4             | 26    |        |          |          |          |
| 29570 KRASNOJARSK OPYTNOE POLE | 5602N    | 09245E    | 276       |           | 981.9        | 1015.3         | 9.0         |        | 5.7            |        | 7             | 36    |        | 2        |          |          |
| 29594 TAJSHET                  | 5557N    | 09800E    | 307       |           | 977.6        | 1014.4         | 8.7         |        | 6.5            |        | 5             | 25    |        |          | 262      |          |
| 29612 BARABINSK                | 5520N    | 07822E    | 120       |           | 1002.5       | 1017.1         | 10.3        | -1     | 5.7            | -1.7   | 3             | 9     | -23    | 0        | 315      | 113      |
| 29645 KEMEROVO CGMS            | 5515N    | 08613E    | 148       |           | 998.5        | 1016.5         | 9.6         |        | 6.0            |        | 8             | 34    |        |          | 268      |          |
| 29752 NENASTNAYA               | 5445N    | 08849E    | 1183      |           | 879.7        | 1460 Y         | 2.9         |        | 4.5            |        | 11            | 91    |        | 1        | 230      | 100      |
| 29789 VERHNJAJA GUTARA         | 5413N    | 09658E    | 984       |           | 901.6        | 1016.3         | 4.2         |        | 4.9            |        | 10            | 31    |        |          | 194      |          |

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| STATION                         | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                 |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 29866 MINUSINSK                 | 5342N    | 09142E    | 254       |           | 986.2        | 1016.9         | 9.7         | -1.3   | 6.0            | -1.2   | 7             | 37    | 2      | 3        | 232      | 116      |
| 29939 BIJSK ZONAL'NAYA          | 5241N    | 08457E    | 228       |           | 990.9        | 1017.9         | 11.0        |        | 6.8            |        | 5             | 38    |        | 3        |          |          |
| 30054 VITIM                     | 5927N    | 11230E    | 190       |           | 987.4        | 1010.5         | 6.2         | .3     | 6.0            | .5     | 8             | 47    | 13     |          | 224      | 90       |
| 30089 DZHIKIMDA                 | 5901N    | 12140E    | 175       |           | 987.3        | 1008.6         | 5.9         |        | 6.1            |        | 15            | 92    |        |          |          |          |
| 30230 KIRENSK                   | 5746N    | 10800E    | 259       |           | 980.2        | 1011.5         | 7.4         | .8     | 5.7            | .1     | 6             | 34    | 1      |          | 231      | 92       |
| 30252 MAMAKAN                   | 5749N    | 11410E    | 249       |           | 980.9        | 1011.2         | 6.2         |        | 5.9            |        | 7             | 22    |        |          | 174      |          |
| 30309 BRATSK                    | 5617N    | 10140E    | 416       |           | 963.4        | 1013.3         | 6.7         | .1     | 4.7            | -1.0   | 8             | 28    | -2     |          | 230      | 92       |
| 30372 CHARA                     | 5654N    | 11810E    | 711       |           | 925.1        | 1009.0         | 5.6         | .9     | 5.0            | .2     | 12            | 102   | 65     | 6        | 212      | 87       |
| 30385 UST'-NJUKZHA              | 5635N    | 12120E    | 426       |           | 955.4        | 1006.0         | 6.2         |        | 5.8            |        | 10            | 55    |        |          | 184      |          |
| 30433 NIZHNEANGARSK             | 5547N    | 10930E    | 487       |           | 955.3        | 1013.2         | 4.1         | -.4    | 5.4            | -.4    | 6             | 23    | -6     | 2        | 246      | 104      |
| 30521 ZHIGALOVO                 | 5448N    | 10510E    | 426       |           | 963.3        | 1013.5         | 6.8         | -.6    | 5.7            | -.2    | 7             | 27    | 5      |          | 211      | 82       |
| 30554 BAGDARIN                  | 5428N    | 11330E    | 903       |           | 905.0        | 1008.8         | 5.2         | .2     | 4.6            | -.1    | 7             | 34    | 11     | 4        |          |          |
| 30612 BALAGANSK                 | 5400N    | 10300E    | 427       |           | 963.5        | 1014.7         | 6.5         |        | 6.2            |        | 6             | 17    |        |          | 209      |          |
| 30636 BARGUZIN                  | 5337N    | 10930E    | 489       |           | 954.4        | 1012.7         | 7.3         |        | 5.5            |        | 5             | 38    |        | 5        | 282      | 92       |
| 30650 ROMANOVKA                 | 5312N    | 11240E    | 923       |           | 903.0        | 1009.7         | 6.2         |        | 4.8            |        | 6             | 27    |        | 3        |          |          |
| 30673 MOGOCHA                   | 5345N    | 11940E    | 625       |           | 932.7        | 1005.6         | 9.4         | 2.3    | 5.9            | .7     | 5             | 15    | -16    | 2        | 264      | 104      |
| 30710 IRKUTSK                   | 5216N    | 10410E    | 469       |           | 958.5        | 1014.5         | 8.7         | -.6    | 5.4            | -.8    | 5             | 14    | -18    |          | 269      | 101      |
| 30758 CHITA                     | 5205N    | 11320E    | 671       |           | 930.5        | 1008.8         | 8.6         | .0     | 4.7            | -.1    | 5             | 34    | 11     | 5        | 272      | 98       |
| 30777 SRETENSK                  | 5214N    | 11740E    | 525       |           | 944.8        | 1006.4         | 10.2        |        | 4.5            |        | 3             | 10    |        | 2        | 295      | 113      |
| 30844 HILOK                     | 5121N    | 11020E    | 802       |           | 918.0        | 1011.6         | 6.3         |        | 4.8            |        | 4             | 25    |        | 4        |          |          |
| 30879 NERCHINSKIJ ZAVOD         | 5119N    | 11930E    | 619       |           | 934.2        | 1005.8         | 10.9        | 1.4    | 6.7            | .9     | 0             | T     | -29    | 0        | 308      | 110      |
| 30925 KJAHTA                    | 5022N    | 10620E    | 797       |           | 919.8        | 1012.2         | 8.6         |        | 6.1            |        | 6             | 111   |        | 6        | 268      | 96       |
| 30935 KRASNYY CHIKOJ            | 5022N    | 10840E    | 771       |           | 922.2        | 1011.9         | 7.6         |        | 5.1            |        | 7             | 24    |        | 4        | 240      | 85       |
| 30949 KYRA                      | 4934N    | 11150E    | 908       |           | 905.2        | 1009.6         | 8.0         | -1.3   | 5.3            | .2     | 5             | 14    | -11    | 2        | 249      | 84       |
| 30965 BORZYA                    | 5024N    | 11630E    | 676       |           | 929.3        | 1007.5         | 10.3        | .8     | 4.3            | -1.2   | 2             | 3     | -15    | 1        | 332      | 109      |
| 31004 ALDAN                     | 5837N    | 12520E    | 679       |           | 927.9        | 1007.9         | 5.0         | .5     | 5.5            | .6     | 12            | 55    | -1     |          | 208      | 84       |
| 31088 OHOTSK                    | 5922N    | 14310E    | 6         |           | 1008.7       | 1009.4         | 2.5         | 1.1    | 6.2            | .6     | 5             | 35    | -14    | 2        | 170      | 87       |
| 31137 TOKO                      | 5617N    | 13100E    | 850       |           | 908.4        | 1007.4         | 4.8         |        | 5.1            |        | 9             | 24    |        |          |          |          |
| 31152 NEL' KAN                  | 5739N    | 13600E    | 318       |           | 968.7        | 1007.3         | 5.0         |        | 4.7            |        | 3             | 11    |        |          | 252      |          |
| 31168 AYAN                      | 5627N    | 13800E    | 8         |           | 1008.7       | 1009.8         | 2.4         | .8     | 5.6            | .1     | 4             | 28    | -48    |          | 203      | 119      |
| 31174 BOL'SHOJ SHANTAR          | 5450N    | 13730E    | 21        |           | 1008.8       | 1010.0         | 2.7         |        | 5.6            |        | 3             | 7     |        |          | 257      | 110      |
| 31253 BOMNAK                    | 5443N    | 12850E    | 357       |           | 963.5        | 1005.5         | 9.0         | .7     | 5.8            | -.1    | 5             | 16    | -35    | 1        | 335      | 143      |
| 31329 EKIMCHAN                  | 5304N    | 13250E    | 542       |           | 944.3        | 1008.1         | 7.8         | 1.0    | 6.4            | .6     | 8             | 52    | -15    | 3        | 246      | 112      |
| 31369 NIKOLAEVSK-NA-AMURE       | 5309N    | 14040E    | 68        |           | 1001.1       | 1009.3         | 5.5         | .4     | 6.7            | .2     | 8             | 41    | -8     |          |          |          |
| 31416 IM POLINY OSIPENKO        | 5225N    | 13630E    | 73        |           | 1000.0       | 1008.8         | 9.4         | 1.4    | 6.6            | .2     | 9             | 38    | -1     |          | 275      | 111      |
| 31439 BOGORODSKOE               | 5223N    | 14020E    | 35        |           | 1004.9       | 1009.1         | 8.1         |        | 6.9            |        | 9             | 35    |        |          |          |          |
| 31478 SOFIJSKIJ PRIISK          | 5216N    | 13350E    | 902       |           | 904.0        | 1008.2         | 6.0         |        | 5.4            |        | 8             | 36    |        | 0        |          |          |
| 31707 EKATERINO-NIKOL'SKOE      | 4744N    | 13050E    | 73        |           | 1000.3       | 1008.9         | 14.2        | 2.1    | 8.3            | .0     | 4             | 14    | -40    |          | 300      | 126      |
| 31770 SOVETSKAYA GAVAN'         | 5100N    | 13950E    | 238       |           | 1007.2       | 1010.2         | 6.5         |        | 6.9            |        | 9             | 58    |        |          | 213      | 120      |
| 31829 ZOLOTOJ                   | 4719N    | 13850E    | 26        |           | 1007.5       | 1010.7         | 6.3         | 1.0    | 7.1            | -.2    | 7             | 43    | -39    |          |          |          |
| 31873 DAL'NERECHENSK            | 4552N    | 13340E    | 101       |           | 998.1        | 1010.0         | 14.5        |        | 9.5            |        | 5             | 46    |        |          |          |          |
| 31960 VLADIVOSTOK               | 4307N    | 13150E    | 183       |           | 989.3        | 1011.9         | 9.8         | .2     | 9.4            | .6     | 8             | 66    | 6      |          | 163      | 82       |
| 31989 PREOBRAZHENIE             | 4254N    | 13350E    | 43        |           | 1007.3       | 1012.5         | 8.9         |        | 8.8            |        | 5             | 27    |        |          |          |          |
| 32027 POGIBI                    | 5213N    | 14130E    | 6         |           | 1004.0       | 1004.9         | 2.6         |        | 6.7            |        | 10            | 36    |        |          |          |          |
| 32061 ALEKSANDROVSK-SAHALINSKIJ | 5054N    | 14210E    | 31        |           | 1006.7       | 1010.5         | 6.4         | .7     | 7.1            | .5     | 9             | 51    | 5      | 3        | 201      | 93       |
| 32076 POGRANICHNOE              | 5024N    | 14340E    | 8         |           | 1009.2       | 1010.2         | 3.1         |        | 6.5            |        | 5             | 39    |        | 2        | 189      | 105      |

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| STATION                      | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                              |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>32098 PORONAJSK</b>       | 4913N    | 14300E    | 8         |           | 1010.4       | 1011.4         | 5.4         | .5     | 7.4            | .4     | 8             | 67    | 0      | 3        | 197      | 104      |
| 32099 MYS TERPENIYA          | 4839N    | 14440E    | 6         |           | 1010.9       | 1011.7         | 1.9         |        | 6.5            |        | 5             | 24    |        |          |          |          |
| 32150 JUZHNO-SAHALINSK       | 4657N    | 14240E    | 24        |           | 1008.8       | 1011.7         | 7.5         | .6     | 7.6            | .0     | 9             | 60    | -9     | 0        | 253      | 128      |
| 32165 JUZHNO-KURIL'SK        | 4401N    | 14550E    | 49        |           | 1007.7       | 1013.7         | 5.8         | .5     | 7.7            | -.1    | 11            | 188   | 65     | 5        | 180      | 108      |
| 32213 MYS LOPATKA            | 5052N    | 15640E    | 47        |           | 1006.6       | 1012.9         | 1.6         |        | 6.0            |        | 10            | 42    |        | 2        |          |          |
| <b>32252 UST'-VOYAMPOLKA</b> | 5830N    | 15910E    | 7         |           | 1010.0       | 1010.9         | 1.4         | -.1    | 6.4            | .7     | 9             | 39    | 14     | 5        | 96       | 46       |
| 32287 UST'-HAJRJUZOVO        | 5705N    | 15640E    | 8         |           | 1009.2       | 1010.2         | 2.9         |        | 5.0            |        | 9             | 46    |        | 4        | 142      | 80       |
| <b>32389 KLJUCHI</b>         | 5619N    | 16050E    | 29        |           | 1007.4       | 1011.0         | 4.6         | -.1    | 6.2            | .6     | 5             | 39    | 1      | 3        | 179      | 81       |
| 32477 SOBOLEVO               | 5418N    | 15550E    | 14        |           | 1008.2       | 1011.3         | 2.9         |        | 6.6            |        | 10            | 64    |        | 4        | 93       | 60       |
| 32509 SEMYACHIK              | 5407N    | 15950E    | 27        |           | 1007.7       | 1011.1         | 3.4         |        | 6.5            |        | 9             | 80    |        | 3        | 155      | 80       |
| <b>32618 OSTROV BERINGA</b>  | 5512N    | 16550E    | 18        |           | 1011.0       | 1013.3         | 2.3         | .1     | 6.3            | .0     | 9             | 82    | 42     | 5        | 105      | 95       |
| 35011 SOROCHINSK             | 5226N    | 05308E    | 123       |           | 1002.0       | 1016.7         | 14.6        |        | 6.4            |        | 13            | 44    |        | 5        |          |          |
| 36038 ZMEINOGORSK            | 5109N    | 08212E    | 355       |           | 976.2        | 1018.5         | 11.0        |        | 7.0            |        | 7             | 26    |        |          | 290      |          |
| 36064 YAJLIU                 | 5146N    | 08736E    | 480       |           | 962.1        | 1019.5         | 7.9         |        | 7.2            |        | 14            | 153   |        |          | 220      |          |
| 36096 KYZYL                  | 5143N    | 09430E    | 628       |           | 942.5        | 1015.9         | 10.3        |        | 4.9            |        | 4             | 8     |        | 2        | 304      | 105      |
| 36229 UST'-KOKSA             | 5017N    | 08537E    | 978       |           | 905.6        | 1018.1         | 8.8         |        | 5.4            |        | 8             | 33    |        |          | 268      |          |
| 36259 KOSH-AGACH             | 5001N    | 08841E    | 1759      |           | 821.9        |                | 5.1         |        | 4.8            |        | 4             | 16    |        |          | 285      |          |
| 36307 ERZIN                  | 5016N    | 09507E    | 1101      |           | 890.6        | 1485 Y         | 10.4        |        | 4.2            |        | 1             | 5     |        | 0        |          |          |
| <b>KAZAKHSTAN</b>            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 28679 PETROPAVLOVSK          | 5450N    | 06909E    | 142       |           | 1000.1       | 1017.2         | 12.5        | .5     | 7.4            | -.2    | 5             | 25    | -7     | 3        | 268      | 93       |
| 28766 BLAGOVESHCHENKA        | 5422N    | 06658E    | 151       |           | 998.9        | 1017.0         | 13.0        |        | 8.0            |        | 4             | 14    |        | 2        |          |          |
| 28879 KOKSHETAY              | 5317N    | 06923E    | 229       |           | 990.4        | 1017.9         | 12.8        | .6     | 8.7            | 1.1    | 5             | 27    | -5     | 3        | 303      | 109      |
| <b>28952 KOSTANAY</b>        | 5313N    | 06337E    | 170       |           | 999.5        | 1017.6         | 14.4        | .8     | 8.3            | .3     | 3             | 14    | -12    |          | 342      | 116      |
| 28966 RUZAEVKA               | 5249N    | 06658E    | 227       |           | 990.6        | 1017.6         | 13.1        |        | 9.4            |        | 9             | 42    |        |          |          |          |
| <b>29807 IRTYSHSK</b>        | 5321N    | 07527E    | 94        |           | 1006.9       | 1018.5         | 12.9        | .0     | 7.0            | -.5    | 1             | 2     | -24    |          |          |          |
| 35067 ESIL'                  | 5153N    | 06620E    | 221       |           | 991.5        | 1018.0         | 14.0        |        | 8.2            |        | 6             | 33    |        | 4        |          |          |
| <b>35078 ATBASAR</b>         | 5149N    | 06822E    | 304       |           | 982.1        | 1018.2         | 13.2        | .5     | 8.2            | .5     | 4             | 28    | -3     | 3        | 278      | 95       |
| 35108 URALSK                 | 5115N    | 05117E    | 37        |           | 1012.4       | 1016.8         | 15.5        | -.6    | 10.3           | 1.4    | 9             | 45    | 24     | 5        | 310      | 99       |
| 35188 ASTANA                 | 5108N    | 07122E    | 350       |           | 977.0        | 1018.2         | 14.0        | .9     | 7.7            | .2     | 5             | 29    | -4     | 4        |          |          |
| 35217 DZHAMBETTY             | 5015N    | 05234E    | 32        |           | 1013.7       | 1017.3         | 16.2        |        | 9.1            |        | 2             | 8     |        |          |          |          |
| 35229 AKTOBE                 | 5017N    | 05709E    | 219       |           | 991.6        | 1017.4         | 15.4        | .0     | 9.5            | 1.1    | 6             | 44    | 17     | 5        | 306      | 98       |
| 35376 BERLIK                 | 4953N    | 06931E    | 349       |           | 976.3        | 1017.5         | 14.3        |        | 7.6            |        | 4             | 10    |        |          | 352      |          |
| <b>35394 KARAGANDA</b>       | 4948N    | 07309E    | 553       |           | 953.7        | 1018.2         | 13.1        | .0     | 6.9            | -.5    | 4             | 9     | -26    |          | 345      | 116      |
| 35406 TAIPAK                 | 4903N    | 05152E    | 2         |           | 1017.2       | 1017.4         | 16.9        | -1.1   | 9.1            | .3     | 3             | 15    | 0      |          | 330      | 103      |
| <b>35416 UIL</b>             | 4904N    | 05441E    | 128       |           | 1006.4       | 1017.9         | 16.6        | -.6    | 9.0            | .5     | 6             | 26    | 8      | 3        | 109      | 34       |
| 35426 TEMIR                  | 4909N    | 05707E    | 234       |           | 990.3        | 1018.0         | 15.6        |        | 9.5            |        | 7             | 60    |        | 5        |          |          |
| 35671 ZHEZKAZGAN             | 4748N    | 06743E    | 346       |           | 976.3        | 1016.6         | 16.7        |        | 6.8            |        | 2             | 31    |        |          | 364      |          |
| 35700 ATYRAU                 | 4707N    | 05155E    | -22       |           | 1019.3       | 1017.0         | 18.1        | -1.0   | 11.0           | 1.7    | 3             | 18    | 5      |          | 326      | 105      |
| 35746 ARALSKOE MORE          | 4647N    | 06139E    | 62        |           | 1009.1       | 1016.6         | 19.5        | 1.2    | 7.8            | -1.1   | 0             | 0     | -11    | 1        | 371      | 110      |
| <b>35796 BALHASH</b>         | 4648N    | 07505E    | 350       |           | 976.2        | 1017.2         | 16.1        | .0     | 8.2            | -1.2   | 2             | 4     | -14    |          | 387      | 116      |
| <b>35849 KAZALINSK</b>       | 4546N    | 06207E    | 68        |           | 1008.3       | 1016.3         | 20.0        | .7     | 8.1            | -.6    | 1             | 5     | -4     | 3        | 385      | 114      |
| <b>35925 SAM</b>             | 4524N    | 05607E    | 88        |           | 1006.2       | 1016.6         | 19.9        | .5     | 9.2            | .4     | 2             | 10    | -4     |          |          |          |
| 35953 DZHUSALY               | 4530N    | 06405E    | 103       |           | 1003.1       | 1015.1         | 20.2        |        | 7.5            |        | 1             | 3     |        | 2        |          |          |
| 36003 PAVLODAR               | 5218N    | 07656E    | 122       |           | 1003.5       | 1018.2         | 12.7        |        | 7.7            |        | 4             | 12    |        | 2        | 328      |          |
| <b>36177 SEMIPALATINSK</b>   | 5025N    | 08018E    | 196       |           | 994.8        | 1018.1         | 13.5        | -.5    | 7.0            | -.5    | 4             | 7     | -20    | 1        | 354      | 117      |

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| STATION                      | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                              |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 36208 LENINOGORSK            | 5020N    | 08333E    | 811       |           | 923.6        | 1017.2         | 9.9         | -7     | 6.1            | -1.2   | 5             | 28    |        | 1        |          |          |
| 36428 BOL'SHE NARYMSKOE      | 4912N    | 08431E    | 401       |           | 969.2        | 1016.6         | 13.0        |        | 7.4            |        | 7             | 20    |        |          | 355      | 115      |
| <b>36535 KOKPEKTY</b>        | 4845N    | 08222E    | 512       |           | 957.7        | 1017.5         | 12.7        | -1     | 7.3            | -5     | 0             | 0     | -33    |          | 374      | 126      |
| <b>36859 ZHARKENT</b>        | 4410N    | 08004E    | 645       |           | 941.0        | 1013.1         | 19.2        | .7     | 9.9            | .4     | 1             | 15    | -3     |          | 324      | 114      |
| <b>36870 ALMATY</b>          | 4314N    | 07656E    | 851       |           | 919.9        | 1015.0         | 17.5        | 1.2    | 10.9           | .6     | 10            | 75    | -31    | 2        | 190      | 79       |
| <b>38001 FORT SHEVCHENKO</b> | 4433N    | 05015E    | -25       |           | 1019.3       | 1016.5         | 16.9        | -1.4   | 15.4           | 2.7    | 1             | 3     | -17    |          |          |          |
| 38062 KYZYLORDA              | 4451N    | 06530E    | 130       |           | 1000.0       | 1014.9         | 21.1        | 1.2    | 8.0            | -8     | 0             | T     | -13    | 1        |          |          |
| 38069 CHILI                  | 4410N    | 06645E    | 153       |           | 996.7        | 1014.5         | 21.0        |        | 8.1            |        | 2             | 2     |        | 3        |          |          |
| 38198 TURKESTAN              | 4316N    | 06813E    | 207       |           | 988.7        | 1012.7         | 22.8        | 2.2    | 8.9            | -8     | 0             | T     | -21    |          |          |          |
| 38328 SHYMKENT               | 4219N    | 06942E    | 604       |           | 944.6        | 1012.4         | 20.8        |        | 11.8           |        | 7             | 33    |        | 2        |          |          |
| 38334 AUL TURARA RYSKULOVA   | 4229N    | 07018E    | 808       |           | 922.8        | 1012.8         | 19.1        |        | 11.0           |        | 9             | 22    |        | 1        |          |          |
| 38341 ZHAMBYL                | 4251N    | 07123E    | 655       |           | 940.3        | 1014.0         | 18.6        |        | 11.3           |        | 5             | 16    |        | 2        | 298      |          |
| 38343 KULAN                  | 4257N    | 07245E    | 683       |           | 935.5        | 1012.8         | 17.7        |        | 11.7           |        | 4             | 15    |        | 2        |          |          |
| 38439 CHARDARA               | 4122N    | 06800E    | 275       |           | 980.9        | 1012.2         | 23.6        |        | 12.2           |        | 2             | 8     |        |          |          |          |
| <b>TURKMENISTAN</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>38507 TURKMENBASHI</b>    | 4003N    | 05300E    | 82        |           | 1006.3       | 1016.1         | 18.9        | -7     | 13.4           | 1.9    | 4             | 7     | -9     |          | 330      | 109      |
| 38545 DARGANATA              | 4028N    | 06217E    | 142       |           | 996.9        | 1013.3         | 23.2        |        | 11.3           |        | 1             | 3     |        |          |          |          |
| 38687 CHARDZHEV              | 3905N    | 06336E    | 190       |           | 990.4        | 1012.5         | 24.8        | 1.5    | 11.3           | .2     | 0             | 0     | -8     |          | 339      | 103      |
| <b>UZBEKISTAN</b>            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 38178 AK-BAJTAL              | 4309N    | 06420E    | 234       |           | 987.3        | 1014.2         | 22.0        | .8     | 8.3            | -6     | 1             | 1     | -11    | 1        | 296      | 90       |
| <b>38262 CHIMBAJ</b>         | 4257N    | 05949E    | 66        |           | 1007.3       | 1015.1         | 21.4        | .9     | 11.8           | .3     | 1             | 4     | -11    | 1        | 326      | 103      |
| 38396 URGENCH                | 4134N    | 06034E    | 101       |           | 1003.0       | 1014.8         | 22.0        |        | 8.9            |        | 01            | 1     |        | 2        |          |          |
| 38403 BUZAUBAJ               | 4145N    | 06228E    | 98        |           | 1004.1       | 1014.8         | 23.7        |        | 10.4           |        | 0             | 0     |        | 0        |          |          |
| <b>38413 TAMDY</b>           | 4144N    | 06437E    | 237       |           | 986.7        | 1013.9         | 24.1        | 1.5    | 8.0            | -1.1   | 0             | 0     | -13    | 0        | 331      | 104      |
| <b>38457 TASHKENT</b>        | 4116N    | 06916E    | 488       |           | 956.7        | 1011.6         | 23.2        | 2.8    | 12.1           | .0     | 2             | 21    | -11    | 2        | 320      | 106      |
| 38611 NAMANGAN               | 4059N    | 07135E    | 474       |           | 958.7        | 1012.0         | 23.5        |        | 14.3           |        | 5             | 17    |        | 3        | 316      | 110      |
| 38618 FERGANA                | 4022N    | 07145E    | 577       |           | 945.7        | 1010.6         | 22.6        | 1.7    | 15.6           | 3.3    | 5             | 38    | 19     | 4        | 275      | 100      |
| 38683 BUHARA                 | 3943N    | 06437E    | 226       |           | 985.9        | 1011.3         | 24.7        |        | 8.2            |        | 1             | 1     |        | 1        |          |          |
| 38696 SAMARKAND              | 3934N    | 06657E    | 724       |           | 930.6        | 1010.6         | 23.0        | 3.5    | 13.5           | 2.0    | 01            | 1     | -32    | 1        | 316      | 100      |
| 38812 KARSHI                 | 3848N    | 06543E    | 376       |           | 967.6        | 1009.7         | 26.4        |        | 16.0           |        | 0             | T     |        | 0        |          |          |
| 38927 TERMEZ                 | 3714N    | 06716E    | 310       |           | 973.7        | 1008.4         | 27.6        | 4.0    | 13.0           | .3     | 0             | T     | -11    | 0        | 383      | 115      |
| <b>SAUDI ARABIA</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 40356 TURAIF                 | 3141N    | 03844E    | 855       |           | 915.1        | 1490 Y         | 25.2        |        | 7.8            |        | 1             | 1     |        |          | 304      |          |
| 40357 ARAR                   | 3054N    | 04108E    | 555       |           | 947.5        |                | 27.8        |        | 11.0           |        | 4             | 8     |        |          |          |          |
| 40360 GURIAT                 | 3124N    | 03717E    | 509       |           | 952.9        | 1008.4         | 24.6        |        | 8.9            |        | 0             | 0     |        |          |          |          |
| <b>40361 AL-JOUF</b>         | 2947N    | 04006E    | 689       |           | 934.8        | 1007.7         | 28.0        |        | 9.1            |        | 3             | 3     |        |          |          |          |
| 40362 RAFHA                  | 2937N    | 04329E    | 449       |           | 958.0        | 1006.6         | 30.3        |        | 14.7           |        | 4             | 13    |        |          | 162      |          |
| 40373 AL-QAISUMAH            | 2819N    | 04608E    | 358       |           | 966.4        | 1005.5         | 32.7        |        | 9.1            |        | 1             | 2     |        |          |          |          |
| 40375 TABUK                  | 2823N    | 03636E    | 778       |           | 924.7        | 1008.0         | 26.9        |        | 11.5           |        | 1             | 6     |        |          | 313      |          |
| <b>40394 HAIL</b>            | 2726N    | 04141E    | 1015      |           | 900.4        | 1503 Y         | 27.6        |        | 9.9            |        | 11            | 403   |        |          | 274      |          |
| 40405 GASSIM                 | 2618N    | 04346E    | 648       |           | 936.6        | 1006.4         | 31.5        |        | 11.8           |        | 3             | 17    |        |          |          |          |

# SURFACE

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| STATION                             | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                     |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 40410 KHAYBER                       | 2540N    | 03918E    | 754       |           | 924.4        | 1006.5         | 36.0        |        | 9.3            |        | 0             | 0     |        |          |          |          |
| 40417 K.F.I.A. (KING FAHAD INT. AI  | 2627N    | 04949E    | 22        |           | 1004.3       | 1005.7         | 33.3        |        | 10.2           |        | 0             | 0     |        |          |          |          |
| 40420 AL-AHSA                       | 2518N    | 04929E    | 179       |           | 986.2        | 1005.7         | 34.7        |        | 15.6           |        | 0             | 0     |        |          |          |          |
| <b>40430 AL-MADINAH</b>             | 2433N    | 03942E    | 654       |           | 937.1        | 1005.4         | 32.1        | -1     | 10.0           | 4.3    | 3             | 19    | 15     |          | 260      |          |
| 40437 KING KHALED INT. AIRPORT      | 2456N    | 04643E    | 614       |           | 940.1        | 1006.0         | 33.1        |        | 9.9            |        | 0             | 0     |        |          | 216      |          |
| <b>40438 RIYADH OBS. (O.A.P.)</b>   | 2442N    | 04644E    | 635       |           | 940.1        | 1006.5         | 34.1        | 2.6    | 9.7            | .4     | 0             | 0     | -7     |          | 208      |          |
| 41030 MAKKAH                        | 2126N    | 03946E    | 240       |           | 979.5        | 1005.7         | 34.4        |        | 16.0           |        |               |       |        |          |          |          |
| 41036 AL-TAIF                       | 2129N    | 04033E    | 1478      |           | 855.2        | 1005.7         | 24.8        | -7     | 12.1           | 2.9    | 12            | 108   | 78     |          | 262      |          |
| 41055 AL-BAHA                       | 2018N    | 04139E    | 1672      |           | 836.0        | 1501 Y         | 24.9        |        | 12.8           |        | 8             | 63    |        |          | 244      |          |
| 41084 BISHA                         | 1959N    | 04238E    | 1167      |           | 883.5        | 1500 Y         | 29.9        |        | 11.7           |        | 2             | 8     |        |          | 275      |          |
| 41112 ABHA                          | 1814N    | 04239E    | 2093      |           | 795.0        | 1505 Y         | 21.5        |        | 12.3           |        | 11            | 26    |        |          | 251      |          |
| 41114 KHAMIS MUSHAIT                | 1818N    | 04248E    | 2066      |           | 798.3        | 1502 Y         | 22.3        |        | 13.4           |        | 10            | 65    |        |          | 269      |          |
| 41128 NAJRAN                        | 1737N    | 04425E    | 1214      |           | 878.2        | 1499 Y         | 31.0        |        | 9.3            |        | 0             | 0     |        |          | 226      | 110      |
| 41140 GIZAN                         | 1653N    | 04235E    | 7         |           | 1005.4       | 1006.2         | 32.7        |        | 30.1           |        | 0             | 0     |        |          |          |          |
| <b>BAHRAIN</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>41150 BAHRAIN (INT. AIRPORT)</b> | 2616N    | 05039E    | 2         |           | 1005.3       | 1005.5         | 31.9        | 1.9    | 21.7           | -3.3   | 0             | 0     | -1     | 2        | 319      | 104      |
| <b>UNITED ARAB EMIRATES</b>         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 41217 ABU DHABI INTER. AIRPORT      | 2426N    | 05439E    | 27        |           | 1002.5       | 1005.3         | 31.0        | .6     | 22.1           | 1.2    | 0             | 0     | -T     | 5        | 346      | 98       |
| <b>OMAN</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 41268 SUR                           | 2232N    | 05928E    | 14        |           | 1002.8       | 1004.4         | 35.3        |        | 17.9           |        | 1             | 2     |        |          |          |          |
| <b>41288 MASIRAH</b>                | 2040N    | 05854E    | 19        |           | 1004.5       | 1006.8         | 29.9        |        | 29.0           |        | 0             | 0     |        | 5        |          |          |
| 41314 THUMRAIT                      | 1740N    | 05401E    | 467       |           | 956.8        | 1010.0         | 31.4        |        | 16.4           |        | 0             | 0     |        | 5        |          |          |
| <b>41316 SALALAH</b>                | 1702N    | 05405E    | 23        |           | 1004.6       | 1007.2         | 30.0        |        | 29.8           |        | 0             | 0     |        |          | 278      |          |
| <b>PAKISTAN</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 41515 DROSH                         | 3534N    | 07147E    | 1465      |           |              | 1457 Y         | 27.5        | 5.4    | 7.1            |        | 2             | 9     | -58    | 1        |          |          |
| 41530 PESHAWAR                      | 3401N    | 07135E    | 360       |           | 961.2        | 999.0          | 32.7        | 4.1    | 19.0           |        | 1             | 6     | -21    | 2        |          |          |
| <b>41560 PARACHINAR</b>             | 3352N    | 07005E    | 1726      |           |              | 1462 Y         | 24.4        | 4.1    | 10.7           |        | 8             | 32    | -33    | 1        |          |          |
| 41571 ISLAMABAD AIRPORT             | 3337N    | 07306E    | 508       |           |              | 1000.9         | 31.5        | 4.0    | 17.6           |        | 4             | 76    | 37     | 5        |          |          |
| 41594 SARGODHA                      | 3203N    | 07240E    | 188       |           |              | 1000.2         | 34.1        |        | 21.7           |        | 4             | 72    |        | 5        |          |          |
| 41598 JHELUM                        | 3256N    | 07343E    | 234       |           | 974.8        | 1000.1         | 33.1        | 3.0    | 19.3           |        | 3             | 33    | 2      | 4        |          |          |
| 41600 SIALKOT                       | 3230N    | 07432E    | 256       |           | 972.1        | 1000.4         | 32.2        | 2.2    | 20.7           |        | 0             | 0     | -28    | 1        |          |          |
| <b>41620 ZHOB</b>                   | 3121N    | 06928E    | 1407      |           | 853.4        | 1441 Y         | 29.8        | 4.8    | 9.5            |        | 1             | 18    | 4      | 3        |          |          |
| 41624 DERA ISMAIL KHAN              | 3149N    | 07055E    | 173       |           | 980.5        | 999.4          | 33.8        | 2.9    | 23.6           |        | 1             | 38    | 21     | 5        |          |          |
| <b>41640 LAHORE CITY</b>            | 3133N    | 07420E    | 215       |           | 976.5        | 1000.0         | 33.9        | 2.7    | 21.5           |        | 4             | 22    | 0      | 4        |          |          |
| 41660 QUETTA AIRPORT                | 3015N    | 06653E    | 1589      |           | 839.0        | 1473 Y         | 27.2        | 6.2    | 14.1           |        | 1             | 2     | -4     | 3        |          |          |
| 41675 MULTAN                        | 3012N    | 07126E    | 123       |           | 986.1        | 1000.2         | 36.0        | 3.6    | 19.0           |        | 1             | 2     | -7     | 3        |          |          |
| 41685 BARKHAN                       | 2953N    | 06943E    | 1098      |           |              | 1447 Y         | 30.3        | 1.7    | 12.8           |        | 3             | 151   | 134    | 6        |          |          |
| 41710 NOKKUNDI                      | 2849N    | 06245E    | 683       |           | 928.0        | 999.7          | 35.9        | 4.7    | 10.0           |        | 1             | 1     | 0      | 5        |          |          |
| <b>41712 DAL BANDIN</b>             | 2853N    | 06424E    | 850       |           | 911.3        | 1474 Y         | 35.1        | 5.9    | 8.0            |        | 0             | 0     | -2     | 3        |          |          |



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| STATION                           | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 41715 JACOBABAD                   | 2818N    | 06828E    | 56        |           | 993.1        | 999.3          | 37.9        | 3.0    | 22.0           |        | 0             | 0     | -1     | 4        |          |          |
| 41718 KHANPUR                     | 2839N    | 07041E    | 88        |           | 989.5        | 999.1          | 35.6        | 3.1    | 22.2           |        | 0             | 0     | -5     | 3        |          |          |
| 41739 PANJGUR                     | 2658N    | 06406E    | 981       |           | 897.2        | 1461 Y         | 32.6        | 4.1    | 13.5           |        | 0             | 0     | -3     | 3        |          |          |
| 41744 KHUZDAR                     | 2750N    | 06638E    | 1232      |           | 870.3        | 1446 Y         | 31.9        | 3.8    | 8.7            |        | 1             | 1     | -12    | 3        |          |          |
| 41749 NAWABSHAH                   | 2615N    | 06822E    | 38        |           | 997.0        | 999.7          | 35.9        | 1.8    | 21.8           |        | 0             | 0     | -1     | 4        |          |          |
| 41756 JIWANI                      | 2504N    | 06148E    | 57        |           | 996.8        | 1003.0         | 30.2        | .7     | 29.6           |        | 0             | 0     | -1     | 5        |          |          |
| <b>41759 PASNI</b>                | 2516N    | 06329E    | 6         |           | 1000.4       | 1000.7         | 29.9        |        | 32.0           |        | 0             | 0     | 0      | 5        |          |          |
| 41768 CHHOR                       | 2531N    | 06947E    | 6         |           | 1000.9       | 1001.7         | 33.4        | .4     | 26.9           |        | 0             | 0     | -3     | 4        |          |          |
| 41780 KARACHI AIRPORT             | 2454N    | 06708E    | 22        |           | 1001.0       | 1003.7         | 30.5        | .0     | 30.1           |        | 0             | 0     | 0      | 5        |          |          |
| <b>INDIA</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>42027 SRINAGAR</b>             | 3405N    | 07450E    | 1587      |           | 838.5        | 1467 Y         | 20.7        | 3.0    | 14.2           |        | 5             | 26    | -42    | 1        | 255      |          |
| 42071 AMRITSAR                    | 3138N    | 07452E    | 234       |           | 974.6        | 1000.1         | 32.5        | 2.6    | 20.3           |        | 3             | 14    | -11    | 3        | 280      | 95       |
| <b>42165 BIKANER</b>              | 2800N    | 07318E    | 224       |           | 975.1        | 999.7          | 36.9        | 2.6    | 19.9           |        | 6             | 23    | -8     | 4        |          |          |
| <b>42182 NEW DELHI/SAFDARJUNG</b> | 2835N    | 07712E    | 216       |           | 976.1        | 1000.5         | 32.1        | -.4    | 23.7           |        | 4             | 57    | 32     | 5        | 181      | 69       |
| 42314 DIBRUGARH /MOHANBARI        | 2729N    | 09501E    | 111       |           | 993.3        | 1005.7         | 26.3        | .5     | 26.1           |        |               |       |        |          | 184      |          |
| 42339 JODHPUR                     | 2618N    | 07301E    | 224       |           | 977.2        | 1000.9         | 23.9        |        | 19.5           |        | 0             | 0     |        |          |          |          |
| 42404 DHUBRI                      | 2601N    | 08959E    | 36        |           | 1000.9       | 1004.8         | 26.7        |        | 29.7           |        | 16            | 264   |        | 1        |          |          |
| <b>42410 GUWAHATI</b>             | 2606N    | 09135E    | 54        |           | 998.5        | 1004.6         | 28.1        | 1.4    | 27.7           |        | 14            | 290   | 64     | 5        | 199      | 104      |
| 42452 KOTA AERODROME              | 2509N    | 07551E    | 274       |           | 971.3        | 1000.5         | 37.3        | 1.6    | 15.0           |        | 2             | 5     | -9     | 3        |          |          |
| 42619 SILCHAR                     | 2445N    | 09248E    | 29        |           | 1001.9       | 1005.5         | 27.8        |        | 29.7           |        | 18            | 429   |        | 3        |          |          |
| 42647 AHMADABAD                   | 2304N    | 07238E    | 55        |           | 997.9        | 1004.1         | 34.2        | .3     | 24.5           |        | 0             | 0     | -20    | 3        | 313      | 95       |
| <b>42671 SAGAR</b>                | 2351N    | 07845E    | 551       |           | 942.2        | 1000.9         | 33.7        | .2     | 18.5           |        | 5             | 34    | 18     | 5        |          |          |
| <b>42731 DWARKA</b>               | 2222N    | 06905E    | 11        |           | 1004.7       | 1005.9         | 29.7        | .3     | 34.3           |        | 0             | 0     | -1     | 4        |          |          |
| 42754 INDORE                      | 2243N    | 07548E    | 567       |           | 941.1        | 1001.6         | 32.9        | .5     | 16.6           |        | 3             | 44    | 33     | 5        | 295      | 90       |
| 42807 CALCUTTA/ALIPORE            | 2232N    | 08820E    | 6         |           | 1003.1       | 1003.8         | 30.9        | .2     | 31.1           |        | 10            | 116   | -26    | 3        | 190      | 84       |
| 42867 NAGPUR SONEGAON             | 2106N    | 07903E    | 310       |           | 968.1        | 1001.5         | 34.5        | -.6    | 20.5           |        | 5             | 51    | 33     | 5        | 288      | 98       |
| 42909 VERAVAL                     | 2054N    | 07022E    | 8         |           | 1005.3       | 1006.3         | 30.1        | 1.5    | 34.9           |        | 0             | 0     | -1     | 4        |          |          |
| 42933 AKOLA                       | 2042N    | 07702E    | 282       |           | 972.0        | 1002.5         | 34.9        | .0     | 21.1           |        | 7             | 56    | 46     | 5        |          |          |
| 42971 BHUBANESHWAR                | 2015N    | 08550E    | 46        |           | 998.7        | 1003.7         | 31.5        | -.2    | 32.2           |        | 4             | 99    | 32     | 4        | 209      | 86       |
| <b>43041 JAGDALPUR</b>            | 1905N    | 08202E    | 553       |           | 944.1        | 1003.8         | 29.8        | -1.4   | 27.1           |        | 10            | 90    | 0      | 4        |          |          |
| 43057 BOMBAY / COLABA             | 1854N    | 07249E    | 11        |           | 1005.8       | 1006.9         | 30.5        | .3     | 31.4           |        | 1             | 128   | 116    | 5        | 248      | 84       |
| <b>43063 PUNE</b>                 | 1832N    | 07351E    | 559       |           | 944.5        | 1004.9         | 30.2        | .5     | 20.2           |        | 3             | 65    | 25     | 5        | 273      | 86       |
| <b>43128 HYDERABAD AIRPORT</b>    | 1727N    | 07828E    | 545       |           | 945.2        | 1003.5         | 32.0        | -1.0   | 22.4           |        | 4             | 100   | 60     | 5        | 281      | 100      |
| 43150 CWC VISHAKHAPATNAM/WALTAIR  | 1742N    | 08318E    | 66        |           | 997.4        | 1004.8         | 29.9        |        | 33.0           |        | 7             | 81    |        |          | 196      | 85       |
| 43185 MACHILIPATNAM/FRANCHPET     | 1612N    | 08109E    | 3         |           | 1003.7       | 1004.1         | 32.4        | .0     | 33.1           |        | 3             | 99    | 79     | 5        | 239      |          |
| 43192 GOA/PANJIM                  | 1529N    | 07349E    | 60        |           | 1000.5       | 1007.2         | 29.4        | -.6    | 32.0           |        | 8             | 417   | 361    | 5        | 234      | 79       |
| 43198 BELGAUM/SAMBRE              | 1551N    | 07437E    | 758       |           | 924.7        | 1005.4         | 27.9        | .1     | 22.7           |        | 10            | 209   | 126    | 5        |          |          |
| <b>43279 CHENNAI/MINAMBAKKAM</b>  | 1300N    | 08011E    | 16        |           | 1003.3       | 1005.1         | 32.9        | .0     | 30.2           |        | 1             | 15    | -24    | 3        | 239      | 86       |
| 43284 BAJPE                       | 1255N    | 07453E    | 102       |           | 996.3        | 1007.7         | 28.7        |        | 29.7           |        | 12            | 575   |        |          | 202      | 90       |
| <b>43295 BANGALORE</b>            | 1258N    | 07735E    | 921       |           | 906.7        | 1486 Y         | 26.9        | -.5    | 21.5           |        | 11            | 164   | 60     | 5        | 173      | 72       |
| 43314 KOZHIKODE                   | 1115N    | 07547E    | 5         |           | 1008.1       | 1008.7         | 29.0        | -.1    | 31.6           |        | 14            | 637   | 395    | 5        |          |          |
| <b>43333 PORT BLAIR</b>           | 1140N    | 09243E    | 79        |           | 999.6        | 1008.4         | 27.3        | .1     | 30.4           |        | 18            | 404   | 58     | 4        | 164      | 106      |
| <b>43363 PAMBAN</b>               | 0916N    | 07918E    | 11        |           | 1005.5       | 1006.8         | 31.1        | .2     | 33.6           |        | 0             | 0     | -48    | 1        |          |          |
| <b>43369 MINICOY</b>              | 0818N    | 07309E    | 2         |           | 1008.9       | 1009.1         | 29.2        | .1     | 33.3           |        | 16            | 357   | 168    | 5        | 149      | 72       |
| 43371 THIRUVANANTHAPURAM          | 0829N    | 07657E    | 64        |           | 1001.9       | 1009.1         | 28.9        | .4     | 30.8           |        | 11            | 216   | 14     | 4        | 132      | 67       |

# SURFACE

# MAY 2006

| STATION                   | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                           |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>SRI LANKA</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 43418 TRINCOMALEE         | 0835N    | 08115E    | 79        |           | 998.3        | 1007.1         | 30.5        | .0     | 31.5           | 2.0    | 0             | T     | -52    |          |          |          |
| 43424 PUTTALAM            | 0820N    | 07950E    | 2         |           | 1007.8       | 1008.1         | 29.3        | .3     | 33.9           | 2.6    | 6             | 85    | -10    |          |          |          |
| 43441 KURUNEGALA          | 0728N    | 08022E    | 116       |           | 995.3        | 1008.3         | 28.1        | -.2    | 29.6           | -.1    | 17            | 156   | -38    |          |          |          |
| 43466 COLOMBO             | 0654N    | 07952E    | 7         |           | 1007.8       | 1009.0         | 28.5        | .2     | 31.9           | .4     | 17            | 193   | -189   |          | 207      | 103      |
| <b>43473 NUWARA ELIYA</b> | 0658N    | 08046E    | 1880      |           | 813.1        |                | 16.8        | -.3    | 17.2           | .9     | 21            | 249   | 71     |          |          |          |
| <b>43497 HAMBANTOTA</b>   | 0607N    | 08108E    | 20        |           | 1006.7       | 1008.4         | 28.4        | .3     | 32.5           | 1.8    | 8             | 57    | -32    |          |          |          |
| <br><b>MALDIVES</b>       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>43555 MALE</b>         | 0412N    | 07332E    | 2         |           |              |                | 29.4        | 2.7    |                |        | 10            | 87    |        |          | 243      | 109      |
| <br><b>MONGOLIA</b>       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 44203 RINCHINHUMBE        | 5107N    | 09940E    | 1583      |           | 838.0        | 1016.4         | 3.3         | -1.6   | 4.1            | -.7    | 4             | 19    | 0      | 3        |          |          |
| 44207 HATGAL              | 5026N    | 10000E    | 1669      |           | 829.6        | 1016.5         | 2.8         | -1.9   | 4.1            | -.3    | 2             | 6     | -10    | 2        |          |          |
| <b>44212 ULAANGOM</b>     | 4948N    | 09205E    | 940       |           | 907.8        | 1015.9         | 10.1        | -1.3   | 5.1            | -.9    | 2             | 9     | 3      | 4        | 304      | 97       |
| 44213 BARUUNTURUUN        | 4939N    | 09424E    | 1232      |           | 875.9        | 1014.9         | 8.6         | -1.5   | 6.1            | -.1    | 5             | 26    | 10     | 5        |          |          |
| 44214 ULGI                | 4856N    | 08956E    | 1716      |           | 826.3        | 1013.8         | 8.1         | -1.2   | 4.0            | -2.0   | 6             | 21    | 11     | 5        |          |          |
| 44215 OMNO-GOBI           | 4901N    | 09143E    | 1590      |           | 838.8        | 1014.9         | 7.4         | -2.1   | 5.6            | .4     | 3             | 9     | 3      | 4        |          |          |
| <b>44218 HOVD</b>         | 4801N    | 09134E    | 1406      |           | 857.6        | 1013.5         | 10.8        | -1.1   | 5.6            | -.3    | 4             | 17    | 8      | 3        | 289      | 96       |
| 44225 TOSONTSENGEL        | 4844N    | 09812E    | 1724      |           | 824.8        |                | 5.4         | -1.6   | 5.2            | -.3    | 5             | 28    | 16     | 5        |          |          |
| 44230 TARIALAN            | 4934N    | 10200E    | 1236      |           | 875.3        | 1014.2         | 8.6         | -1.2   | 4.5            | -1.0   | 4             | 23    | 6      | 4        |          |          |
| <b>44231 MUREN</b>        | 4938N    | 10010E    | 1285      |           | 868.1        | 1013.1         | 8.4         | -1.3   | 4.7            | -.8    | 1             | 10    | -5     | 3        | 318      | 108      |
| 44232 HUTAG               | 4923N    | 10240E    | 938       |           | 904.7        | 1013.1         | 9.9         | -1.3   | 6.1            | -.4    | 5             | 34    | 12     | 4        |          |          |
| 44237 ERDENEMANDAL        | 4832N    | 10120E    | 1510      |           | 844.7        | 1011.7         | 7.5         | -1.1   | 6.2            | .5     | 4             | 22    | 0      | 4        |          |          |
| <b>44239 BULGAN</b>       | 4848N    | 10330E    | 1209      |           | 874.0        | 1010.8         | 8.0         | -1.1   | 5.8            | .3     | 5             | 31    | 9      | 4        |          |          |
| 44241 BARUUNHARAA         | 4855N    | 10600E    | 811       |           | 919.3        | 1012.1         | 9.7         | -1.0   | 7.3            | 1.5    | 5             | 70    | 52     | 4        |          |          |
| 44256 DASHBALBAR          | 4933N    | 11420E    | 706       |           | 925.6        | 1007.4         | 10.2        | .4     | 7.1            | 1.9    | 0             | 0     | -15    | 0        |          |          |
| <b>44259 CHOIBALSAN</b>   | 4805N    | 11430E    | 747       |           | 922.7        | 1008.6         | 11.8        | .5     | 3.9            | -1.8   | 1             | 5     | -9     | 5        | 348      | 118      |
| 44265 BAITAG              | 4607N    | 09128E    | 1186      |           | 881.7        | 1014.4         | 13.2        | -.6    | 4.9            | -3.0   | 4             | 4     | -1     | 4        |          |          |
| <b>44272 ULIATAI</b>      | 4745N    | 09651E    | 1761      |           | 819.2        | 1010.6         | 6.7         | -1.8   | 4.6            | -.9    | 4             | 16    | 2      | 4        | 280      | 90       |
| 44275 BAYANBULAG          | 4650N    | 09805E    | 2255      |           | 772.2        | 1013.1         | 4.4         | -.5    | 5.1            | .2     | 1             | 2     | -3     | 1        |          |          |
| 44277 ALTAI               | 4624N    | 09615E    | 2182      |           | 780.3        | 1013.2         | 5.8         | -1.4   | 6.0            | .8     | 5             | 31    | 19     | 4        |          |          |
| 44282 TSETSERLEG          | 4727N    | 10120E    | 1693      |           | 825.9        | 1011.8         | 7.7         | -1.0   | 4.2            | -.7    | 4             | 50    | 18     | 5        | 282      | 101      |
| 44284 GALUUT              | 4642N    | 10000E    | 2126      |           | 784.6        | 1012.9         | 5.4         | -1.0   | 4.9            | .7     | 1             | 10    | -2     | 3        |          |          |
| 44285 HUIJRT              | 4654N    | 10240E    | 1662      |           | 829.3        | 1012.0         | 7.4         | -.7    | 5.5            | -.1    | 4             | 27    | 4      | 4        | 208      | 73       |
| 44287 BAYANHONGOR         | 4608N    | 10040E    | 1860      |           | 809.4        | 1009.2         | 8.6         | -1.0   | 6.4            | 1.1    | 1             | 3     | -11    | 1        |          |          |
| <b>44288 ARVAIHEER</b>    | 4616N    | 10240E    | 1813      |           | 813.7        | 1010.3         | 8.3         | -.9    | 5.2            | .1     | 1             | 2     | -12    | 1        |          |          |
| 44292 ULAANBAATAR         | 4755N    | 10650E    | 1307      |           | 865.2        | 1011.8         | 8.0         | -.9    | 4.7            | -.6    | 3             | 69    | 56     | 6        | 308      | 103      |
| 44294 MAANTI              | 4718N    | 10720E    | 1430      |           | 851.9        | 1011.0         | 7.6         | -1.0   | 4.2            | -1.6   | 4             | 25    | 14     | 5        |          |          |
| 44298 CHOIR               | 4627N    | 10810E    | 1287      |           | 865.8        | 1009.1         | 10.3        | -.7    | 4.7            | -1.5   | 1             | 1     | -9     | 1        |          |          |
| 44302 BAYAN-OVOO          | 4747N    | 11200E    | 926       |           | 905.5        | 1011.0         | 10.2        | -.5    | 4.4            | -1.3   | 6             | 8     | -7     | 2        |          |          |
| 44304 UNDERKHAAN          | 4719N    | 11030E    | 1035      |           | 892.4        | 1008.5         | 9.5         | -1.1   | 3.9            | -1.1   | 3             | 16    | 1      | 5        |          |          |
| 44305 BARUUN-URT          | 4641N    | 11310E    | 982       |           | 897.9        | 1008.8         | 11.4        | .0     | 4.9            | -1.0   | 2             | 7     | -6     | 1        |          |          |

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| STATION                    | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|----------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                            |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 44313 KHALKH-GOL           | 4737N    | 11830E    | 689       |           | 930.0        | 1009.1         | 12.2        | 1.4    | 5.8            | -2     | 2             | 5     | -10    | 2        |          |          |
| 44314 MATAD                | 4710N    | 11530E    | 907       |           | 906.8        | 1009.2         | 11.6        | .2     | 2.7            | -2.6   | 1             | 3     | -10    | 2        |          |          |
| <b>44317 ERDENETSAGAAN</b> | 4554N    | 11520E    | 1076      |           | 889.0        | 1010.0         | 11.2        |        | 4.6            |        | 1             | 1     |        | 1        |          |          |
| 44336 SAIKHAN-OVOO         | 4527N    | 10350E    | 1317      |           | 866.0        | 1010.9         | 12.1        | -5     | 5.0            | -2     | 1             | 10    | 1      | 2        |          |          |
| <b>44341 MANDALGOBI</b>    | 4546N    | 10610E    | 1396      |           |              |                | 10.2        | -1.0   | 3.4            | -2.1   |               | 2     | -8     | 1        | 299      | 100      |
| 44347 TSOGT-OVOO           | 4425N    | 10510E    | 1298      |           | 866.0        | 1009.1         | 13.4        | -5     | 3.2            | -2.9   | 01            | 1     | -6     | 2        |          |          |
| 44352 BAYANDELGER          | 4544N    | 11220E    | 1101      |           | 886.3        | 1008.7         | 11.8        | .2     | 7.0            | 1.1    | 1             | 1     | -11    | 1        | 274      |          |
| 44354 SAINSHAND            | 4454N    | 11000E    | 938       |           | 902.7        | 1006.0         | 14.3        | -2     | 6.5            | -1     | 01            | 1     | -7     | 1        | 252      | 80       |
| 44358 ZAMYN-UUD            | 4344N    | 11150E    | 965       |           | 900.1        | 1008.7         | 15.0        | .6     | 7.1            | .9     | 1             | 8     | 1      | 4        |          |          |
| <b>44373 DALANZADGAD</b>   | 4335N    | 10420E    | 1465      |           | 848.6        | 1008.5         | 14.1        | -1     | 4.0            | -1.9   | 3             | 8     | -3     | 2        | 290      | 90       |
| <b>NEPAL</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 44454 KATHMANDU AIRPORT    | 2742N    | 08522E    | 1337      |           | 862.2        | 1462 Y         | 22.8        |        | 22.1           |        | 15            | 145   |        |          | 159      | 65       |
| 44477 DHANKUTA             | 2659N    | 08721E    | 1210      |           | 877.4        | 1488 Y         | 23.2        |        | 20.8           |        | 10            | 86    |        |          | 190      | 90       |
| <b>HONG KONG, CHINA</b>    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 45004 KOWLOON              | 2219N    | 11410E    | 66        |           | 1002.8       | 1010.3         | 25.8        | -4     | 27.2           | -1     | 15            | 468   | 154    | 5        | 122      | 80       |
| <b>MACAO, CHINA</b>        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 45011 TAIPA GRANDE         | 2210N    | 11330E    | 114       |           | 997.3        | 1010.5         | 25.3        |        | 27.0           |        | 15            | 435   |        | 5        | 124      | 90       |
| <b>DPR KOREA</b>           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 47014 CHUNGGANG            | 4147N    | 12650E    | 331       |           | 973.1        | 1011.2         | 15.2        | 1.2    | 9.6            |        | 6             | 49    | -28    | 2        | 178      | 95       |
| 47016 HYESAN               | 4124N    | 12810E    | 715       |           | 928.6        | 1012.9         | 13.5        | 1.2    | 8.7            |        | 7             | 26    | -30    | 1        | 205      | 90       |
| 47025 KIMCHAEK             | 4040N    | 12910E    | 23        |           | 1009.7       | 1012.5         | 11.3        | -5     | 11.2           |        | 6             | 77    | 26     | 3        | 170      | 75       |
| 47035 SINUIJU              | 4006N    | 12420E    | 7         |           | 1011.6       | 1012.4         | 16.6        | 1.6    | 12.9           |        | 8             | 63    | -9     | 3        | 213      | 90       |
| 47055 WONSAN               | 3911N    | 12720E    | 36        |           | 1008.6       | 1013.0         | 16.1        | .6     | 12.0           |        | 8             | 282   | 201    |          | 184      | 75       |
| 47058 PYONGYANG            | 3902N    | 12540E    | 36        |           | 1008.5       | 1013.0         | 17.5        | 1.5    | 12.8           |        | 4             | 121   | 59     | 5        | 201      | 80       |
| 47069 HAEJU                | 3802N    | 12540E    | 81        |           | 1002.2       | 1011.7         | 16.8        | 1.2    | 14.0           |        | 5             | 224   | 143    | 5        | 216      | 90       |
| <b>REPUBLIC OF KOREA</b>   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 47101 CHUNCHEON            | 3754N    | 12740E    | 78        |           | 1003.3       | 1012.2         | 17.6        | .6     | 12.2           | .0     | 5             | 126   | 36     | 4        | 197      | 82       |
| 47105 GANGNEUNG            | 3745N    | 12850E    | 26        |           | 1009.3       | 1012.4         | 16.9        | -8     | 11.4           | -6     | 7             | 99    | 26     | 4        | 172      | 75       |
| 47108 SEOUL                | 3734N    | 12650E    | 86        |           | 1002.1       | 1012.1         | 18.4        | 1.0    | 12.0           | -6     | 5             | 156   | 65     | 5        | 199      | 88       |
| 47115 ULLEUNGDO            | 3729N    | 13050E    | 221       |           | 986.6        | 1012.5         | 14.0        | -1.4   | 12.3           | .1     | 7             | 236   | 158    | 5        | 198      | 86       |
| 47133 DAEJEON              | 3622N    | 12720E    | 72        |           | 1004.2       | 1012.5         | 18.5        | 1.0    | 13.4           | .2     | 5             | 120   | 25     | 4        | 202      | 84       |
| 47138 POHANG               | 3602N    | 12920E    | 4         |           | 1012.7       | 1013.0         | 17.4        | -2     | 13.6           | .7     | 7             | 136   | 65     | 5        | 166      | 73       |
| 47159 BUSAN                | 3506N    | 12900E    | 70        |           | 1004.7       | 1012.9         | 16.3        | -1.0   | 13.6           | -2     | 10            | 258   | 110    | 5        | 170      | 76       |
| 47165 MOKPO                | 3449N    | 12620E    | 39        |           | 1008.3       | 1012.7         | 17.3        | .2     | 15.3           | .7     | 9             | 247   | 158    | 6        | 149      | 69       |
| 47168 YEOSU                | 3444N    | 12740E    | 67        |           | 1004.7       | 1012.6         | 16.6        | -8     | 14.2           | .1     | 10            | 187   | 41     | 4        | 160      | 70       |
| 47184 JEJU                 | 3331N    | 12630E    | 23        |           | 1010.2       | 1012.6         | 17.6        | .4     | 14.1           | -8     | 11            | 164   | 76     | 5        | 148      | 69       |
| <b>JAPAN</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

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| STATION            | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                    |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 47401 WAKKANAI     | 4525N    | 14140E    | 12        |           | 1010.4       | 1011.8         | 9.3         | .6     | 9.2            | .5     | 10            | 129   | 58     | 6        | 234      | 126      |
| 47407 ASAHIKAWA    | 4345N    | 14220E    | 140       |           | 995.8        | 1012.6         | 12.1        | .5     | 8.8            | -.2    | 12            | 85    | 18     | 5        | 238      | 121      |
| 47409 ABASHIRI     | 4401N    | 14410E    | 44        |           | 1007.3       | 1012.5         | 10.7        | 1.3    | 8.0            | -.4    | 10            | 82    | 19     | 4        | 218      | 117      |
| 47412 SAPPORO      | 4304N    | 14120E    | 26        |           | 1009.5       | 1012.6         | 12.9        | .9     | 8.6            | -.6    | 9             | 45    | -9     | 2        | 235      | 116      |
| 47418 KUSHIRO      | 4259N    | 14420E    | 40        |           | 1008.7       | 1013.6         | 8.4         | .5     | 8.3            | -.3    | 11            | 175   | 72     | 5        | 221      | 120      |
| 47420 NEMURO       | 4320N    | 14530E    | 39        |           | 1008.8       | 1013.6         | 7.9         | .5     | 8.6            | .1     | 9             | 158   | 58     | 5        | 199      | 109      |
| 47421 SUTTSU       | 4248N    | 14010E    | 38        |           | 1008.3       | 1012.9         | 11.2        | .5     | 9.0            | -.6    | 7             | 80    | 16     | 4        | 226      | 115      |
| 47426 URAKAWA      | 4210N    | 14240E    | 37        |           | 1009.6       | 1014.1         | 9.5         | .2     | 10.0           | .5     | 12            | 217   | 113    | 5        | 193      | 92       |
| 47430 HAKODATE     | 4149N    | 14040E    | 44        |           | 1008.3       | 1013.6         | 12.3        | .8     | 9.4            | -.7    | 11            | 117   | 45     | 5        | 225      | 110      |
| 47570 WAKAMATSU    | 3729N    | 13950E    | 217       |           | 988.8        | 1014.2         | 16.2        | .7     | 12.7           | .9     | 9             | 65    | -8     | 2        | 158      | 79       |
| 47575 AOMORI       | 4049N    | 14040E    | 4         |           | 1013.2       | 1013.7         | 13.3        | .3     | 10.5           | .1     | 9             | 56    | -14    | 2        | 207      | 96       |
| 47582 AKITA        | 3943N    | 14000E    | 22        |           | 1011.5       | 1014.1         | 14.9        | .7     | 12.1           | .4     | 10            | 113   | -1     | 2        | 178      | 90       |
| 47585 MIYAKO       | 3939N    | 14150E    | 51        |           | 1007.8       | 1013.9         | 13.0        | -.2    | 11.1           | .4     | 9             | 72    | -24    | 3        | 170      | 84       |
| 47590 SENDAI       | 3816N    | 14050E    | 44        |           | 1009.2       | 1014.5         | 15.2        | .3     | 13.1           | 1.2    | 10            | 102   | -6     | 3        | 141      | 69       |
| 47598 ONAHAMA      | 3657N    | 14050E    | 5         |           | 1014.1       | 1014.7         | 15.9        | .8     | 14.0           | .6     | 11            | 139   | -7     | 3        | 138      | 69       |
| 47600 WAJIMA       | 3724N    | 13650E    | 15        |           | 1012.2       | 1013.9         | 15.9        | .6     | 13.3           | .5     | 11            | 152   | 24     | 4        | 154      | 70       |
| 47602 AIKAWA       | 3802N    | 13810E    | 17        |           | 1012.1       | 1014.1         | 15.5        | .5     | 13.3           | .7     | 11            | 124   | 25     | 4        | 151      | 73       |
| 47605 KANAZAWA     | 3635N    | 13630E    | 34        |           | 1009.9       | 1013.8         | 17.4        | .4     | 13.6           | .2     | 14            | 160   | 10     | 4        | 151      | 74       |
| 47618 MATSUMOTO    | 3615N    | 13750E    | 612       |           | 943.5        | 1013.2         | 16.6        | 1.0    | 11.3           | .6     | 8             | 62    | -32    | 1        | 172      | 78       |
| 47624 MAEBASHI     | 3624N    | 13900E    | 114       |           | 1000.8       | 1014.2         | 18.0        | .4     | 12.9           | .2     | 11            | 74    | -19    | 2        | 145      | 76       |
| 47636 NAGOYA       | 3510N    | 13650E    | 56        |           | 1007.7       | 1014.4         | 18.7        | .3     | 14.5           | .3     | 14            | 205   | 48     | 5        | 142      | 71       |
| 47648 CHOSHI       | 3544N    | 14050E    | 28        |           | 1011.4       | 1014.8         | 17.3        | .5     | 16.4           | .8     | 15            | 127   | -14    | 3        | 142      | 76       |
| 47655 OMAEZAKI     | 3436N    | 13810E    | 47        |           | 1008.9       | 1014.5         | 18.4        | .4     | 17.3           | .9     | 14            | 302   | 86     | 5        | 129      | 64       |
| 47662 TOKYO        | 3541N    | 13940E    | 36        |           | 1009.9       | 1014.2         | 19.0        | .4     | 14.3           | .2     | 13            | 99    | -39    | 2        | 137      | 75       |
| 47663 OWASE        | 3404N    | 13610E    | 28        |           | 1011.0       | 1014.3         | 18.3        | .4     | 15.9           | .4     | 16            | 438   | 100    | 4        | 135      | 79       |
| 47675 OSHIMA       | 3445N    | 13920E    | 80        |           | 1005.3       | 1014.7         | 17.8        | 1.0    | 17.2           | 1.6    | 15            | 242   | -32    | 4        | 111      | 66       |
| 47678 HACHIOJIMA   | 3307N    | 13940E    | 156       |           | 996.9        | 1015.1         | 18.8        | -.4    | 18.6           | .7     | 15            | 195   | -54    | 2        | 94       | 62       |
| 47740 SAIGO        | 3612N    | 13320E    | 32        |           | 1009.5       | 1013.3         | 16.3        | .4     | 14.2           | .6     | 11            | 279   | 162    | 5        | 161      | 70       |
| 47741 MATSUE       | 3527N    | 13300E    | 23        |           | 1010.5       | 1013.1         | 17.4        | .3     | 15.0           | .5     | 14            | 188   | 69     | 5        | 150      | 69       |
| 47746 TOTTORI      | 3529N    | 13410E    | 16        |           | 1011.6       | 1013.5         | 18.1        | .8     | 14.8           | .9     | 14            | 101   | -20    | 2        | 145      | 70       |
| 47750 MAIZURU      | 3527N    | 13510E    | 23        |           | 1011.4       | 1014.0         | 17.9        | .9     | 14.3           | .6     | 13            | 95    | -33    | 2        | 130      | 70       |
| 47755 HAMADA       | 3454N    | 13200E    | 24        |           | 1010.1       | 1013.0         | 17.4        | .4     | 16.2           | 1.7    | 14            | 189   | 54     | 5        | 150      | 73       |
| 47772 OSAKA        | 3441N    | 13530E    | 83        |           | 1004.2       | 1013.9         | 19.7        | .5     | 15.0           | .8     | 13            | 146   | 7      | 4        | 168      | 84       |
| 47778 SHIONOMISAKI | 3327N    | 13540E    | 76        |           | 1005.1       | 1013.9         | 19.0        | .2     | 17.5           | .9     | 15            | 281   | 4      | 4        | 119      | 63       |
| 47800 IZUHARA      | 3412N    | 12910E    | 19        |           | 1010.7       | 1013.0         | 17.4        | .1     | 15.4           | .8     | 13            | 399   | 200    | 5        | 158      | 85       |
| 47807 FUKUOKA      | 3335N    | 13020E    | 15        |           | 1011.1       | 1012.9         | 19.2        | .4     | 16.1           | .8     | 13            | 184   | 40     | 4        | 135      | 72       |
| 47815 OITA         | 3314N    | 13130E    | 13        |           | 1011.5       | 1013.1         | 19.2        | 1.0    | 16.6           | 1.2    | 13            | 173   | 16     | 4        | 131      | 73       |
| 47817 NAGASAKI     | 3244N    | 12950E    | 36        |           | 1008.5       | 1012.7         | 19.5        | .5     | 17.0           | .7     | 12            | 390   | 197    | 6        | 133      | 72       |
| 47827 KAGOSHIMA    | 3133N    | 13030E    | 32        |           | 1009.1       | 1012.8         | 21.1        | 1.0    | 18.0           | .5     | 13            | 227   | -32    | 3        | 116      | 74       |
| 47830 MIYAZAKI     | 3156N    | 13120E    | 15        |           | 1011.2       | 1013.0         | 20.7        | 1.1    | 18.1           | .3     | 13            | 239   | -39    | 2        | 106      | 64       |
| 47837 TANEGASHIMA  | 3044N    | 13050E    | 38        |           | 1008.4       | 1012.8         | 21.5        | .8     | 19.6           | .0     | 12            | 282   | -5     | 3        | 88       | 56       |
| 47843 FUKUE        | 3242N    | 12850E    | 27        |           | 1009.5       | 1012.6         | 18.4        | .3     | 16.2           | -.3    | 13            | 396   | 135    | 5        | 139      | 79       |
| 47887 MATSUYAMA    | 3351N    | 13240E    | 34        |           | 1009.2       | 1013.2         | 19.1        | .8     | 15.5           | 1.1    | 14            | 161   | 31     | 4        | 155      | 79       |
| 47891 TAKAMATSU    | 3419N    | 13400E    | 14        |           | 1011.8       | 1013.4         | 19.2        | 1.1    | 15.1           | .5     | 10            | 128   | 26     | 5        | 164      | 77       |
| 47898 SHIMIZU      | 3243N    | 13300E    | 34        |           | 1009.2       | 1013.2         | 20.7        | .9     | 19.2           | 1.8    | 13            | 260   | -5     | 4        | 133      | 73       |
| 47899 MUROTOMISAKI | 3315N    | 13410E    | 187       |           | 991.6        | 1013.3         | 18.7        | .5     | 18.5           | 1.8    | 14            | 286   | 11     | 4        | 142      | 76       |

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| STATION                         | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                 |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 47909 NAZE                      | 2823N    | 12930E    | 8         |           | 1012.0       | 1012.9         | 23.5        | .9     | 22.3           | .8     | 14            | 438   | 119    | 5        | 78       | 64       |
| 47918 ISHIGAKIJIMA              | 2420N    | 12410E    | 11        |           | 1010.3       | 1011.6         | 26.5        | .8     | 28.0           | .4     | 11            | 142   | -88    | 2        | 157      | 100      |
| 47927 MIYAKOJIMA                | 2448N    | 12510E    | 42        |           | 1007.2       | 1012.0         | 25.4        | .6     | 26.5           | .0     | 13            | 211   | 18     | 3        | 128      | 82       |
| 47936 NAHA                      | 2612N    | 12740E    | 28        |           | 1009.3       | 1012.5         | 24.8        | 1.0    | 26.1           | 1.8    | 15            | 334   | 91     | 4        | 115      | 77       |
| 47945 MINAMIDAITOJIMA           | 2550N    | 13110E    | 21        |           | 1011.0       | 1013.4         | 24.8        | .9     | 25.5           | .4     | 8             | 140   | -43    | 3        | 189      | 107      |
| 47971 CHICHIJIMA                | 2706N    | 14210E    | 8         |           | 1015.1       | 1016.0         | 23.4        | .4     | 23.5           | -.2    | 3             | 38    | -130   | 1        | 206      | 122      |
| 47991 MINAMITORISHIMA           | 2417N    | 15350E    | 9         |           | 1015.4       | 1016.4         | 25.4        | -.3    | 24.7           | -1.3   | 6             | 84    | 6      |          | 251      | 89       |
| <b>THAILAND</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 48327 CHIANG MAI                | 1847N    | 09859E    | 314       |           | 972.2        | 1006.9         | 26.5        | -1.6   | 28.3           | 1.3    | 12            | 220   | 62     | 4        | 167      | 63       |
| 48354 UDON THANI                | 1723N    | 10240E    | 178       |           | 987.8        | 1007.9         | 28.4        | -.1    | 28.8           | -.5    | 15            | 134   | -86    | 2        |          |          |
| 48378 PHITSANULOK               | 1647N    | 10010E    | 46        |           | 1002.4       | 1007.6         | 28.7        | -.9    | 29.0           | -.5    | 13            | 192   | 4      | 4        | 198      | 79       |
| <b>48400 NAKHON SAWAN</b>       | 1548N    | 10010E    | 35        |           | 1003.6       | 1007.6         | 29.0        | -1.3   | 31.6           | 1.5    | 12            | 75    | -64    | 1        | 190      | 78       |
| 48431 NAKHON RATCHASIMA         | 1458N    | 10200E    | 187       |           | 986.0        | 1007.9         | 28.8        | .2     | 28.8           | -.1    | 12            | 110   | -42    | 2        |          |          |
| 48455 BANGKOK                   | 1344N    | 10030E    | 4         |           | 1007.7       | 1008.2         | 30.1        | .9     | 31.5           | -.1    | 13            | 250   | 30     | 4        | 186      | 86       |
| <b>48462 ARANYAPRATHET</b>      | 1342N    | 10230E    | 49        |           | 1003.4       | 1008.7         | 28.9        | .2     | 30.6           | .0     | 13            | 105   | -77    | 4        |          |          |
| 48480 CHANTHA BURI              | 1237N    | 10200E    | 4         |           | 1008.1       | 1008.5         | 28.2        | .5     | 31.0           | -.2    | 18            | 466   | 111    | 4        | 159      | 87       |
| <b>48500 PRACHUAP KHIRIKHAN</b> | 1150N    | 09950E    | 5         |           | 1007.7       | 1008.4         | 28.6        | .0     | 32.2           | 1.8    | 11            | 0187  | 0063   | 4        |          |          |
| 48517 CHUMPHON                  | 1029N    | 09911E    | 6         |           | 1008.3       | 1009.0         | 28.6        | .7     | 32.6           | 2.2    | 16            | 199   | 10     | 3        |          |          |
| <b>48568 SONGKHLA</b>           | 0712N    | 10030E    | 7         |           | 1008.6       | 1009.4         | 28.0        | -.9    | 30.4           | -.1    | 19            | 153   | 33     | 4        | 215      | 92       |
| <b>LAO PDR</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 48930 LUANG-PRABANG             | 1953N    | 10200E    | 305       |           | 974.2        | 1008.7         | 26.8        | -.9    | 29.2           | .3     | 12            | 94    | -53    | 1        | 133      | 68       |
| 48938 SAYABOURY                 | 1914N    | 10140E    | 326       |           | 987.0        | 1006.3         | 26.6        | -1.1   | 27.0           | -1.9   | 13            | 173   | 26     | 3        | 180      | 91       |
| 48940 VIENTIANE                 | 1757N    | 10230E    | 171       |           | 989.0        | 1008.4         | 27.4        | -.3    | 28.3           | -.9    | 19            | 231   | -23    | 1        | 170      | 82       |
| 48946 THAKHEK                   | 1723N    | 10430E    | 152       |           | 991.0        | 1008.2         | 28.8        |        | 27.5           | -1.7   | 9             | 79    | -175   |          | 197      | 95       |
| 48947 SAVANNAKHET               | 1633N    | 10430E    | 145       |           | 993.7        | 1010.4         | 28.9        | .9     | 29.7           | 1.8    | 13            | 150   | 1      | 3        | 180      |          |
| 48948 SENO                      | 1640N    | 10500E    | 185       |           | 988.4        | 1009.2         | 28.3        | .3     | 28.0           | .1     | 14            | 216   | 67     | 4        | 196      |          |
| 48955 PAKSE                     | 1507N    | 10510E    | 102       |           | 994.6        | 1000.8         | 29.0        | .9     | 28.1           | -.2    | 11            | 232   | 9      | 4        | 198      | 91       |
| <b>CHINA</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>50527 HAILAR</b>             | 4913N    | 11940E    | 611       |           | 936.7        | 1007.4         | 12.8        | 2.2    | 4.1            | -1.6   | 2             | 5     | -17    | 2        | 272      | 91       |
| <b>50745 QIQIHAR</b>            | 4723N    | 12350E    | 148       |           | 990.7        | 1008.1         | 17.1        | 2.7    | 5.8            | -1.5   | 1             | 4     | -26    | 1        | 301      | 107      |
| <b>51076 ALTAY</b>              | 4744N    | 08805E    | 737       |           | 930.4        | 1014.8         | 14.8        | -.6    | 6.1            | -.8    | 6             | 21    | 3      | 4        | 334      | 103      |
| 51431 YINING                    | 4357N    | 08120E    | 664       |           | 939.3        | 1014.8         | 18.7        | 1.5    | 9.7            | -1.2   | 7             | 49    | 24     | 5        | 314      | 110      |
| <b>51463 WU LU MU QI</b>        | 4348N    | 08739E    | 947       |           | 910.2        | 1015.5         | 16.8        |        | 7.0            |        | 2             | 51    |        | 4        | 313      | 105      |
| <b>51709 KASHI</b>              | 3928N    | 07559E    | 1291      |           | 869.1        | 1007.4         | 22.4        | 2.5    | 7.9            | -.6    | 1             | 2     | -9     | 3        | 308      | 118      |
| <b>51777 RUOQIANG</b>           | 3902N    | 08810E    | 889       |           | 910.4        | 1008.6         | 21.1        | -.1    | 7.0            | .3     | 4             | 25    | 23     | 6        | 283      | 97       |
| <b>51828 HOTAN</b>              | 3708N    | 07956E    | 1375      |           | 859.8        | 1005.9         | 23.2        | 2.6    | 8.1            | .1     | 01            | 1     | -6     | 3        | 271      | 117      |
| <b>52203 HAMI</b>               | 4249N    | 09331E    | 739       |           | 927.0        | 1009.9         | 19.7        | -.6    | 6.2            | -.7    | 1             | 3     | 0      | 4        | 320      | 95       |
| <b>52533 JIUQUAN</b>            | 3946N    | 09829E    | 1478      |           | 851.0        | 1011.2         | 16.2        | .4     | 5.9            | -.6    | 5             | 10    | 0      | 4        | 317      | 109      |
| <b>52836 DOULAN</b>             | 3618N    | 09806E    | 3190      |           | 692.2        |                | 9.4         | .5     | 3.1            | -.9    | 3             | 19    | -6     | 3        | 304      | 106      |
| <b>53068 ERENHOT</b>            | 4339N    | 11200E    | 966       |           | 900.6        | 1008.9         | 15.3        | .7     | 3.5            | -1.1   | 1             | 7     | -1     | 4        | 294      | 91       |
| <b>53614 YINCHUAN</b>           | 3828N    | 10610E    | 1112      |           | 886.9        | 1008.9         | 18.8        | 1.6    | 8.0            | -.9    | 6             | 23    | 6      | 0        | 279      | 97       |

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| STATION                            | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                    |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 53772 TAIYUAN                      | 3747N    | 11230E    | 779       |           | 923.0        | 1010.4         | 19.1        | 1.2    | 11.2           | 1.1    | 7             | 39    | 4      | 4        | 220      | 82       |
| 54292 YANJI                        | 4252N    | 12930E    | 178       |           | 981.2        | 1011.4         | 14.4        | .4     | 9.1            | .3     | 5             | 30    | -19    | 2        | 250      | 106      |
| 54342 SHENYANG                     | 4144N    | 12331E    | 43        |           | 1004.8       | 1010.6         | 18.3        | 1.1    | 10.9           | .5     | 8             | 32    | -23    | 2        | 245      | 92       |
| 54511 BEIJING                      | 3956N    | 11610E    | 55        |           | 1006.4       | 1010.3         | 20.4        | .4     | 11.6           | -.4    | 7             | 50    | 22     | 4        | 187      | 65       |
| 54857 QINGDAO                      | 3604N    | 12020E    | 77        |           | 1003.3       | 1012.2         | 16.8        | 1.0    | 13.7           | .7     | 3             | 65    | 15     | 4        | 219      | 89       |
| 55591 LHASA                        | 2940N    | 09108E    | 3650      |           | 653.9        |                | 12.4        | .5     | 7.0            | 1.5    | 10            | 69    | 43     | 5        | 277      | 99       |
| 56137 QAMDO                        | 3109N    | 09710E    | 3307      |           | 682.6        | 1005.2         | 10.9        | -1.2   | 6.8            | .6     | 11            | 92    | 52     | 5        | 215      | 98       |
| 56571 XICHANG                      | 2754N    | 10210E    | 1599      |           | 837.6        |                | 21.7        | .6     | 11.7           | -1.8   | 10            | 115   | 20     | 4        | 194      | 86       |
| 56739 TENGCHONG                    | 2507N    | 09829E    | 1649      |           | 833.2        |                | 18.3        | .2     | 16.0           | .0     | 15            | 323   | 195    | 6        | 174      | 100      |
| 56778 KUNMING                      | 2501N    | 10240E    | 1892      |           | 810.2        |                | 18.0        | -9     | 14.3           | .1     | 9             | 111   | 20     | 4        | 199      | 88       |
| 56985 MENGZI                       | 2323N    | 10320E    | 1302      |           | 867.9        | 1007.4         | 22.1        |        | 17.0           |        | 8             | 38    |        | 1        | 186      | 90       |
| 57083 ZHENGZHOU                    | 3443N    | 11330E    | 111       |           | 997.7        | 1010.7         | 21.9        | .8     | 14.5           | -.2    | 8             | 66    | 14     | 4        | 212      | 87       |
| 57461 YICHANG                      | 3042N    | 11110E    | 134       |           | 995.1        | 1010.6         | 23.3        | 1.6    | 18.9           | -.4    | 8             | 97    | -26    | 2        | 171      | 113      |
| 57745 ZHIJIANG                     | 2727N    | 10940E    | 273       |           | 979.2        | 1010.6         | 22.4        | 1.3    | 19.5           | -1.0   | 11            | 161   | -46    | 2        | 158      | 125      |
| 57993 GANZHOU                      | 2552N    | 11500E    | 138       |           | 994.9        | 1010.9         | 23.3        | -.7    | 20.7           | -2.7   | 13            | 315   | 101    | 4        | 99       | 66       |
| 58362 SHANGHAI                     | 3124N    | 12120E    | 8         |           | 1011.3       | 1012.1         | 20.8        |        | 16.4           |        | 9             | 108   |        | 4        | 153      | 80       |
| 58606 NANCHANG                     | 2836N    | 11550E    | 50        |           | 1005.5       | 1011.1         | 22.8        | .6     | 20.7           | -1.0   | 13            | 186   | -67    | 2        | 150      | 101      |
| 59287 GUANGZHOU                    | 2310N    | 11320E    | 42        |           | 1005.9       | 1010.7         | 25.3        | -.3    | 24.7           | -3.1   | 16            | 639   | 356    | 5        | 82       | 65       |
| 59316 SHANTOU                      | 2324N    | 11640E    | 3         |           | 1010.0       | 1010.4         | 24.8        | .6     | 25.1           | -.9    | 14            | 592   | 383    | 6        | 105      | 76       |
| 59431 NANNING                      | 2238N    | 10810E    | 126       |           | 995.1        | 1009.2         | 25.2        | -.8    | 24.1           | -2.8   | 12            | 120   | -67    | 1        | 132      | 80       |
| 59758 HAIKOU                       | 2002N    | 11020E    | 24        |           | 1007.0       | 1008.7         | 28.3        | 1.0    | 27.6           | -2.5   | 11            | 156   | -26    | 2        | 211      | 91       |
| <b>AFRICA</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>MADEIRA</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 08522 FUNCHAL                      | 3238N    | 01654W    | 58        |           | 1012.3       | 1019.1         | 19.2        | 1.5    | 15.6           | .7     | 1             | 3     | -16    | 1        | 227      | 112      |
| <b>SPAIN (CANARY ISLANDS)</b>      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60001 HIERRO/AEROPUERTO            | 2749N    | 01753W    | 32        |           | 1014.9       | 1018.6         | 21.0        |        | 17.1           |        | 1             | 5     |        | 6        | 291      | 130      |
| 60005 LA PALMA/AEROPUERTO          | 2837N    | 01745W    | 31        |           | 1015.7       | 1019.2         | 20.2        |        | 14.6           |        | 01            | 1     |        | 3        | 224      | 120      |
| 60010 IZANA                        | 2819N    | 01630W    | 2371      |           | 769.6        |                | 10.9        |        | 4.5            |        | 1             | 8     |        | 5        | 396      | 115      |
| 60020 STA. CRUZ DE TENERIFE        | 2827N    | 01615W    | 36        |           | 1012.5       | 1016.9         | 21.3        | .8     | 14.9           | .5     | 2             | 3     | 0      | 5        | 306      | 112      |
| 60030 LAS PALMAS DE GRAN CANARIA/G | 2756N    | 01523W    | 47        |           | 1011.5       | 1017.0         | 20.8        | .9     | 14.7           | -.4    | 0             | 0     | -1     | 3        | 284      | 111      |
| 60035 FUERTEVENTURA/AEROPUERTO     | 2827N    | 01352W    | 30        |           | 1013.1       | 1016.6         | 20.5        |        | 13.7           |        | 0             | T     |        | 4        | 301      | 115      |
| 60040 LANZAROTE/AEROPUERTO         | 2857N    | 01336W    | 21        |           | 1014.0       | 1016.5         | 21.4        | 1.5    | 15.0           | -.3    | 0             | 0     | -1     | 3        | 276      | 99       |
| <b>WESTERN SAHARA</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60096 DAKHLA                       | 2343N    | 01556W    | 12        |           | 1014.7       | 1016.1         | 19.1        |        |                |        | 0             | 0     |        | 0        | 350      | 140      |
| <b>MOROCCO</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60101 TANGER (AERODROME)           | 3544N    | 00554W    | 21        |           | 1014.3       | 1016.1         | 19.5        | 1.8    | 16.7           |        | 01            | 1     | -36    | 1        | 297      | 100      |
| 60115 OUJDA                        | 3447N    | 00156W    | 470       |           | 962.2        | 1015.1         | 20.4        | 3.4    | 14.3           |        | 5             | 61    | 22     | 5        | 235      | 195      |

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| STATION                          | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 60120 KENITRA                    | 3418N    | 00636W    | 14        |           | 1013.5       | 1015.2         | 20.5        | 2.4    | 18.1           |        | 2             | 16    | -21    | 3        | 291      | 95       |
| 60135 RABAT-SALE                 | 3403N    | 00646W    | 84        |           | 1005.9       | 1015.1         | 19.3        | 1.9    | 18.7           |        | 3             | 43    | 18     | 5        | 285      | 95       |
| 60150 MEKNES                     | 3353N    | 00532W    | 576       |           | 951.2        | 1014.6         | 20.5        | 2.8    | 13.9           |        | 5             | 66    | 24     | 4        | 272      | 95       |
| 60155 CASABLANCA                 | 3334N    | 00740W    | 57        |           | 1008.6       | 1015.4         | 19.5        | 2.0    | 18.2           |        | 1             | 2     | -16    | 1        | 274      | 60       |
| <b>60195 MIDELT</b>              | 3241N    | 00444W    | 1515      |           | 851.6        | 1531 Y         | 18.6        | 3.1    | 10.2           |        | 5             | 35    | 4      | 4        | 268      | 60       |
| 60230 MARRAKECH                  | 3137N    | 00802W    | 468       |           | 960.8        | 1013.6         | 22.7        | 2.1    | 13.4           |        | 3             | 12    | -11    | 3        | 305      | 105      |
| <b>60265 OUARZAZATE</b>          | 3056N    | 00654W    | 1140      |           | 887.8        | 1515 Y         | 23.8        | 2.1    | 6.1            |        | 3             | 24    | 17     | 5        | 324      | 75       |
| <b>SPAIN (CEUTA AND MELILLA)</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60338 MELILLA                    | 3517N    | 00257W    | 55        |           | 1009.5       | 1015.9         | 19.6        | 1.1    | 18.7           | 3.6    | 6             | 45    | 10     | 4        | 140      | 57       |
| <b>ALGERIA</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60351 JIJEL-ACHOUAT              | 3648N    | 00553E    | 10        |           | 1014.1       | 1015.5         | 20.8        |        | 18.9           |        | 3             | 33    |        |          | 251      | 55       |
| 60353 JIJEL-PORT                 | 3649N    | 00553E    | 6         |           | 1013.0       | 1015.4         | 21.2        |        | 20.5           |        | 3             | 25    |        |          | 246      | 60       |
| 60355 SKIKDA                     | 3653N    | 00654E    | 3         |           | 1015.8       | 1016.1         | 21.0        | 3.1    | 18.5           |        | 3             | 8     | -21    | 1        | 262      | 60       |
| 60360 ANNABA                     | 3650N    | 00749E    | 4         |           | 1015.0       | 1016.0         | 19.8        | 1.8    | 17.5           |        | 4             | 26    | -4     | 2        | 281      | 65       |
| 60367 EL-KALA                    | 3654N    | 00827E    | 13        |           | 1012.4       | 1013.8         | 20.3        |        | 17.7           |        | 4             | 65    |        |          |          |          |
| 60369 ALGER-PORT                 | 3646N    | 00306E    | 12        |           | 1015.3       | 1016.1         | 20.2        |        | 17.7           |        | 5             | 116   |        |          |          |          |
| 60387 DELLYS                     | 3655N    | 00357E    | 8         |           | 1014.2       | 1014.8         | 19.5        |        | 19.4           |        | 3             | 88    |        |          | 228      |          |
| 60390 DAR-EL-BEIDA               | 3641N    | 00313E    | 29        |           | 1012.4       | 1015.8         | 20.7        | 3.0    | 18.8           |        | 2             | 82    | 43     | 5        | 235      | 50       |
| 60395 TIZI-OUZOU                 | 3642N    | 00403E    | 189       |           | 997.0        | 1014.8         | 21.9        |        | 18.4           |        | 3             | 78    |        |          | 247      | 55       |
| 60401 BEJAIA-PORT                | 3645N    | 00506E    | 4         |           | 1015.8       | 1016.3         | 21.4        |        | 19.7           |        | 3             | 42    |        |          |          |          |
| 60402 BEJAIA-AEROPORT            | 3643N    | 00504E    | 3         |           | 1015.2       | 1016.1         | 20.3        | 2.7    | 19.4           |        | 5             | 53    | 12     | 4        | 236      | 50       |
| 60403 GUELMA                     | 3628N    | 00728E    | 228       |           | 990.0        | 1016.3         | 21.6        |        | 17.0           |        | 5             | 43    |        |          | 253      |          |
| 60405 BOUCHEGOUF                 | 3630N    | 00743E    | 111       |           | 1003.8       | 1016.6         | 22.2        |        | 16.5           |        | 4             | 12    |        |          |          |          |
| 60410 TENES                      | 3630N    | 00120E    | 18        |           | 1014.6       | 1016.7         | 19.9        |        | 19.8           |        | 5             | 102   |        |          | 211      | 45       |
| 60415 AIN-BESSAM                 | 3619N    | 00332E    | 748       |           | 931.5        | 1532 Y         | 20.7        |        | 16.0           |        | 8             | 46    |        |          | 244      | 55       |
| 60417 BOUIRA                     | 3623N    | 00353E    | 560       |           | 951.1        | 1014.2         | 21.4        |        | 15.6           |        | 6             | 64    |        |          | 242      | 55       |
| 60419 CONSTANTINE                | 3617N    | 00637E    | 694       |           | 937.9        | 1015.5         | 20.1        | 3.5    | 15.8           |        | 9             | 84    | 43     | 5        | 247      | 55       |
| 60421 OUM EL BOUAGHI             | 3552N    | 00707E    | 891       |           | 915.4        | 1527 Y         | 19.9        |        | 15.1           |        | 8             | 89    |        |          | 236      |          |
| 60423 SOUK AHRAS                 | 3617N    | 00758E    | 680       |           | 917.7        | 1498 Y         | 19.5        |        | 16.1           |        | 6             | 38    |        |          | 178      |          |
| 60425 CHLEF                      | 3613N    | 00120E    | 144       |           | 995.9        | 1014.6         | 24.4        | 4.3    | 15.8           |        | 5             | 88    | 54     | 5        | 247      |          |
| 60430 MILIANA                    | 3618N    | 00214E    | 721       |           | 934.7        | 1014.9         | 21.6        | 4.3    | 14.4           |        | 5             | 152   | 105    | 6        | 257      |          |
| 60437 MEDEA                      | 3617N    | 00244E    | 1036      |           | 898.2        | 1507 Y         | 19.5        |        | 13.7           |        | 9             | 215   |        |          | 265      |          |
| 60444 BORDJ-BOU-ARRERIDJ         | 3604N    | 00446E    | 930       |           | 936.4        | 1537 Y         | 20.2        |        | 14.3           |        | 9             | 106   |        |          | 257      |          |
| 60445 SETIF                      | 3611N    | 00515E    | 1040      |           | 903.2        | 1531 Y         | 19.2        |        | 13.4           |        | 10            | 79    |        |          | 267      |          |
| 60452 ARZEW                      | 3549N    | 00016W    | 4         |           | 1013.4       | 1015.5         | 20.4        |        | 18.5           |        | 4             | 18    |        |          | 186      | 40       |
| 60457 MOSTAGANEM                 | 3553N    | 00007E    | 138       |           | 998.5        | 1014.9         | 20.0        |        | 18.1           |        | 4             | 111   |        |          | 237      |          |
| 60461 ORAN-PORT                  | 3542N    | 00039W    | 22        |           | 1013.0       | 1015.5         | 19.4        |        | 17.8           |        | 3             | 17    |        |          |          |          |
| 60467 M'SILA                     | 3540N    | 00430E    | 442       |           | 964.1        | 1013.7         | 24.8        |        | 14.6           |        | 11            | 28    |        |          | 271      | 60       |
| 60468 BATNA                      | 3545N    | 00619E    | 826       |           | 923.2        | 1531 Y         | 20.1        | 4.1    | 13.7           |        | 7             | 93    | 61     | 5        | 255      |          |
| 60471 BARIKA                     | 3520N    | 00520E    | 461       |           | 962.8        | 1014.6         | 24.3        |        | 15.1           |        | 4             | 36    |        |          | 267      | 60       |
| 60475 TEBESSA                    | 3525N    | 00807E    | 823       |           | 924.3        | 1537 Y         | 21.3        | 3.9    | 13.4           |        | 4             | 32    | -4     | 3        | 261      | 60       |
| 60476 KHENCHELLA                 | 3528N    | 00705E    | 987       |           | 906.0        | 1532 Y         | 20.1        |        | 13.8           |        | 7             | 149   |        |          | 191      |          |
| 60490 ORAN-SENIA                 | 3538N    | 00036W    | 91        |           | 1004.7       | 1015.2         | 20.2        | 1.9    | 16.9           |        | 4             | 19    | -10    | 4        | 221      | 50       |

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| STATION                | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                        |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 60506 MASCARA-MATEMORE | 3536N    | 00018E    | 476       |           | 960.7        | 1014.5         | 21.6        |        | 15.1           |        | 6             | 50    |        |          | 225      | 50       |
| 60511 TIARET           | 3521N    | 00128E    | 978       |           | 906.2        | 1522 Y         | 19.4        |        | 13.5           |        | 7             | 75    |        |          | 255      | 60       |
| 60514 KSAR CHELLALA    | 3510N    | 00219E    | 801       |           | 926.6        | 1540 Y         | 21.8        |        | 13.2           |        | 9             | 78    |        |          | 241      | 55       |
| 60515 BOU-SAADA        | 3520N    | 00412E    | 461       |           | 964.2        | 1015.8         | 25.4        |        | 14.8           |        | 8             | 31    |        |          | 246      |          |
| 60517 GHAZAOUET        | 3506N    | 00152W    | 5         |           | 1015.9       | 1016.4         | 20.0        |        | 18.0           |        | 5             | 74    |        |          |          |          |
| 60518 BENI-SAF         | 3518N    | 00121W    | 70        |           | 1006.0       | 1014.2         | 19.5        |        | 18.9           |        | 7             | 31    |        |          | 172      | 40       |
| 60520 SIDI-BEL-ABBES   | 3512N    | 00037W    | 476       |           | 961.6        | 1015.6         | 21.1        |        | 14.6           |        | 3             | 26    |        |          | 230      |          |
| 60522 MAGHNIA          | 3449N    | 00147W    | 428       |           | 966.6        | 1015.2         | 20.9        |        | 14.7           |        | 5             | 46    |        |          | 235      |          |
| 60525 BISKRA           | 3448N    | 00544E    | 89        |           | 1003.9       | 1014.0         | 28.4        | 3.6    | 12.2           |        | 3             | 12    | 0      | 3        | 269      |          |
| 60531 TLEMCCEN-ZENATA  | 3501N    | 00128W    | 247       |           | 987.3        | 1015.8         | 20.1        |        | 16.4           |        | 9             | 45    |        |          | 220      | 50       |
| 60535 DJELFA           | 3420N    | 00323E    | 1185      |           | 884.4        | 1525 Y         | 20.0        | 3.7    | 12.0           |        | 9             | 37    | 1      | 3        | 241      | 55       |
| 60536 SAIDA            | 3452N    | 00009E    | 752       |           | 929.5        | 1508 Y         | 20.7        |        | 14.1           |        | 7             | 44    |        |          | 235      | 80       |
| 60540 EL-KHEITER       | 3409N    | 00004E    | 1001      |           | 901.1        | 1504 Y         | 21.5        |        | 11.1           |        | 6             | 51    |        |          | 266      | 60       |
| 60545 LAGHOUAT         | 3346N    | 00256E    | 763       |           | 928.9        | 1523 Y         | 24.1        |        | 13.1           |        | 1             | 5     |        |          | 234      | 55       |
| 60549 MECHERIA         | 3335N    | 00017W    | 1150      |           | 892.1        |                | 22.2        |        | 11.2           |        | 6             | 30    |        |          | 287      |          |
| 60550 EL-BAYADH        | 3340N    | 00100E    | 1347      |           | 868.3        | 1530 Y         | 19.9        |        | 10.1           |        | 8             | 71    |        |          | 262      |          |
| 60555 TOUGGOURT        | 3307N    | 00608E    | 92        |           | 1003.5       | 1013.9         | 28.5        |        | 11.3           |        | 01            | 1     |        |          | 282      |          |
| 60557 NAAMA            | 3316N    | 00018W    | 1166      |           | 886.0        | 1524 Y         | 21.5        |        | 9.9            |        | 5             | 21    |        |          | 274      |          |
| 60559 EL-OUED          | 3330N    | 00647E    | 69        |           | 1005.8       | 1013.6         | 28.1        | 3.4    | 11.9           |        | 0             | T     | -5     | 2        | 279      |          |
| 60560 AIN-SEFRA        | 3246N    | 00036W    | 1059      |           | 895.0        | 1509 Y         | 22.7        |        | 12.1           |        | 4             | 43    |        |          | 264      |          |
| 60563 HASSIR'MEL       | 3256N    | 00317E    | 764       |           | 928.6        | 1536 Y         | 25.4        |        | 15.0           |        | 4             | 13    |        |          | 270      | 60       |
| 60566 GHARDAIA         | 3224N    | 00348E    | 469       |           | 961.2        | 1013.3         | 28.3        | 3.8    | 11.0           |        | 01            | 1     | -3     | 3        | 272      |          |
| 60571 BECHAR           | 3130N    | 00215W    | 816       |           | 923.0        | 1527 Y         | 27.1        | 2.9    | 8.6            |        | 6             | 27    | 21     | 5        | 299      | 70       |
| 60580 OUARGLA          | 3156N    | 00524E    | 148       |           | 995.6        | 1012.1         | 30.0        |        | 11.6           |        | 0             | 0     |        |          | 254      |          |
| 60581 HASSI-MESSAOUD   | 3140N    | 00609E    | 144       |           | 996.4        | 1012.5         | 30.3        | 4.0    | 11.0           |        | 1             | 2     | 0      | 4        |          |          |
| 60590 EL-GOLEA         | 3034N    | 00252E    | 403       |           | 967.6        | 1012.4         | 28.6        | 3.4    | 13.4           |        | 1             | 16    | 15     | 5        | 277      | 65       |
| 60602 BENI-ABBES       | 3008N    | 00210W    | 505       |           | 954.6        | 1009.9         | 29.6        | 3.1    | 9.5            |        | 2             | 6     | 4      | 5        | 311      |          |
| 60607 TIMIMOUN         | 2915N    | 00017E    | 317       |           | 974.9        | 1010.1         | 30.1        | 2.8    | 8.9            |        | 2             | 9     | 8      | 5        | 301      |          |
| 60620 ADRAR            | 2753N    | 00011W    | 283       |           | 978.0        | 1009.3         | 31.6        | 3.5    | 8.6            |        | 2             | 4     | 3      | 5        | 299      |          |
| 60630 IN-SALAH         | 2714N    | 00230E    | 269       |           | 979.5        | 1009.1         | 33.0        | 2.9    | 10.1           |        | 0             | T     | -1     | 4        | 309      | 100      |
| 60640 ILLIZI           | 2630N    | 00825E    | 544       |           | 949.9        | 1009.2         | 30.8        |        | 10.3           |        | 2             | 2     |        |          |          |          |
| 60656 TINDOUF          | 2742N    | 00810W    | 443       |           | 959.6        | 1009.1         | 27.7        |        | 10.7           |        | 0             | 0     |        |          | 344      |          |
| 60670 DJANET           | 2416N    | 00928E    | 970       |           | 905.7        | 1529 Y         | 29.2        | -3     | 6.1            |        | 1             | 3     | 2      | 5        |          | 105      |
| 60680 TAMANRASSET      | 2248N    | 00526E    | 1364      |           | 864.0        | 1521 Y         | 27.6        | 1.5    | 5.6            |        | 0             | 0     | -6     | 2        | 301      | 105      |
| <b>TUNISIA</b>         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60715 TUNIS-CARTHAGE   | 3650N    | 01014E    | 4         |           | 1015.8       | 1016.3         | 22.7        | 3.4    | 16.2           |        | 5             | 35    | 13     | 4        | 302      | 107      |
| 60725 JENDOUBA         | 3629N    | 00848E    | 144       |           | 999.9        | 1016.4         | 22.1        | 3.0    | 16.4           |        | 7             | 32    | 3      | 4        | 230      | 85       |
| 60735 KAIROUAN         | 3540N    | 01006E    | 68        |           | 1008.6       | 1016.5         | 24.7        | 3.7    | 15.0           |        | 7             | 71    | 53     | 6        | 263      | 88       |
| 60745 GAFSA            | 3425N    | 00849E    | 314       |           | 979.6        | 1014.4         | 24.8        | 3.1    | 10.7           |        | 01            | 1     | -11    | 2        | 270      | 88       |
| 60765 GABES            | 3353N    | 01006E    | 5         |           | 1015.2       | 1015.8         | 22.8        | 2.0    | 18.3           |        | 4             | 83    | 77     | 6        | 285      | 91       |
| <b>NIGER</b>           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 61017 BILMA            | 1841N    | 01255E    | 357       |           | 968.1        | 1007.1         | 33.1        |        | 9.8            |        | 0             | 0     |        | 5        | 299      | 90       |
| 61024 AGADEZ           | 1658N    | 00759E    | 502       |           | 952.1        | 1005.9         | 34.9        |        | 8.9            |        | 0             | 0     |        |          | 211      | 70       |



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| STATION                                    | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 61036 TILLABERY                            | 1412N    | 00127E    | 210       |           | 983.1        | 1005.4         | 33.6        |        | 17.2           |        | 3             | 31    |        | 4        | 267      | 100      |
| 61045 GOURE                                | 1359N    | 01018E    | 464       |           |              |                | 33.9        |        | 14.9           |        | 0             | 0     |        | 5        | 262      |          |
| 61049 N'GUIGMI                             | 1415N    | 01307E    | 286       |           | 974.9        | 1006.3         | 34.4        |        | 18.0           |        | 1             | 3     |        | 4        | 251      | 80       |
| 61052 NIAMEY-AERO                          | 1329N    | 00210E    | 227       |           | 982.7        | 1007.0         | 34.6        |        | 20.1           |        | 0             | 0     |        | 1        | 240      | 85       |
| 61075 BIRNI-N'KONNI                        | 1348N    | 00515E    | 273       |           | 977.4        | 1007.2         | 33.7        |        | 20.1           |        | 2             | 18    |        | 2        | 251      | 85       |
| 61080 MARADI                               | 1328N    | 00705E    | 373       |           | 965.1        | 1005.7         | 32.7        |        | 19.2           |        | 2             | 3     |        | 1        | 245      | 85       |
| 61091 MAGARIA                              | 1259N    | 00856E    | 403       |           | 963.8        | 1007.7         | 32.4        |        | 18.4           |        | 5             | 26    |        | 3        |          |          |
| <b>61096 MAINE-SOROA</b>                   | 1314N    | 01159E    | 338       |           | 969.2        | 1005.7         | 34.2        |        | 19.7           |        | 0             | 0     |        | 1        | 240      | 80       |
| 61099 GAYA                                 | 1153N    | 00327E    | 203       |           | 986.8        | 1009.2         | 32.1        |        | 24.2           |        | 8             | 49    |        | 2        | 237      | 85       |
| <b>MALI</b>                                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>61223 TOMBOUCTOU</b>                    | 1643N    | 00300W    | 264       |           | 979.3        | 1008.1         | 34.2        |        | 9.7            |        | 2             | 6     | 2      | 5        | 266      | 97       |
| 61240 HOMBORI                              | 1520N    | 00141W    | 288       |           |              | 1006.9         | 35.8        | .3     | 11.7           |        | 1             | 13    | 5      | 0        |          |          |
| 61265 MOPTI                                | 1431N    | 00406W    | 276       |           | 978.2        | 1007.2         | 34.2        | 1.1    | 11.9           |        | 1             | 8     | -15    |          |          |          |
| 61272 SEGOU                                | 1324N    | 00609W    | 289       |           | 976.9        | 1008.4         | 32.8        | .4     | 21.4           |        | 3             | 44    | 12     |          |          |          |
| 61291 BAMAKO/SENOU                         | 1232N    | 00757W    | 381       |           | 968.3        | 1008.5         | 30.1        | -1.3   | 24.0           |        | 7             | 134   | 88     |          | 264      | 109      |
| <b>MAURITANIA</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>61401 BIR MOGHREIN</b>                  | 2514N    | 01137W    | 364       |           | 971.1        | 1011.4         | 26.0        |        | 18.6           |        |               |       |        |          |          |          |
| 61404 ZOUERATE                             | 2245N    | 01229W    | 343       |           | 973.8        | 1012.2         | 26.8        |        | 13.4           |        | 0             | T     |        | 4        |          |          |
| <b>61415 NOUADHIBOU</b>                    | 2056N    | 01702W    | 5         |           | 1014.2       | 1014.7         | 20.7        |        | 18.5           |        | 0             | 0     |        | 5        | 332      | 115      |
| <b>61421 ATAR</b>                          | 2031N    | 01304W    | 226       |           | 986.7        | 1013.2         | 25.7        |        | 11.5           |        | 2             | 20    |        | 4        |          |          |
| 61437 AKJOUJT                              | 1945N    | 01422W    | 123       |           | 999.6        | 1011.3         | 31.0        |        | 13.4           |        | 0             | 0     |        | 5        |          |          |
| 61442 NOUAKCHOTT                           | 1806N    | 01557W    | 3         |           | 1011.5       | 1011.9         | 24.6        |        | 19.0           |        |               |       |        |          | 333      |          |
| <b>61450 TIDJIKJA</b>                      | 1834N    | 01126W    | 402       |           | 966.2        | 1010.0         | 32.4        |        | 13.2           |        | 3             | 21    |        | 5        |          |          |
| <b>SENEGAL</b>                             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 61600 SAINT-LOUIS                          | 1603N    | 01627W    | 4         |           | 1011.6       | 1012.1         | 23.4        |        | 21.8           | 2.1    | 0             | 0     | -1     | 1        | 311      | 110      |
| <b>61612 PODOR</b>                         | 1639N    | 01458W    | 7         |           | 1010.2       | 1011.0         | 31.2        |        | 15.1           | 2.2    | 0             | 0     | -1     | 4        | 279      |          |
| 61627 LINGUERE                             | 1523N    | 01507W    | 21        |           | 1007.9       | 1010.2         | 31.3        |        | 19.0           | 3.2    | 0             | 0     | -1     | 4        | 295      | 110      |
| 61630 MATAM                                | 1539N    | 01315W    | 17        |           | 1007.3       | 1009.2         | 35.0        |        | 12.8           | -1.0   | 0             | 0     | -1     | 3        | 281      | 95       |
| <b>61641 DAKAR/YOFF</b>                    | 1444N    | 01730W    | 27        |           | 1009.5       | 1012.8         | 22.8        |        | 22.6           | .5     | 0             | 0     |        |          | 304      | 104      |
| 61666 DIORBEL                              | 1439N    | 01614W    | 9         |           | 1010.5       | 1011.5         | 30.0        |        | 19.2           | 1.2    | 0             | 0     | -1     |          | 294      | 105      |
| 61679 KAOLACK                              | 1408N    | 01604W    | 7         |           | 1011.5       | 1012.3         | 29.6        |        | 22.2           |        | 0             | 0     | -1     | 1        | 313      | 105      |
| <b>61687 TAMBACOUNDA</b>                   | 1346N    | 01341W    | 50        |           | 1004.3       | 1009.9         | 32.0        |        | 19.2           | 1.6    | 0             | 0     | -17    |          | 294      | 105      |
| 61695 ZIGUINCHOR                           | 1233N    | 01616W    | 26        |           | 1011.5       | 1012.3         | 29.6        |        | 22.0           | -1.0   | 01            | 1     | -2     | 0        | 313      | 110      |
| 61698 KOLDA                                | 1253N    | 01458W    | 10        |           | 1010.1       | 1011.2         | 31.5        |        |                |        | 2             | 16    | 4      | 1        | 237      | 86       |
| 61699 KEDOUGOU                             | 1234N    | 01213W    | 178       |           | 990.5        | 1008.9         | 32.5        |        | 27.4           |        | 6             | 56    | 9      | 6        | 275      | 103      |
| <b>OCEAN ISLANDS</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>61901 ST. HELENA IS.</b>                | 1556S    | 00540W    | 436       |           | 967.6        | 1018.1         | 19.4        |        |                |        | 6             | 20    |        |          | 146      | 100      |
| 61976 SERGE-FROLOW (ILE TROMELIN)          | 1548S    | 05430E    | 13        |           | 1012.8       | 1015.0         | 26.7        |        | 25.3           |        | 7             | 54    |        | 6        | 266      |          |
| <b>61996 MARTIN DE VIVIES (ILE AMSTER)</b> | 3748S    | 07730E    | 29        |           | 1013.7       | 1018.4         | 15.1        |        | 13.0           |        | 17            | 113   | 3      | 6        |          |          |

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| STATION                                   | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>61998 PORT-AUX-FRANCAIS (ILES KERG</b> | 4918S    | 07012E    | 29        |           | 1001.7       | 1005.2         | 4.3         | .6     | 6.6            |        | 6             | 33    | -36    | 1        | 91       | 97       |
| <b>MAURITIUS</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>61974 AGALEGA</b>                      | 1026S    | 05645E    | 3         |           | 1012.3       | 1012.8         | 27.1        | .2     | 28.8           | .2     | 8             | 32    | -82    | 1        | 290      |          |
| <b>61986 ST. BRANDON (ST. RAPHAEL)</b>    | 1627S    | 05937E    | 4         |           | 1013.9       | 1014.3         | 26.5        | .6     | 26.3           | -.3    | 4             | 9     | -58    | 1        |          |          |
| <b>61988 RODRIGUES</b>                    | 1941S    | 06325E    | 59        |           | 1009.5       | 1015.8         | 24.5        | .3     | 22.8           | .1     | 10            | 67    | -20    | 3        | 228      | 94       |
| <b>61990 PLAISANCE (MAURITIUS)</b>        | 2026S    | 05741E    | 57        |           | 1010.6       | 1016.9         | 23.9        | .7     | 22.6           | -.4    | 10            | 50    | -98    | 1        |          |          |
| <b>LIBYAN ARAB JAMAHIRIYA</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>62010 TRIPOLI INTERNATIONAL AIRPOR</b> | 3242N    | 01305E    | 63        |           | 1006.0       | 1015.3         | 24.2        |        | 12.7           |        | 2             | 12    |        | 5        | 299      | 110      |
| <b>EGYPT</b>                              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>62306 MERSA MATRUH</b>                 | 3120N    | 02713E    | 28        |           | 1011.9       | 1015.5         | 20.2        | .0     | 16.2           | -.8    | 0             | 0     |        | 1        | 361      | 114      |
| <b>62337 EL ARISH</b>                     | 3105N    | 03349E    | 32        |           | 1009.3       | 1012.7         | 20.9        | -.1    | 17.1           | .8     | 0             | T     |        | 0        |          |          |
| <b>62378 HELWAN</b>                       | 2952N    | 03120E    | 141       |           | 995.9        | 1012.5         | 24.3        | -.4    | 12.9           | 1.2    | 0             | 0     |        | 0        | 343      | 109      |
| <b>62414 ASSWAN</b>                       | 2358N    | 03247E    | 200       |           | 987.0        | 1008.8         | 31.7        | .3     | 7.1            | -.4    | 0             | T     |        | 5        | 335      | 97       |
| <b>62417 SIWA</b>                         | 2912N    | 02519E    | -13       |           | 1014.8       | 1013.2         | 26.3        | .5     | 12.2           | 1.3    | 0             | 0     |        | 0        | 373      | 117      |
| <b>62435 KHARGA</b>                       | 2527N    | 03032E    | 78        |           | 1000.1       | 1010.0         | 29.4        | -.9    | 13.9           | 2.6    | 0             | 0     |        | 3        | 336      | 100      |
| <b>SUDAN</b>                              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>62600 WADI HALFA</b>                   | 2149N    | 03121E    | 190       |           | 987.1        | 1007.6         | 32.5        | 1.0    | 9.9            |        | 0             | 0     | -T     | 0        | 340      | 80       |
| <b>62640 ABU HAMED</b>                    | 1932N    | 03319E    | 312       |           | 971.5        | 1005.9         | 34.6        | 1.1    | 10.5           |        | 0             | T     | -1     | 4        | 399      | 85       |
| <b>62641 PORT SUDAN</b>                   | 1935N    | 03713E    | 42        |           | 1003.7       | 1008.7         | 31.2        | 1.9    | 16.7           |        | 0             | 0     | -1     | 0        | 306      | 75       |
| <b>62650 DONGOLA</b>                      | 1910N    | 03029E    | 226       |           | 981.7        | 1007.7         | 33.8        | 1.7    | 8.3            |        | 0             | T     | 0      | 0        | 318      | 80       |
| <b>62660 KARIMA</b>                       | 1833N    | 03151E    | 249       |           | 977.9        | 1006.7         | 34.6        | 1.1    | 8.6            |        | 1             | 2     | 1      | 5        | 307      | 75       |
| <b>62680 ATBARA</b>                       | 1742N    | 03358E    | 347       |           | 967.2        | 1005.1         | 34.7        | .6     | 14.0           |        | 2             | 9     | 6      | 5        | 301      | 75       |
| <b>62721 KHARTOUM</b>                     | 1536N    | 03233E    | 382       |           | 963.3        | 1005.7         | 34.9        | .4     | 13.4           |        | 1             | 10    | 6      | 5        |          |          |
| <b>62730 KASSALA</b>                      | 1528N    | 03624E    | 500       |           |              |                | 33.9        | .2     | 14.8           |        | 3             | 7     | -1     | 3        | 313      | 75       |
| <b>62751 WAD MEDANI</b>                   | 1424N    | 03329E    | 408       |           | 962.5        | 1007.0         | 31.3        | -1.8   | 15.5           |        | 9             | 30    | 17     | 5        | 281      | 75       |
| <b>62752 GEDAREF</b>                      | 1402N    | 03524E    | 599       |           | 940.7        | 1005.9         | 32.7        | .0     | 18.1           |        | 7             | 43    | 22     | 4        | 270      | 70       |
| <b>62760 EL FASHER</b>                    | 1337N    | 02520E    | 733       |           | 927.1        | 1005.1         | 33.3        | 3.2    | 10.3           |        | 1             | 1     | -6     | 2        | 266      | 65       |
| <b>62762 SENNAR</b>                       | 1333N    | 03337E    | 418       |           | 958.9        | 1004.5         | 32.7        | -.1    | 17.9           |        | 3             | 13    | -7     | 3        | 251      | 60       |
| <b>62770 GENINA</b>                       | 1329N    | 02227E    | 805       |           | 922.1        | 1007.9         | 33.5        | 3.4    | 12.4           |        | 1             | 27    | 11     | 2        | 264      | 60       |
| <b>62771 EL OBEID</b>                     | 1310N    | 03014E    | 574       |           | 945.6        | 1006.0         | 32.4        | .4     | 14.5           |        | 1             | 3     | -5     | 2        | 239      | 60       |
| <b>62772 AROMA</b>                        | 1310N    | 03240E    | 381       |           | 964.5        | 1006.1         | 32.6        | -.7    | 19.4           |        | 2             | 48    | 35     | 5        | 255      | 65       |
| <b>62781 EN NAHUD</b>                     | 1242N    | 02826E    | 565       |           | 945.8        | 1006.9         | 32.9        | 1.2    | 16.6           |        | 0             | T     | -10    | 0        | 247      | 65       |
| <b>62790 NYALA</b>                        | 1203N    | 02453E    | 643       |           | 937.3        | 1000.7         | 31.4        | .1     | 14.0           |        | 3             | 18    | 0      | 3        | 220      | 55       |
| <b>62795 ABU NA'AMA</b>                   | 1244N    | 03408E    | 445       |           | 957.3        | 1006.0         | 31.3        | -1.1   | 20.9           |        | 8             | 40    | 7      | 4        | 246      | 60       |
| <b>62805 DAMAZINE</b>                     | 1147N    | 03423E    | 474       |           | 954.4        | 1005.9         | 30.3        | -1.4   | 21.4           |        | 11            | 61    | 21     | 4        | 223      | 85       |
| <b>62810 KADOGLLI</b>                     | 1100N    | 02943E    | 499       |           | 954.5        | 1009.4         | 31.7        | .0     | 19.2           |        | 9             | 0091  | 0031   | 5        | 224      | 60       |
| <b>62840 MALKAL</b>                       | 0933N    | 03139E    | 388       |           | 965.7        | 1009.0         | 28.6        | -1.2   | 23.1           |        | 7             | 0043  | -043   | 1        | 167      | 95       |
| <b>62941 JUBA</b>                         | 0452N    | 03136E    | 460       |           | 957.7        | 1009.7         | 26.1        | -1.8   | 3.5            |        | 13            | 188   | 40     | 5        | 155      | 40       |

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| STATION                                   | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>ETHIOPIA</b>                           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 63331 GONDAR                              | 1233N    | 03725E    | 1967      |           | 805.8        |                | 21.3        |        | 14.3           |        | 7             | 153   | 137    |          |          | 90       |
| 63402 JIMMA                               | 0740N    | 03650E    | 1725      |           |              |                | 20.9        |        | 19.8           |        | 15            | 184   |        |          |          |          |
| <b>63450 ADDIS ABABA-BOLE</b>             | 0902N    | 03845E    | 2354      |           | 773.4        | 1008.9         | 18.4        |        | 11.3           |        | 13            | 76    |        | 3        | 245      |          |
| 63471 DIREDAWA                            | 0936N    | 04151E    | 1260      |           |              |                | 28.4        |        | 17.3           |        | 8             | 29    |        |          |          |          |
| <b>UNITED REPUBLIC OF TANZANIA</b>        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 63756 MWANZA                              | 0228S    | 03255E    | 1140      |           | 887.5        | 1512 Y         | 22.5        |        | 20.8           |        | 14            | 127   | 51     |          | 219      |          |
| <b>63832 TABORA AIRPORT</b>               | 0505S    | 03250E    | 1190      |           | 882.6        | 1499 Y         | 22.1        |        | 19.6           |        | 8             | 117   | 90     |          | 258      |          |
| <b>63862 DODOMA</b>                       | 0610S    | 03546E    | 1120      |           | 891.6        | 1527 Y         | 22.4        |        | 17.8           |        | 1             | 1     | -2     |          | 273      |          |
| <b>63894 DAR ES SALAAM INT</b>            | 0652S    | 03912E    | 55        |           | 1007.7       | 1014.0         | 25.1        |        | 27.2           |        | 9             | 166   | -10    |          | 204      |          |
| <b>63962 SONGEA</b>                       | 1041S    | 03535E    | 1067      |           | 898.6        | 1543 Y         | 21.5        |        | 17.9           |        | 2             | 4     | -9     |          | 194      |          |
| 63971 MTWARA                              | 1016S    | 04011E    | 113       |           | 1001.4       | 1014.0         | 25.8        |        | 25.7           |        | 4             | 63    | 4      |          | 211      |          |
| <b>SEYCHELLES</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>63980 SEYCHELLES INTERNATIONAL AIR</b> | 0440S    | 05531E    | 3         |           | 1010.9       | 1011.3         | 28.6        | .9     | 29.8           | .5     | 7             | 41    | -83    | 2        | 304      | 121      |
| <b>DEMO. REPUBLIC OF THE CONGO</b>        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 64210 KINSHASA/N'DJILI                    | 0423S    | 01526E    | 312       |           | 976.1        | 1011.0         | 25.4        |        | 25.9           |        | 6             | 119   |        |          |          |          |
| 64360 LUBUMBASHI-LUANO                    | 1140S    | 02729E    | 1298      |           | 873.1        | 1529 Y         | 19.2        |        | 16.0           |        | 1             | 12    |        |          |          |          |
| <b>RWANDA</b>                             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 64387 KIGALI                              | 0158S    | 03007E    | 1497      |           | 852.3        | 1517 Y         | 20.6        |        | 19.9           |        | 10            | 118   | 26     |          |          |          |
| <b>CONGO</b>                              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 64401 DOLISIE                             | 0412S    | 01242E    | 331       |           |              |                | 25.0        |        | 26.9           |        | 3             | 36    |        |          |          |          |
| 64402 MOUYONDZI                           | 0400S    | 01357E    | 512       |           | 953.1        |                | 24.5        |        | 25.5           |        | 4             |       |        |          |          |          |
| 64405 SIBITI                              | 0341S    | 01321E    | 530       |           |              |                | 23.9        |        | 25.1           |        | 4             | 27    |        |          |          |          |
| 64450 BRAZZAVILLE /MAYA-MAYA              | 0415S    | 01515E    | 319       |           | 975.4        | 1010.6         | 25.8        |        | 26.1           |        | 6             | 103   |        | 2        | 176      | 95       |
| 64452 M'POUYA                             | 0237S    | 01613E    | 313       |           |              |                | 27.5        |        | 26.1           |        | 7             | 57    |        |          |          |          |
| 64453 DJAMBALA                            | 0232S    | 01446E    | 791       |           | 923.2        | 1008.6         | 23.7        |        | 23.9           |        | 3             | 97    |        |          |          |          |
| <b>BENIN</b>                              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>65306 KANDI</b>                        | 1108N    | 00256E    | 292       |           | 976.7        | 1008.9         | 30.4        | .0     | 25.8           | .3     | 8             | 84    | -23    | 3        | 222      | 82       |
| 65319 NATITINGOU                          | 1019N    | 00123E    | 461       |           | 959.6        | 1010.3         | 27.8        | -.3    | 27.1           | 1.2    | 13            | 123   | 15     | 4        | 213      | 87       |
| 65330 PARAKOU                             | 0921N    | 00237E    | 393       |           | 967.1        | 1010.6         | 27.3        | -.2    | 26.2           | .1     | 9             | 108   | -22    | 1        | 200      | 80       |
| <b>65335 SAVE</b>                         | 0802N    | 00228E    | 200       |           | 988.1        | 1010.5         | 27.0        | -.7    | 29.0           | 1.7    | 15            | 208   | 81     | 5        | 212      | 94       |
| 65338 BOHICON                             | 0710N    | 00204E    | 167       |           | 992.7        | 1011.5         | 26.7        | -1.1   | 29.3           | .5     | 14            | 279   | 126    | 6        | 185      | 88       |
| 65344 COTONOU                             | 0621N    | 00223E    | 9         |           | 1009.8       | 1010.9         | 27.9        | .1     | 31.1           | .3     | 11            | 164   | -32    | 2        | 171      | 80       |
| <b>GHANA</b>                              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

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| STATION                           | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 65442 KUMASI                      | 0643N    | 00136W    | 293       |           | 979.2        | 1012.3         | 26.3        |        | 27.4           |        | 13            | 187   |        |          | 197      | 50       |
| <b>BURKINA FASO</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>65501 DORI</b>                 | 1402N    | 00002W    | 277       |           | 977.2        | 1007.5         | 34.5        |        | 16.8           |        | 1             | 6     |        | 1        | 240      |          |
| 65503 OUAGADOUGOU                 | 1221N    | 00131W    | 316       |           | 975.2        | 1008.6         | 32.9        |        | 23.0           |        | 3             | 13    |        | 1        | 225      | 80       |
| 65505 DEDOUGOU                    | 1228N    | 00329W    | 300       |           | 975.5        | 1008.4         | 32.0        |        | 22.1           |        | 6             | 63    |        | 3        |          |          |
| 65507 FADA N'GOURMA               | 1202N    | 00022E    | 309       |           | 974.9        | 1008.8         | 31.5        |        | 23.4           |        | 6             | 43    |        | 1        | 245      |          |
| <b>65516 BOROMO</b>               | 1145N    | 00256W    | 271       |           | 978.8        | 1008.5         | 32.3        |        | 23.2           |        | 4             | 27    |        | 1        | 220      |          |
| 65518 PO                          | 1109N    | 00109W    | 322       |           | 973.1        | 1010.9         | 30.2        |        | 24.8           |        | 3             | 57    |        | 2        | 237      |          |
| 65522 GAOUA                       | 1020N    | 00311W    | 335       |           | 977.6        | 1009.9         | 29.1        |        | 26.2           |        | 10            | 128   |        | 4        | 236      |          |
| <b>COTE D'IVOIRE</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 65545 BONDOUKOU                   | 0803N    | 00247W    | 370       |           | 969.6        | 1011.1         | 26.5        | -1     | 26.9           | -5     | 12            | 256   | 100    | 5        | 193      | 93       |
| 65557 GAGNOA                      | 0608N    | 00557W    | 210       |           | 988.7        | 1011.5         | 26.1        | -7     | 29.3           | .7     | 18            | 295   | 118    |          | 170      | 81       |
| 65562 DIMBOKRO                    | 0639N    | 00442W    | 92        |           |              |                | 26.2        | -2.0   | 30.5           | 1.8    | 6             | 136   | -25    | 2        | 189      | 88       |
| 65585 ADIAKE                      | 0518N    | 00318W    | 39        |           |              |                | 26.7        | -4     | 30.7           | .4     | 16            | 274   | -13    |          | 170      | 94       |
| 65592 TABOU                       | 0425N    | 00722W    | 21        |           | 1009.6       | 1011.9         | 26.4        | .1     | 30.1           | -2     | 19            | 361   | -6     | 2        | 151      | 96       |
| 65594 SAN PEDRO                   | 0445N    | 00639W    | 30        |           | 1010.5       | 1013.7         | 26.9        |        | 31.5           |        | 19            | 194   |        |          | 179      |          |
| 65599 SASSANDRA                   | 0457N    | 00605W    | 66        |           | 1003.8       | 1011.2         | 26.5        | .0     | 30.4           | .3     | 14            | 174   | -61    | 1        | 171      | 94       |
| <b>SOUTH AFRICA</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>68174 PIETERSBURG</b>          | 2350S    | 02925E    | 1228      |           | 882.9        | 1546 Y         | 13.9        |        | 9.6            |        | 1             | 2     | -9     | 2        | 281      | 104      |
| 68242 MMABATHO                    | 2547S    | 02532E    | 1281      |           | 877.0        | 1543 Y         | 12.9        |        | 8.8            |        | 5             | 12    |        |          | 287      |          |
| 68262 PRETORIA                    | 2544S    | 02811E    | 1326      |           | 874.2        | 1543 Y         | 13.6        |        | 8.7            |        | 01            | 1     | -12    | 2        | 275      | 98       |
| 68368 JOHANNESBURG INTNL. AIRPORT | 2609S    | 02814E    | 1720      |           | 834.2        | 1539 Y         | 11.2        |        | 6.8            |        | 01            | 1     | -12    | 1        | 275      | 100      |
| <b>68424 UPINGTON</b>             | 2825S    | 02116E    | 851       |           | 923.4        | 1537 Y         | 13.9        |        | 8.1            |        | 5             | 18    | 8      | 4        | 282      | 97       |
| <b>68438 KIMBERLEY</b>            | 2848S    | 02446E    | 1204      |           | 885.5        | 1537 Y         | 11.0        |        | 8.1            |        | 4             | 20    | 4      | 4        | 271      | 96       |
| 68442 BLOEMFONTEIN AIRPORT        | 2906S    | 02618E    | 1359      |           | 869.4        | 1538 Y         | 8.6         |        | 7.2            |        | 3             | 10    | -8     | 3        | 254      | 95       |
| 68461 BETHLEHEM                   | 2815S    | 02820E    | 1690      |           | 835.2        | 1543 Y         | 7.8         |        | 7.3            |        | 6             | 23    |        | 4        | 242      | 95       |
| 68512 SPRINGBOK                   | 2940S    | 01754E    | 1007      |           | 905.0        | 1537 Y         | 14.3        |        | 10.5           |        | 7             | 94    |        | 5        | 242      |          |
| 68538 DE AAR                      | 3039S    | 02400E    | 1287      |           | 875.8        | 1534 Y         | 9.9         |        | 8.0            |        | 5             | 33    |        | 4        | 250      |          |
| 68588 DURBAN INTNL. AIRPORT       | 2958S    | 03057E    | 14        |           | 1016.2       | 1017.8         | 18.2        |        | 14.9           |        | 10            | 110   | 51     | 5        | 233      | 104      |
| <b>68618 CALVINIA</b>             | 3128S    | 01946E    | 975       |           | 908.1        | 1530 Y         | 11.4        |        | 8.5            |        | 9             | 72    |        | 5        | 207      | 75       |
| 68816 CAPE TOWN INTNL. AIRPORT    | 3358S    | 01836E    | 46        |           | 1012.8       | 1017.8         | 14.6        |        | 12.5           |        | 12            | 122   | 54     | 5        | 175      | 85       |
| 68828 GEORGE AIRPORT              | 3401S    | 02223E    | 191       |           | 994.5        | 1017.2         | 15.3        |        | 11.7           |        | 8             | 77    |        |          | 198      | 100      |
| 68842 PORT ELIZABETH              | 3359S    | 02537E    | 69        |           | 1009.6       | 1017.2         | 15.1        |        | 11.9           |        | 6             | 147   | 88     | 5        | 211      | 95       |
| <b>68858 EAST LONDON</b>          | 3302S    | 02750E    | 131       |           | 1004.0       | 1017.8         | 16.1        |        | 12.3           |        | 4             | 127   | 75     | 5        | 222      | 98       |
| <b>68994 MARION ISLAND</b>        | 4653S    | 03752E    | 22        |           | 1005.8       | 1008.7         | 5.5         |        | 7.8            |        | 22            | 245   | 13     | 4        | 59       | 72       |
| <b>N AMERICA</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>USA (ALASKA)</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

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| STATION                                   | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>70026 BARROW/W. POST W. ROGERS</b>     | 7117N    | 15640W    | 12        |           |              | 1018.1         | -4.4        | 2.7    |                |        | 0             | 0     | -4     | 0        |          |          |
| <b>70133 KOTZEBUE, RALPH WIEN</b>         | 6653N    | 16230W    | 5         |           |              | 1015.2         | -.4         | .0     | 5.4            |        | 4             | 13    | 5      | 4        |          |          |
| <b>70200 NOME, AK</b>                     | 6430N    | 16520W    | 6         |           |              | 1014.5         | 2.2         | .2     | 5.7            |        | 4             | 11    | -4     | 3        |          |          |
| <b>70219 BETHEL/BETHEL AIRPORT, AK</b>    | 6046N    | 16150W    | 44        |           |              | 1013.7         | 5.0         | .6     | 6.8            |        | 4             | 36    | 17     | 5        |          |          |
| <b>70231 MCGRATH, AK</b>                  | 6257N    | 15530W    | 103       |           |              | 1012.6         | 9.0         | 2.1    | 6.6            |        | 2             | 7     | -15    | 1        |          |          |
| 70249 PUNTILLA                            | 6206N    | 15240W    | 560       |           |              |                | 5.5         |        | 7.7            |        | 2             | 3     |        |          |          |          |
| <b>70251 TALKEETNA</b>                    | 6218N    | 15000W    | 109       |           |              | 1012.1         | 9.6         | 2.4    | 6.3            |        | 4             | 31    | -11    | 2        |          |          |
| <b>70261 FAIRBANKS/INT., AK</b>           | 6448N    | 14750W    | 135       |           |              | 1012.1         | 10.1        | .9     | 6.9            |        | 3             | 5     | -10    | 6        |          |          |
| 70273 ANCHORAGE/INT., AK                  | 6109N    | 14950W    | 50        |           |              | 1012.0         | 9.3         | 1.2    | 6.6            |        | 3             | 14    | -4     | 3        |          |          |
| <b>70308 ST. PAUL ISLANDS, AK</b>         | 5709N    | 17010W    | 10        |           |              | 1015.4         | 1.7         | -.1    | 5.6            |        | 4             | 23    | -9     | 2        |          |          |
| <b>70316 COLD BAY, AK</b>                 | 5512N    | 16240W    | 31        |           |              | 1013.9         | 4.5         | .3     | 7.0            |        | 11            | 32    | -26    | 2        |          |          |
| <b>70326 KING SALMON, AK</b>              | 5840N    | 15630W    | 14        |           |              | 1010.9         | 7.3         | 1.5    | 6.6            |        | 6             | 26    | -8     | 3        |          |          |
| <b>70341 HOMER/MUNICIPAL</b>              | 5938N    | 15130W    | 24        |           |              | 1012.2         | 7.6         | 1.6    | 7.0            |        | 3             | 13    | -16    | 2        |          |          |
| <b>70361 YAKUTAT, AK</b>                  | 5931N    | 13940W    | 13        |           |              | 1014.2         | 7.3         | 1.0    | 6.8            |        | 16            | 286   | 41     | 6        |          |          |
| <b>70398 ANNETTE ISLAND, AK</b>           | 5502N    | 13130W    | 35        |           |              | 1017.4         | 9.8         | .4     | 6.8            |        | 16            | 137   | -16    | 3        |          |          |
| <b>USA</b>                                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>72201 KEY WEST/INT., FL</b>            | 2433N    | 08145W    | 5         |           |              | 1015.2         | 26.0        | -1.0   | 23.3           |        | 5             | 109   | 22     | 4        |          |          |
| 72203 WEST PALM BEACH/ INT. FL.           | 2641N    | 08006W    | 7         |           |              | 1015.2         | 25.3        | .0     | 22.1           |        | 7             | 80    | -75    | 2        |          |          |
| 72205 ORLANDO/JETPORT FL.                 | 2826N    | 08119W    | 32        |           |              | 1014.9         | 24.9        | .0     | 19.0           |        | 5             | 85    | -5     | 3        |          |          |
| 72206 JACKSONVILLE/INTNL.,                | 3029N    | 08142W    | 11        |           |              | 1014.4         | 23.6        | .6     | 17.1           |        | 5             | 51    | -39    | 2        |          |          |
| 72207 SAVANNAH/MUNICIPAL,                 | 3208N    | 08112W    | 15        |           |              | 1013.9         | 22.3        | -.8    | 16.2           |        | 5             | 17    | -86    | 6        |          |          |
| <b>72208 CHARLESTON/MUN., SC.</b>         | 3253N    | 08001W    | 15        |           |              | 1013.4         | 22.2        | -.5    | 16.9           |        | 4             | 69    | -32    | 2        |          |          |
| <b>72211 TAMPA/INT., FL.</b>              | 2758N    | 08232W    | 8         |           |              | 1015.3         | 25.1        | -.1    | 19.8           |        | 3             | 36    | -42    | 3        |          |          |
| 72214 TALLAHASSEE/MUN.,                   | 3023N    | 08421W    | 19        |           |              | 1014.7         | 23.4        | .3     | 17.4           |        | 11            | 103   | -17    | 3        |          |          |
| 72217 MACON/LEWIS B.WILSON, GA.           | 3242N    | 08339W    | 110       |           |              | 1013.8         | 21.7        | -.5    | 15.2           |        | 5             | 39    | -51    | 2        |          |          |
| 72218 AUGUSTA/BUSH FIELD,                 | 3322N    | 08158W    | 45        |           |              | 1013.2         | 21.5        | .0     | 15.8           |        | 8             | 42    | -53    | 2        |          |          |
| 72219 ATLANTA/MUN., GA.                   | 3339N    | 08425W    | 315       |           |              | 1014.0         | 21.0        | .3     | 15.4           |        | 8             | 73    | -36    | 3        |          |          |
| 72223 MOBILE/BATES FIELD,                 | 3041N    | 08815W    | 67        |           |              | 1015.1         | 23.4        | -.2    | 17.5           |        | 4             | 33    | -112   | 1        |          |          |
| 72226 MONTGOMERY/DANNELLY,                | 3218N    | 08624W    | 67        |           |              | 1014.4         | 22.3        | .1     | 17.3           |        | 15            | 71    | -28    | 3        |          |          |
| <b>72231 NEW ORLEANS/MOISANT INT., LA</b> | 2959N    | 09015W    | 9         |           |              | 1015.1         | 24.9        | 1.1    | 19.2           |        | 2             | 7     | -108   | 0        |          |          |
| <b>72234 MERIDIAN/KEY, MS.</b>            | 3220N    | 08845W    | 94        |           |              | 1014.4         | 22.5        |        | 18.7           |        | 9             | 178   |        | 5        |          |          |
| 72235 JACKSON/ALLEN C. THOMPSON FI        | 3219N    | 09004W    | 91        |           |              | 1014.4         | 22.7        | .5     | 17.2           |        | 6             | 77    | -51    | 3        |          |          |
| 72240 LAKE CHARLES/MUN.,                  | 3007N    | 09312W    | 5         |           |              | 1015.1         | 24.2        | .4     | 19.8           |        | 7             | 71    | -73    | 2        |          |          |
| 72242 GALVESTON, TX.                      | 2918N    | 09448W    | 16        |           |              | 1014.2         | 25.9        | 1.6    | 23.7           |        | 3             | 82    | -9     | 6        |          |          |
| 72243 HOUSTON/INTERCONTINENTAL, TX        | 2958N    | 09521W    | 33        |           |              | 1013.7         | 24.8        | 1.2    | 20.9           |        | 6             | 223   | 90     | 5        |          |          |
| <b>72248 SHREVEPORT/REG., LA.</b>         | 3227N    | 09350W    | 85        |           |              | 1013.5         | 24.1        | 1.5    | 18.2           |        | 3             | 31    | -100   | 1        |          |          |
| 72250 BROWNSVILLE/INT., TX                | 2555N    | 09725W    | 8         |           |              | 1012.2         | 27.6        | 1.0    | 23.8           |        | 3             | 88    | 14     | 6        |          |          |
| 72251 CORPUS CHRISTI/INT.,                | 2746N    | 09730W    | 15        |           |              | 1012.3         | 27.1        | 1.6    | 22.0           |        | 2             | 113   | 29     | 4        |          |          |
| <b>72253 SAN ANTONIO/INT.,</b>            | 2932N    | 09828W    | 247       |           |              | 1011.8         | 26.0        | 1.8    | 17.7           |        | 4             | 97    | -10    | 4        |          |          |
| 72254 AUSTIN/CTY, TX.                     | 3018N    | 09742W    | 193       |           |              | 1012.2         | 24.8        | .6     | 19.6           |        | 6             | 134   | 13     | 4        |          |          |
| 72255 VICTORIA/VICTORIA REGIONAL,         | 2851N    | 09655W    | 36        |           |              | 1013.1         | 25.5        | .7     | 20.5           |        | 5             | 228   | 114    | 5        |          |          |
| 72256 WACO, MADISON-COOPER,               | 3137N    | 09713W    | 157       |           |              | 1012.7         | 24.4        | .9     | 19.8           |        | 5             | 56    | -60    | 6        |          |          |
| 72259 DALLAS-FORT WORTH/FORT WORTH        | 3254N    | 09702W    | 182       |           |              | 1012.0         | 25.4        | 2.7    | 18.1           |        | 4             | 48    | -76    | 1        |          |          |
| 72263 SAN ANGELO/MATHIS,                  | 3126N    | 10030W    | 584       |           |              | 1010.7         | 25.2        | 1.8    | 14.3           |        | 4             | 48    | -28    | 3        |          |          |
| 72265 MIDLAND/MIDLAND REG. AIR TER        | 3156N    | 10210W    | 875       |           |              | 1009.0         | 25.0        | 2.3    | 11.5           |        | 2             | 4     | -46    | 1        |          |          |

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| STATION                             | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                     |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 72266 ABILENE/MUN., TX.             | 3225N    | 09941W    | 546       |           |              | 1011.1         | 23.8        | 1.2    | 16.1           |        | 6             | 86    | 11     | 4        |          |          |
| 72267 LUBBOCK/LUBBOCK INTERNATIONAL | 3339N    | 10140W    | 996       |           |              | 1009.5         | 23.1        | 2.3    | 11.2           |        | 6             | 55    | -4     | 3        |          |          |
| 72270 EL PASO/INT., TX.             | 3148N    | 10620W    | 1206      |           |              | 1007.4         | 25.7        | 3.6    | 5.0            |        | 3             | 23    | 17     | 5        |          |          |
| 72274 TUCSON/INT., AZ.              | 3207N    | 11050W    | 788       |           |              | 1009.0         | 26.1        | 2.8    | 5.3            |        | 0             | 0     | -4     | 2        |          |          |
| 72278 PHOENIX/SKY HARBOR,           | 3326N    | 11200W    | 344       |           |              | 1008.1         | 29.3        | 3.3    | 6.2            |        | 0             | 0     | -3     | 3        |          |          |
| 72290 SAN DIEGO/LINDBERGH,          | 3244N    | 11710W    | 9         |           |              | 1014.5         | 18.2        | .4     | 14.0           |        | 2             | 20    | 16     | 5        |          |          |
| 72295 LOS ANGELES /INT.,            | 3356N    | 11820W    | 38        |           |              | 1013.7         | 18.0        | .9     | 14.7           |        | 1             | 15    | 12     | 5        |          |          |
| 72304 CAPE HATTERAS, NC.            | 3516N    | 07533W    | 3         |           |              |                | 18.6        | -.8    |                |        | 7             | 39    | -62    | 1        |          |          |
| 72306 RALEIGH/RALEIGH-DURHAM, NC.   | 3552N    | 07847W    | 134       |           |              | 1012.8         | 18.6        | -.8    | 13.8           |        | 6             | 40    | -59    | 1        |          |          |
| 72308 NORFOLK/INT., VA.             | 3654N    | 07612W    | 9         |           |              | 1012.0         | 19.0        | .1     | 14.2           |        | 9             | 75    | -21    | 2        |          |          |
| 72310 COLUMBIA, SC.                 | 3357N    | 08107W    | 72        |           |              | 1013.1         | 21.5        | -.1    | 14.3           |        | 7             | 34    | -59    | 1        |          |          |
| 72312 GREENVILLE/GREENVILLE SPARTA  | 3454N    | 08213W    | 296       |           |              | 1012.6         | 19.7        | -.2    | 13.7           |        | 5             | 31    | -81    | 1        |          |          |
| 72314 CHARLOTTE/DOUGLAS,            | 3513N    | 08056W    | 234       |           |              | 1013.0         | 18.7        | -1.0   | 13.8           |        | 5             | 32    | -65    | 6        |          |          |
| 72315 ASHEVILLE/MUN., NC.           | 3526N    | 08233W    | 661       |           |              | 1013.4         | 16.3        | -.9    | 12.2           |        | 8             | 43    | -69    | 0        |          |          |
| 72317 GREENSBORO/G.-HIGH PT., NC.   | 3605N    | 07957W    | 277       |           |              | 1012.9         | 18.3        | -.5    | 13.6           |        | 6             | 62    | -40    | 2        |          |          |
| 72324 CHATTANOOGA/LOVELL FIELD, TN  | 3502N    | 08512W    | 210       |           |              | 1013.7         | 19.7        | .3     | 16.0           |        | 14            | 88    | -23    | 3        |          |          |
| 72326 KNOXVILLE/MUN., TN.           | 3549N    | 08359W    | 299       |           |              | 1013.0         | 18.6        | .0     | 14.8           |        | 9             | 54    | -50    | 2        |          |          |
| 72327 NASHVILLE/METROPOLITAN, TN.   | 3637N    | 08641W    | 180       |           |              | 1013.3         | 19.2        | -.6    | 15.4           |        | 16            | 126   | 2      | 4        |          |          |
| 72340 LITTLE ROCK/ADAMS FLD,        | 3450N    | 09216W    | 173       |           |              |                | 21.1        |        |                |        | 3             | 111   |        | 2        |          |          |
| 72344 FORT SMITH/MUN., AR.          | 3520N    | 09422W    | 143       |           |              | 1012.9         | 22.1        | 1.5    | 18.1           |        | 7             | 162   | 29     | 4        |          |          |
| 72351 WICHITA FALLS/SHEPS AFB/WICH  | 3358N    | 09829W    | 314       |           |              | 1011.1         | 24.1        | 2.3    | 16.7           |        | 6             | 52    | -51    | 3        |          |          |
| 72360 CLAYTON/MUN., NM.             | 3627N    | 10300W    | 1515      |           |              | 1011.2         | 18.5        | 2.8    | 6.9            |        | 4             | 17    | -33    | 1        |          |          |
| 72365 ALBUQUERQUE/INT., NM.         | 3502N    | 10630W    | 1619      |           |              | 1009.1         | 21.2        | 3.3    | 4.0            |        | 0             | 0     | -12    | 0        |          |          |
| 72386 LAS VEGAS/MCCARRAN,           | 3605N    | 11510W    | 664       |           |              | 1008.1         | 27.3        | 4.0    | 6.3            |        |               |       |        |          |          |          |
| 72389 FRESNO/AIR TERM.,             | 3646N    | 11940W    | 101       |           |              | 1012.8         | 22.2        | 1.6    | 11.9           |        | 2             | 9     | 2      | 4        |          |          |
| 72401 RICHMOND/BYRD, VA.            | 3730N    | 07720W    | 54        |           |              | 1012.6         | 18.5        | -.4    | 12.3           |        | 6             | 82    | -15    | 3        |          |          |
| 72405 WASHINGTON/NAT., VA.          | 3851N    | 07702W    | 20        |           |              | 1012.2         | 18.3        | -.8    | 12.6           |        | 9             | 56    | -37    | 2        |          |          |
| 72406 BALTIMORE/BALTIMORE-WASHINGT  | 3911N    | 07640W    | 48        |           |              | 1011.6         | 17.4        | .0     | 12.0           |        | 6             | 41    | -53    | 1        |          |          |
| 72407 ATLANTIC CITY, NJ.            | 3927N    | 07434W    | 21        |           |              | 1012.1         | 16.4        | .6     | 12.3           |        | 6             | 91    | 7      | 4        |          |          |
| 72408 PHILADELPHIA/INT.,            | 3953N    | 07515W    | 9         |           |              | 1011.6         | 18.1        | .9     | 11.1           |        | 5             | 55    | -40    | 2        |          |          |
| 72411 ROANOKE/MUN., VA.             | 3719N    | 07958W    | 358       |           |              | 1013.3         | 17.4        | -.4    | 11.1           |        | 5             | 37    | -64    | 1        |          |          |
| 72412 BECKLEY (RALEIGH CTY. MEMORI  | 3747N    | 08107W    | 766       |           |              | 1013.2         | 13.6        | -1.7   | 10.7           |        | 8             | 62    | -39    | 2        |          |          |
| 72414 CHARLESTON/KANAWHA.,          | 3822N    | 08136W    | 299       |           |              | 1012.8         | 16.4        | -1.1   | 11.6           |        | 7             | 43    | -57    | 6        |          |          |
| 72421 CINCINNATI/GREATER CINCINNAT  | 3903N    | 08440W    | 271       |           |              | 1012.3         | 16.5        | -.7    | 13.9           |        | 12            | 80    | -28    | 2        |          |          |
| 72422 LEXINGTON/BLUE GRASS, KY.     | 3802N    | 08436W    | 301       |           |              | 1012.9         | 16.9        |        | 13.4           |        | 10            | 95    |        | 2        |          |          |
| 72423 LOUISVILLE/STANDIFORD, KY.    | 3811N    | 08544W    | 151       |           |              | 1012.6         | 18.2        | -.3    | 14.2           |        | 11            | 87    | -30    | 2        |          |          |
| 72425 HUNTINGTON, WV.               | 3822N    | 08233W    | 255       |           |              | 1012.5         | 17.1        | -.6    | 12.4           |        | 7             | 45    | -62    | 1        |          |          |
| 72428 COLUMBUS/PORT COLUMBUS, OH.   | 4000N    | 08253W    | 254       |           |              | 1012.0         | 16.2        | .0     | 12.0           |        | 14            | 83    | -16    | 6        |          |          |
| 72429 DAYTON/ COX, OH.              | 3952N    | 08407W    | 307       |           |              | 1012.6         | 15.3        | -1.2   | 12.6           |        | 13            | 93    | -5     | 3        |          |          |
| 72432 EVANSVILLE/REG., IN.          | 3803N    | 08732W    | 127       |           |              | 1012.4         | 18.1        | -.5    | 15.0           |        | 10            | 147   | 27     | 4        |          |          |
| 72434 ST.LOUIS/LAMBERT,             | 3845N    | 09022W    | 174       |           |              | 1012.1         | 19.0        | .1     | 14.6           |        | 10            | 73    | -27    | 3        |          |          |
| 72438 INDIANAPOLIS/I.-MUN/WEIR COO  | 3944N    | 08616W    | 246       |           |              | 1012.0         | 16.2        | -.9    | 13.0           |        | 12            | 110   | 9      | 4        |          |          |
| 72439 SPRINGFIELD/CAPITAL,          | 3951N    | 08940W    | 187       |           |              | 1012.1         | 17.8        | .3     | 12.8           |        | 10            | 42    | -49    | 1        |          |          |
| 72445 COLUMBIA/REGIONAL,            | 3849N    | 09213W    | 274       |           |              | 1012.6         | 18.3        | .7     | 14.4           |        | 8             | 49    | -78    | 1        |          |          |
| 72476 GRAND JUNCTION/WALKER FIELD,  | 3907N    | 10830W    | 1474      |           |              | 1010.2         | 18.4        | 1.7    | 5.1            |        | 2             | 3     | -19    | 1        |          |          |
| 72483 SACRAMENTO/EXECUTIVE CA.      | 3831N    | 12130W    | 8         |           |              | 1013.3         | 19.5        | 1.0    | 11.8           |        | 3             | 8     | 2      | 4        |          |          |

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| STATION                            | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                    |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 72486 ELY/YELLAND, NV.             | 3917N    | 11450W    | 1909      |           |              | 1012.4         | 12.0        | 1.7    | 6.3            |        | 2             | 10    | -19    | 2        |          |          |
| 72488 RENO/INT., NV.               | 3930N    | 11940W    | 1344      |           |              | 1013.2         | 17.0        | 3.4    | 6.7            |        | 3             | 8     | -9     | 3        |          |          |
| 72494 SAN FRANCISCO/INT.,          | 3737N    | 12220W    | 6         |           |              | 1015.4         | 15.5        | 1.0    | 11.5           |        | 2             | 9     | 5      | 4        |          |          |
| 72503 NEW YORK/LA GUARDIA,         | 4046N    | 07354W    | 9         |           |              | 1011.4         | 17.7        | 1.1    | 11.9           |        | 8             | 119   | 22     | 4        |          |          |
| 72507 PROVIDENCE/GREEN STATE, RI.  | 4144N    | 07126W    | 19        |           |              | 1011.5         | 14.7        | .6     | 12.0           |        | 10            | 184   | 89     | 5        |          |          |
| 72508 HARTFORD/BRADLEY INTNL., CT. | 4156N    | 07241W    | 55        |           |              | 1011.5         | 14.8        | -.5    | 11.7           |        | 11            | 184   | 80     | 5        |          |          |
| 72509 BOSTON/LOGAN INT.,           | 4222N    | 07102W    | 9         |           |              | 1011.5         | 13.9        | -.7    | 11.7           |        | 13            | 317   | 235    | 5        |          |          |
| 72513 WILKES-BARRE-SCRANTON, PA.   | 4120N    | 07544W    | 292       |           |              | 1011.0         | 14.9        | .0     | 10.4           |        | 7             | 55    | -37    | 2        |          |          |
| 72515 BINGHAMTON/BROOME CO., NY.   | 4213N    | 07559W    | 497       |           |              | 1012.3         | 13.4        | .2     | 10.5           |        | 9             | 60    | -25    | 2        |          |          |
| 72517 ALLENTOWN/A.-BETHLEHEM-EASTO | 4039N    | 07526W    | 118       |           |              | 1011.6         | 16.0        | .3     | 11.3           |        | 5             | 46    | -60    | 6        |          |          |
| 72519 SYRACUSE/HANCOCK,            | 4307N    | 07607W    | 128       |           |              | 1011.5         | 14.5        | .6     | 12.0           |        | 12            | 57    | -26    | 2        |          |          |
| 72520 PITTSBURGH/GREATER PITTSBURG | 4030N    | 08013W    | 373       |           |              | 1012.8         | 14.8        | -.5    | 11.2           |        | 10            | 75    | -16    | 3        |          |          |
| 72520 PITTSBURGH/GREATER PITTSBURG | 4030N    | 08013W    | 373       |           |              | 1012.8         | 14.8        | -.5    | 11.2           |        | 10            | 75    | -16    | 3        |          |          |
| 72521 AKRON/AKRON-CANTON REG. OH.  | 4055N    | 08126W    | 377       |           |              | 1012.1         | 14.5        | -.5    | 11.9           |        | 14            | 141   | 47     | 6        |          |          |
| 72525 YOUNGSTOWN, OH.              | 4116N    | 08040W    | 365       |           |              | 1012.0         | 14.0        | -.2    | 11.4           |        | 15            | 145   | 56     | 5        |          |          |
| 72528 BUFFALO/GREATER BUFFALO INT. | 4256N    | 07843W    | 219       |           |              | 1011.3         | 15.5        | 1.8    | 11.4           |        | 8             | 48    | -31    | 2        |          |          |
| 72529 ROCHESTER/ROCHESTER-MONROE C | 4307N    | 07740W    | 171       |           |              | 1011.6         | 14.9        | 1.0    | 11.5           |        | 7             | 45    | -24    | 2        |          |          |
| 72530 CHICAGO/O'HARE, IL.          | 4159N    | 08754W    | 205       |           |              | 1011.1         | 15.3        | .4     | 12.3           |        | 12            | 93    | 9      | 4        |          |          |
| 72532 PEORIA/GREATER PEORIA MUN.,  | 4040N    | 08941W    | 202       |           |              | 1011.8         | 17.0        | .4     | 12.7           |        | 8             | 33    | -61    | 1        |          |          |
| 72533 FORT WAYNE/MUN.,             | 4100N    | 08512W    | 252       |           |              | 1012.2         | 14.9        | -.8    | 12.5           |        | 15            | 128   | 41     | 5        |          |          |
| 72535 SOUTH BEND/ST.JOSEPH CO., IN | 4142N    | 08619W    | 241       |           |              | 1011.8         | 14.2        | -1.0   | 11.9           |        | 13            | 138   | 57     | 5        |          |          |
| 72536 TOLEDO/EXPRESS, OH.          | 4136N    | 08348W    | 211       |           |              | 1011.2         | 15.4        | .6     | 12.3           |        | 14            | 168   | 95     | 6        |          |          |
| 72537 DETROIT/METROPOLITAN, MI.    | 4214N    | 08320W    | 202       |           |              | 1011.1         | 15.9        | 1.2    | 12.6           |        | 14            | 117   | 43     | 6        |          |          |
| 72544 MOLINE/QUAD CITY,            | 4127N    | 09031W    | 181       |           |              | 1011.5         | 16.8        | .5     | 12.9           |        | 7             | 43    | -66    | 1        |          |          |
| 72546 DES MOINES/MUN., IA.         | 4132N    | 09339W    | 294       |           |              | 1012.1         | 17.5        | .7     | 12.9           |        | 11            | 36    | -57    | 2        |          |          |
| 72556 NORFOLK/KARL STEFAN,         | 4159N    | 09726W    | 479       |           |              | 1012.5         | 17.7        | 1.6    | 11.1           |        | 2             | 18    | -75    | 0        |          |          |
| 72557 SIOUX CITY/MUN., IA.         | 4224N    | 09623W    | 336       |           |              | 1012.9         | 17.4        | 1.0    | 11.7           |        | 7             | 22    | -71    | 1        |          |          |
| 72562 NORTH PLATTE/LEE BIRD, NE.   | 4107N    | 10040W    | 849       |           |              | 1013.3         | 16.2        | 1.6    | 8.3            |        | 3             | 21    | -66    | 1        |          |          |
| 72564 CHEYENNE, WY.                | 4109N    | 10440W    | 1876      |           |              | 1012.8         | 12.6        |        | 5.9            |        | 8             | 41    |        | 2        |          |          |
| 72569 CASPER/NATRONA COUNTY, INTNL | 4255N    | 10620W    | 1630      |           |              | 1013.1         | 12.5        | 1.2    | 6.4            |        | 7             | 24    | -30    | 6        |          |          |
| 72572 SALT LAKE CITY/INTNL UT.     | 4047N    | 11150W    | 1288      |           |              | 1011.9         | 17.3        | 2.4    | 8.0            |        | 4             | 20    | -25    | 2        |          |          |
| 72576 LANDER/HUNT, WY.             | 4249N    | 10840W    | 1703      |           |              | 1012.1         | 13.7        | 2.0    | 5.4            |        | 2             | 2     | -56    | 0        |          |          |
| 72578 POCATELLO/MUN., ID.          | 4255N    | 11230W    | 1365      |           |              | 1014.6         | 12.7        | .7     | 6.7            |        | 3             | 23    | -11    | 4        |          |          |
| 72583 WINNEMUCCA/MUN., NV.         | 4054N    | 11740W    | 1322      |           |              | 1014.1         | 13.5        | .5     | 7.2            |        | 6             | 18    | -3     | 4        |          |          |
| 72594 EUREKA, CA.                  | 4048N    | 12410W    | 18        |           |              | 1010.7         | 10.7        | -.9    |                |        | 8             | 26    | -10    | 4        |          |          |
| 72597 MEDFORD/MEDFORD-JACKSON COUN | 4223N    | 12250W    | 398       |           |              | 1015.5         | 16.9        |        | 9.4            |        | 8             | 38    |        | 4        |          |          |
| 72605 CONCORD/MUN., NH.            | 4312N    | 07130W    | 105       |           |              | 1012.2         | 13.3        |        | 10.7           |        | 10            | 282   |        | 6        |          |          |
| 72606 PORTLAND/INTNL. JET PORT, ME | 4339N    | 07019W    | 23        |           |              | 1012.7         | 12.5        | .7     | 11.3           |        | 14            | 313   | 222    | 6        |          |          |
| 72617 BURLINGTON/INT., VT.         | 4428N    | 07309W    | 104       |           |              | 1011.5         | 14.5        | 1.0    | 11.8           |        | 17            | 180   | 101    | 6        |          |          |
| 72635 GRAND RAPIDS/KENT CO., MI.   | 4253N    | 08531W    | 245       |           |              | 1010.9         | 14.5        | .3     | 11.5           |        | 11            | 125   | 46     | 5        |          |          |
| 72636 MUSKOGON/COUNTY, MI.         | 4310N    | 08615W    | 193       |           |              | 1011.3         | 13.5        | .2     | 11.7           |        | 11            | 109   | 43     | 6        |          |          |
| 72637 FLINT/BISHOP, MI.            | 4258N    | 08345W    | 238       |           |              | 1011.2         | 14.3        | .5     | 12.5           |        | 12            | 134   | 67     | 5        |          |          |
| 72640 MILWAUKEE/GEN. MITCHELL, WI. | 4257N    | 08754W    | 220       |           |              | 1011.2         | 14.1        | 1.5    | 12.8           |        | 12            | 95    | 23     | 5        |          |          |
| 72641 MADISON/DANE COUNTY REGIONAL | 4308N    | 08920W    | 264       |           |              | 1010.8         | 14.8        | 1.2    | 12.5           |        | 13            | 117   | 38     | 5        |          |          |
| 72644 ROCHESTER/MUN., MN.          | 4355N    | 09230W    | 402       |           |              | 1011.7         | 15.2        | 1.4    | 11.6           |        | 10            | 47    | -39    | 1        |          |          |
| 72645 GREEN BAY/A.-STRAUBEL, WI.   | 4429N    | 08806W    | 209       |           |              | 1010.8         | 14.3        | 1.2    | 12.8           |        | 15            | 150   | 79     | 6        |          |          |

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| STATION                                   | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 72651 SIOUX FALLS/FOSS FIELD, SD.         | 4335N    | 09644W    | 435       |           |              | 1012.0         | 15.3        | .6     | 11.3           |        | 4             | 26    | -51    | 1        |          |          |
| <b>72654 HURON/HURON REGIONAL SD.</b>     | 4423N    | 09813W    | 393       |           |              | 1012.3         | 14.7        | .5     | 11.6           |        | 5             | 43    | -29    | 2        |          |          |
| <b>72658 MINNEAPOLIS/ST.PAUL INT., MN</b> | 4453N    | 09313W    | 256       |           |              | 1011.2         | 16.6        | 1.9    | 11.2           |        | 8             | 42    | -44    | 2        |          |          |
| 72662 RAPID CITY/REGIONAL AIRPORT,        | 4440N    | 10310W    | 1030      |           |              | 1013.6         | 14.3        | 1.4    | 9.1            |        | 8             | 46    | -22    | 3        |          |          |
| <b>72666 SHERIDAN/COUNTY, WY.</b>         | 4446N    | 10650W    | 1226      |           |              | 1014.1         | 12.7        | 1.2    | 8.4            |        | 5             | 25    | -35    | 1        |          |          |
| 72677 BILLINGS/LOGAN INT.,                | 4548N    | 10830W    | 1099      |           |              | 1013.6         | 14.5        | 1.7    | 7.0            |        | 5             | 29    | -36    | 1        |          |          |
| <b>72681 BOISE/MUN., ID.</b>              | 4334N    | 11610W    | 872       |           |              | 1014.2         | 16.1        | 1.9    | 7.8            |        | 8             | 30    | 3      | 4        |          |          |
| <b>72688 PENDLETON, OR.</b>               | 4541N    | 11850W    | 456       |           |              | 1015.1         | 15.0        | .6     | 8.5            |        | 8             | 30    | 5      | 4        |          |          |
| 72698 PORTLAND/INT., OR.                  | 4536N    | 12230W    | 12        |           |              | 1017.6         | 15.5        | 1.6    | 9.9            |        | 9             | 76    | 24     | 5        |          |          |
| <b>72712 CARIBOU/MUN., ME.</b>            | 4652N    | 06800W    | 191       |           |              | 1013.1         | 12.4        | 1.9    | 10.1           |        | 12            | 127   | 49     | 5        |          |          |
| 72745 DULUTH/INT., MN.                    | 4650N    | 09211W    | 436       |           |              | 1011.8         | 11.7        | 1.3    | 9.8            |        | 11            | 120   | 43     | 5        |          |          |
| 72747 INT.FALLS/FALLS INT. MN.            | 4833N    | 09323W    | 362       |           |              | 1011.8         | 12.6        | 1.4    | 10.7           |        | 12            | 54    | -8     | 3        |          |          |
| 72753 FARGO/HECTOR FIELD,                 | 4654N    | 09648W    | 274       |           |              | 1011.6         | 14.9        | 1.5    | 11.0           |        | 10            | 51    | -11    | 3        |          |          |
| <b>72764 BISMARCK/MUN., ND.</b>           | 4646N    | 10040W    | 505       |           |              | 1012.2         | 14.1        | 1.3    | 9.9            |        | 9             | 45    | -10    | 3        |          |          |
| 72767 WILLISTON/SLOULIN FIELD INT.        | 4811N    | 10330W    | 592       |           |              | 1013.0         | 12.9        | .0     | 9.3            |        | 10            | 39    | -11    | 4        |          |          |
| <b>72768 GLASGOW/INT., MT.</b>            | 4812N    | 10630W    | 693       |           |              | 1013.1         | 14.5        | 1.7    | 8.9            |        | 8             | 48    | 3      | 4        |          |          |
| <b>72772 HELENA/COUNTY-CITY,</b>          | 4636N    | 11200W    | 1188      |           |              | 1016.0         | 13.8        | 2.4    | 6.8            |        | 2             | 45    | 0      | 3        |          |          |
| 72773 MISSOULA / JOHNSON-BELL FIEL        | 4655N    | 11400W    | 976       |           |              | 1016.5         | 12.8        | 1.8    | 6.5            |        | 7             | 42    | -3     | 3        |          |          |
| 72781 YAKIMA/YAKIMA AIR TERMINAL,         | 4634N    | 12030W    | 332       |           |              | 1016.0         | 14.4        | .5     | 8.1            |        | 6             | 21    | 10     | 5        |          |          |
| 72785 SPOKANE/INT., WA.                   | 4738N    | 11730W    | 721       |           |              | 1015.5         | 13.7        | 1.5    | 7.7            |        | 8             | 28    | -7     | 3        |          |          |
| <b>72792 OLYMPIA, WA.</b>                 | 4658N    | 12250W    | 62        |           |              | 1018.0         | 12.8        | 1.0    | 9.3            |        | 9             | 60    | 7      | 6        |          |          |
| 72793 SEATTLE/S.-TACOMA,                  | 4727N    | 12210W    | 137       |           |              | 1018.4         | 13.8        | 1.0    | 9.6            |        | 9             | 42    | -1     | 4        |          |          |
| 72797 QUILLAYUTE, WA.                     | 4757N    | 12430W    | 56        |           |              | 1018.4         | 11.1        |        | 9.5            |        | 14            | 80    |        | 2        |          |          |
| <b>CANADA</b>                             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 71017 STEFANSSON ISLAND, NU               | 7345N    | 10510W    | 11        |           |              | 1018.3         | 1019.8      | -7.1   | 3.5            |        | 0             | 0     |        |          |          |          |
| 71018 RESOLUTE CS, NU                     | 7442N    | 09459W    | 68        |           |              |                |             | -5.9   | 3.5            |        |               | 4     |        |          |          |          |
| 71026 MEDICINE HAT RCS, ALTA              | 5001N    | 11040W    | 717       |           |              | 928.9          | 1012.5      | 13.9   | 8.4            |        | 8             | 52    |        | 4        |          |          |
| 71029 HOLMAN CS, NWT                      | 7045N    | 11740W    | 30        |           |              | 1015.4         | 1019.3      | -2.0   | 4.6            |        | 2             | 5     |        |          |          |          |
| 71049 WAGER BAY (AUT), MAN                | 6552N    | 08926W    | 18        |           |              | 1018.3         | 1020.7      | -3.2   | 4.1            |        | 2             | 4     |        |          |          |          |
| <b>71066 HIGH LEVEL A, ALTA</b>           | 5837N    | 11700W    | 338       |           |              | 972.6          | 1013.7      | 10.9   | 1.2            | 7.8    | 6             | 32    | -9     | 3        |          |          |
| <b>71069 SLAVE LAKE A, ALTA</b>           | 5517N    | 11440W    | 583       |           |              | 945.0          | 1014.4      | 10.6   | 1.1            | 8.6    | 12            | 127   | 87     | 6        |          |          |
| <b>71074 ISACHSEN (AUT), NU</b>           | 7847N    | 10330W    | 58        |           |              | 1013.5         | 1021.2      | -7.8   | 3.2            |        | 5             | 67    |        | 6        |          |          |
| <b>71079 THOMPSON</b>                     | 5548N    | 09752W    | 222       |           |              | 988.5          | 1016.0      | 6.5    | .2             | 6.3    | 12            | 92    | 47     | 5        |          |          |
| 71101 SANDSPIT AWOS, BC                   | 5315N    | 13140W    | 6         |           |              | 1015.7         | 1016.5      | 9.4    | .6             | 8.6    | 5             | 22    | -40    | 1        |          |          |
| 71109 PORT HARDY A, BC                    | 5040N    | 12720W    | 22        |           |              | 1015.5         | 1018.1      | 10.3   | .9             | 9.7    | 14            | 60    | -15    | 3        |          |          |
| <b>71120 COLD LAKE A, ALTA</b>            | 5425N    | 11010W    | 541       |           |              | 949.5          | 1014.2      | 11.3   | .7             | 8.4    | 12            | 92    | 52     | 5        | 212      | 80       |
| <b>71122 BANFF CS, ALTA</b>               | 5112N    | 11530W    | 1397      |           |              | 857.8          | 1015.6      | 8.5    | .6             | 6.2    | 10            | 43    | -14    | 2        |          |          |
| 71158 BERENS RIVER CS, MAN                | 5221N    | 09702W    | 222       |           |              | 986.2          | 1013.3      | 8.8    |                | 9.2    | 7             | 60    |        | 5        |          |          |
| <b>71160 FORT RELIANCE (AUT), NWT</b>     | 6242N    | 10900W    | 168       |           |              | 995.9          | 1017.0      | 5.9    |                | 5.9    | 7             | 22    |        | 4        |          |          |
| <b>71185 DANIELS HARBOUR,</b>             | 5014N    | 05734W    | 18        |           |              | 1012.9         | 1015.2      | 7.7    | 2.6            | 8.0    | 10            | 81    | 8      | 4        |          |          |
| <b>71197 PORT AUX BASQUES,</b>            | 4734N    | 05909W    | 40        |           |              | 1011.6         | 1016.6      | 8.0    | 3.0            | 8.4    | 7             | 96    | -23    | 2        |          |          |
| 71199 WATSON LAKE (AUT), YT               | 6007N    | 12840W    | 690       |           |              | 933.2          | 1015.9      | 5.7    |                | 6.3    |               |       |        |          |          |          |
| 71279 SEPT-ILES, QUE                      | 5013N    | 06615W    | 53        |           |              | 1007.9         | 1014.3      | 7.9    |                | 7.6    | 8             | 62    |        |          |          |          |
| 71288 CAMBRIDGE BAY GSN, NU               | 6906N    | 10500W    | 19        |           |              |                |             | -4.0   |                | 4.4    | 1             | 6     |        |          |          |          |
| 71299 KAPUSKASING CDA ON, ONT             | 4924N    | 08226W    | 218       |           |              | 984.5          | 1010.5      | 11.0   |                | 8.5    | 11            | 53    |        | 2        |          |          |



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| STATION                                 | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 71320 HALL BEACH CLIMATE, NU            | 6846N    | 08114W    | 8         |           |              |                | -5.9        |        | 4.2            |        | 4             | 12    |        |          |          |          |
| 71321 IQALUIT CLIMATE, NU               | 6345N    | 06833W    | 34        |           |              |                | -8          |        |                |        | 8             | 40    |        |          |          |          |
| 71322 ARVIAT CLIMATE, NU                | 6106N    | 09404W    | 10        |           |              |                | -3.1        |        |                |        | 6             | 26    |        |          |          |          |
| 71350 HARRINGTON CDA CS, PEI            | 4621N    | 06310W    | 53        |           |              |                |             |        | 4.8            |        | 5             | 28    |        |          |          |          |
| 71355 ALERT CLIMATE, NU                 | 8230N    | 06220W    | 65        |           | 1008.1       | 1014.5         | 11.3        |        | 9.7            |        |               |       |        |          |          |          |
| 71356 BAKER LAKE CLIMATE, NU            | 6419N    | 09600W    | 51        |           | 1014.8       | 1023.5         | -8.0        |        | 2.9            |        | 11            | 27    |        |          |          |          |
| 71361 HAY RIVER CLIMATE, NWT            | 6050N    | 11540W    | 164       |           | 1015.3       | 1020.7         | -4.5        |        | 4.3            |        |               |       |        |          |          |          |
| 71362 FORT SMITH CLIMATE, NWT           | 6050N    | 11540W    | 164       |           | 994.4        | 1014.7         | 7.8         |        | 7.2            |        | 3             | 17    |        |          |          |          |
| 71362 FORT SMITH CLIMATE, NWT           | 6001N    | 11150W    | 203       |           | 989.4        | 1014.4         | 10.3        |        | 7.3            |        | 4             | 18    |        |          |          |          |
| 71363 GJOA HAVEN CLIMATE, NU            | 6838N    | 09551W    | 42        |           | 1015.7       | 1021.1         | -6.1        |        | 3.8            |        | 1             | 2     |        |          |          |          |
| 71364 INUVIK CLIMATE, NWT               | 6819N    | 13330W    | 103       |           | 1004.1       | 1017.2         | 1.4         |        | 5.1            |        | 3             | 14    |        |          |          |          |
| 71365 FORT SIMPSON CLIMATE, NWT         | 6145N    | 12110W    | 168       |           | 993.3        | 1014.0         | 9.6         |        | 6.7            |        | 7             | 35    |        |          |          |          |
| 71434 PEAWANUCK (AUT), ONT              | 5459N    | 08526W    | 52        |           | 1008.7       | 1015.3         | 4.0         |        | 6.1            |        | 3             | 15    |        |          |          |          |
| 71446 SWIFT CURRENT CDA, SASK           | 5016N    | 10740W    | 825       |           | 917.1        | 1013.4         | 12.3        |        | 9.6            |        | 13            | 35    |        |          |          |          |
| 71467 SACHS HARBOUR CLIMATE, NWT        | 7200N    | 12510W    | 88        |           | 1007.6       | 1019.0         | -3.0        |        | 4.7            |        | 2             | 3     |        | 2        |          |          |
| 71550 DAUPHIN CS, MAN                   | 5106N    | 10000W    | 305       |           |              |                | 10.7        |        |                |        | 6             | 53    |        |          |          |          |
| 71585 FORT MCMURRAY CS, ALTA            | 5639N    | 11110W    | 369       |           |              |                | 10.9        |        | 7.8            |        | 9             | 46    |        |          |          |          |
| 71586 LA RONGE RCS, SASK                | 5509N    | 10510W    | 379       |           |              |                | 8.4         |        | 7.5            |        | 9             | 143   |        | 6        |          |          |
| <b>71600 SABLE ISLAND, NS</b>           | 4355N    | 06000W    | 5         |           | 1015.1       | 1015.7         | 8.6         | 1.6    | 9.8            |        | 7             | 70    | -29    | 2        |          |          |
| 71713 LA POCATIERE, QUE                 | 4721N    | 07001W    | 31        |           |              |                | 10.8        |        | 10.2           |        | 16            | 99    |        | 4        |          |          |
| <b>71721 MANIWAKI AIRPORT, QUE</b>      | 4616N    | 07559W    | 201       |           | 987.0        | 1011.1         | 13.2        |        | 11.3           |        | 15            | 74    |        | 3        |          |          |
| <b>71727 BAGOTVILLE A, QUE</b>          | 4820N    | 07100W    | 159       |           | 993.6        | 1012.9         | 11.6        | 2.3    | 9.0            |        | 14            | 66    | -15    | 3        |          |          |
| <b>71733 GORE BAY A, ONT</b>            | 4553N    | 08234W    | 194       |           | 987.5        | 1010.8         | 12.6        | 2.2    | 10.9           |        | 9             | 50    | -11    | 3        |          |          |
| <b>71813 NATASHQUAN A, QUE</b>          | 5011N    | 06149W    | 11        |           | 1013.9       | 1015.2         | 8.5         | 3.5    | 7.6            |        | 8             | 74    | -15    | 3        |          |          |
| <b>71816 GOOSE A, NFLD</b>              | 5319N    | 06025W    | 49        |           | 1009.3       | 1015.3         | 9.4         | 4.3    | 7.1            |        | 9             | 74    | 8      | 4        | 268      | 145      |
| <b>71818 CARTWRIGHT, NFLD</b>           | 5342N    | 05702W    | 15        |           | 1014.4       | 1016.2         | 7.0         | 4.1    | 7.3            |        | 11            | 78    | 14     | 4        |          |          |
| 71823 LA GRANDE IV A, QUE               | 5345N    | 07340W    | 306       |           | 975.8        | 1013.2         | 9.3         |        | 7.1            |        | 8             | 28    |        | 1        |          |          |
| 71827 LA GRANDE RIVIERE A,              | 5338N    | 07742W    | 195       |           | 988.7        | 1012.7         | 8.7         |        | 6.9            |        | 9             | 50    |        | 5        |          |          |
| <b>71828 SCHEFFERVILLE A, QUE</b>       | 5448N    | 06648W    | 518       |           | 952.1        | 1015.1         | 6.0         | 4.9    | 6.0            |        | 11            | 50    | -1     | 4        |          |          |
| <b>71842 SIOUX LOOKOUT A, ONT</b>       | 5007N    | 09154W    | 390       |           | 966.7        | 1012.9         | 11.6        | 1.8    | 9.9            |        | 10            | 123   | 60     | 5        |          |          |
| <b>71844 BIG TROUT LAKE READAC, ONT</b> | 5348N    | 08953W    | 222       |           | 987.3        | 1014.8         | 5.9         |        | 7.2            |        | 12            | 98    |        | 6        |          |          |
| <b>71862 ESTEVAN A, SASK</b>            | 4913N    | 10250W    | 584       |           | 944.8        | 1013.6         | 12.2        | .5     | 8.8            |        | 6             | 36    | -18    | 2        | 272      | 100      |
| <b>71869 PRINCE ALBERT A, SK</b>        | 5313N    | 10540W    | 428       |           | 962.0        | 1013.6         | 11.0        | .6     | 8.9            |        | 12            | 62    | 21     | 4        |          |          |
| <b>71894 ESTEVAN POINT CS, BC</b>       | 4923N    | 12630W    | 7         |           | 1017.5       | 1018.4         |             |        |                |        | 7             | 97    |        | 2        |          |          |
| <b>71905 KUUJJIARAPIK A, QC</b>         | 5517N    | 07745W    | 24        |           | 1012.1       | 1013.4         | 4.9         | 3.7    | 6.1            |        | 6             | 60    | 24     | 5        |          |          |
| <b>71906 KUUJJIUAQ A, QUE</b>           | 5806N    | 06825W    | 44        |           | 1009.0       | 1013.9         | 5.3         | 5.4    | 6.2            |        | 10            | 49    | 19     | 5        |          |          |
| <b>71907 INUKJUAQ A, QUE</b>            | 5828N    | 07805W    | 28        |           | 1011.0       | 1014.3         | 1.0         | 2.9    | 5.0            |        | 6             | 24    | 1      | 3        |          |          |
| <b>71915 CORAL HARBOUR A,</b>           | 6411N    | 08321W    | 64        |           | 1009.5       | 1017.9         | -3.6        | 3.5    | 4.5            |        | 5             | 14    | -1     | 3        |          |          |
| <b>71917 EUREKA, NU</b>                 | 7959N    | 08556W    | 11        |           | 1020.6       | 1022.0         | -6.8        | 4.1    | 3.3            |        | 1             | 2     | 0      | 3        |          |          |
| 71923 ENNADAI LAKE (AUT), NU            | 6107N    | 10050W    | 353       |           | 975.1        | 1019.3         | 1.6         |        | 5.2            |        | 10            | 23    |        |          |          |          |
| <b>71945 FORT NELSON A, BC</b>          | 5850N    | 12230W    | 389       |           | 968.0        | 1014.3         | 9.7         | .1     | 7.3            |        | 8             | 47    | 0      | 4        |          |          |
| <b>71950 SMITHERS A, BC</b>             | 5449N    | 12710W    | 522       |           | 953.9        | 1016.0         | 9.6         | .6     | 7.1            |        | 7             | 42    | 9      | 5        |          |          |
| <b>71964 WHITEHORSE A, YT</b>           | 6042N    | 13500W    | 706       |           | 930.1        | 1014.6         | 6.8         | .2     | 5.4            |        | 4             | 16    | 2      | 4        |          |          |
| <b>71966 DAWSON, YT</b>                 | 6403N    | 13900W    | 370       |           | 967.6        | 1012.7         | 8.1         |        | 5.7            |        | 12            | 37    |        | 4        |          |          |
| 71984 PAULATUK, NWT                     | 6921N    | 12400W    | 6         |           | 1017.1       | 1017.9         | -1          |        | 5.2            |        | 3             | 9     |        |          |          |          |
| 71989 MOULD BAY CS, NWT                 | 7614N    | 11920W    | 2         |           | 1021.2       | 1022.8         | -5.7        |        | 3.7            |        | 4             | 21    |        | 5        |          |          |
| 71990 MACMILLAN PASS, NWT               | 6314N    | 13000W    | 1379      |           | 856.7        | 1015.6         | 1.7         |        | 4.7            |        |               |       |        |          |          |          |

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| STATION                            | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                    |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>MEXICO</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 76225 CHIHUAHUA, CHIH.             | 2838N    | 10600W    | 1433      |           | 851.6        | 1005.6         | 26.5        |        | 7.5            |        | 2             | 10    |        | 0        |          |          |
| 76243 PIEDRAS NEGRAS, COAH.        | 2842N    | 10030W    | 250       |           | 983.2        | 1011.3         | 29.5        |        | 23.2           |        | 2             | 89    |        | 3        | 282      | 150      |
| 76256 EMPALME, SON.                | 2757N    | 11040W    | 12        |           | 1008.7       | 1010.1         | 28.0        |        | 15.1           |        | 0             | 0     |        | 0        | 373      |          |
| 76311 CHOIX, SIN.                  | 2644N    | 10810W    | 238       |           | 982.7        | 1009.2         | 29.3        |        | 13.7           |        | 2             | 11    |        | 2        | 318      |          |
| 76342 MONCLOVA, COAH.              | 2653N    | 10120W    | 615       |           | 943.4        | 1011.0         | 29.3        |        | 16.1           |        | 3             | 6     |        | 1        | 306      |          |
| 76373 TEPEHUANES, DGO.             | 2521N    | 10540W    | 1967      |           | 819.7        | 1009.5         | 22.4        |        | 8.2            |        | 3             | 16    |        |          | 308      |          |
| 76382 TORREON, COAH.               | 2532N    | 10320W    | 1124      |           | 887.5        | 1006.0         | 28.6        |        | 21.9           |        | 3             | 7     |        | 1        | 311      |          |
| 76390 SALTILLO, COAH.              | 2522N    | 10100W    | 1790      |           | 823.2        | 1008.9         | 21.0        |        | 10.9           |        | 5             | 10    |        | 5        | 302      |          |
| 76393 MONTERREY, N.L.              | 2544N    | 10010W    | 515       |           | 952.8        | 1009.6         | 27.4        |        | 22.9           |        | 5             | 37    |        | 2        | 249      |          |
| 76402 CIUDAD CONSTITUCION, BCS     | 2457N    | 11140W    | 48        |           | 1008.7       | 1015.1         | 20.8        |        | 14.7           |        | 0             | 0     |        | 0        | 322      |          |
| 76405 LA PAZ, BCS                  | 2410N    | 11010W    | 18        |           | 1009.1       | 1011.2         | 25.8        |        | 14.3           |        | 0             | 0     |        | 0        | 346      |          |
| 76423 DURANGO, DGO.                | 2403N    | 10430W    | 1872      |           | 814.5        | 1005.8         | 23.0        |        | 8.6            |        | 2             | 19    |        | 2        | 304      | 105      |
| 76458 COLONIA JUAN CARRASCO MAZATL | 2312N    | 10620W    | 4         |           | 1010.8       | 1011.3         | 25.8        | .8     | 25.4           | 1.5    | 0             | 0     | -2     | 0        | 340      | 114      |
| 76548 TAMPICO, TAMPS               | 2212N    | 09751W    | 25        |           | 1009.0       | 1012.0         | 28.3        | 1.4    | 28.8           | .7     | 4             | 49    | 12     | 4        | 243      | 120      |
| 76556 TEPIC, NAY.                  | 2131N    | 10450W    | 915       |           | 910.2        | 1010.0         | 23.8        |        | 19.5           |        | 0             | 0     |        | 0        | 347      |          |
| 76577 GUANAJUATO, GTO.             | 2100N    | 10110W    | 1999      |           | 804.4        | 1009.2         | 21.1        | -5     | 14.2           | .9     | 11            | 104   | 67     | 4        | 257      | 99       |
| 76585 MATLAPA, S.L.P.              | 2119N    | 09849W    | 132       |           | 996.0        | 1011.2         | 28.0        |        | 28.3           |        | 7             | 189   |        | 5        | 236      |          |
| 76634 TULANCINGO, HGO.             | 2005N    | 09822W    | 2181      |           | 1015.9       | 1015.9         | 18.1        |        | 13.9           |        | 11            | 73    |        | 2        | 261      | 110      |
| 76640 TUXPAN, VER.                 | 2057N    | 09724W    | 28        |           | 1011.0       | 1012.2         | 27.4        |        | 30.0           |        | 5             | 69    |        | 3        | 214      | 95       |
| 76647 VALLADOLID, YUC.             | 2041N    | 08812W    | 27        |           | 1009.6       | 1012.6         | 29.2        |        | 25.4           |        | 7             | 65    |        | 4        | 238      |          |
| 76654 MANZANILLO, COL.             | 1903N    | 10410W    | 3         |           | 1010.4       | 1010.8         | 26.8        |        | 26.6           |        | 1             | 9     |        | 5        | 310      |          |
| 76656 CIUDAD GUZMAN, JAL.          | 1943N    | 10320W    | 1515      |           | 849.4        | 1009.7         | 22.4        |        | 14.4           |        | 4             | 18    |        | 2        | 280      |          |
| 76665 MORELIA, MICH.               | 1942N    | 10110W    | 1913      |           | 811.2        | 1008.6         | 21.3        | .2     | 13.9           | 2.0    | 11            | 135   | 92     | 6        | 231      | 124      |
| 76675 TOLUCA, MEX.                 | 1917N    | 09941W    | 2720      |           | 738.6        | 1011.1         | 14.1        |        | 11.4           |        | 14            | 81    |        | 4        | 243      |          |
| 76680 MEXICO (CENTRAL),            | 1924N    | 09911W    | 2303      |           | 775.0        | 1006.3         | 18.5        | -1     | 11.7           | .8     | 10            | 85    | 27     | 5        | 235      | 120      |
| 76683 TLAXCALA, TLAX.              | 1919N    | 09815W    | 2248      |           | 782.9        | 1012.7         | 17.5        |        | 12.8           |        | 17            | 114   |        | 5        | 177      |          |
| 76685 PUEBLA, PUE.                 | 1903N    | 09810W    | 2179      |           | 786.1        | 1007.8         | 18.7        |        | 12.2           |        | 14            | 134   |        | 4        | 273      |          |
| 76687 JALAPA, VER.                 | 1933N    | 09655W    | 1389      |           | 865.8        | 1011.4         | 20.6        |        | 18.4           |        | 13            | 220   |        | 5        | 159      |          |
| 76692 HACIENDA YLANG YLANG VERACRU | 1909N    | 09607W    | 16        |           | 1010.0       | 1011.8         | 27.8        | .4     | 28.0           | -1.2   | 4             | 29    | -17    | 3        | 259      | 126      |
| 76695 CAMPECHE, CAMP.              | 1951N    | 09033W    | 5         |           | 1010.2       | 1010.8         | 28.8        |        | 26.7           |        | 9             | 78    |        | 3        | 266      | 95       |
| 76698 FELIPE CARRILLO PUERTO, Q.RO | 1942N    | 08754W    | 12        |           | 1012.8       | 1013.9         | 29.6        |        | 26.3           |        | 4             | 58    |        | 2        | 232      |          |
| 76726 CUERNAVACA, MOR.             | 1853N    | 09914W    | 1618      |           | 838.7        | 1006.9         | 23.4        |        | 11.9           |        | 17            | 126   |        |          | 263      |          |
| 76741 COATZACOALCOS, VER.          | 1808N    | 09425W    | 22        |           | 1008.0       | 1009.8         | 28.1        |        | 29.8           |        | 5             | 134   |        |          | 243      |          |
| 76750 CHETUMAL, Q.R.               | 1829N    | 08818W    | 7         |           | 1011.3       | 1012.3         | 28.4        |        | 28.4           |        | 8             | 220   |        | 5        | 188      | 135      |
| 76762 CHILPANCIINGO, RO.           | 1733N    | 09930W    | 1265      |           | 879.7        | 1015.8         | 22.1        |        | 19.1           |        | 5             | 74    |        |          | 251      |          |
| 76805 ACAPULCO, GRO.               | 1650N    | 09956W    | 3         |           | 1009.9       | 1010.4         | 28.4        | .2     | 28.4           | -1.3   | 6             | 68    | 40     | 5        | 281      | 112      |
| 76840 ARRIAGA, CHIS.               | 1614N    | 09354W    | 48        |           | 1005.3       | 1010.8         | 29.4        |        | 27.3           |        | 8             | 222   |        | 4        | 233      |          |
| 76845 SN. CRISTOBAL LAS CASAS, CHI | 1645N    | 09238W    | 2116      |           | 792.7        | 1011.0         | 16.3        |        | 15.0           |        | 17            | 210   |        | 5        | 129      |          |
| 76848 COMITAN, CHIS.               | 1615N    | 09208W    | 1646      |           | 837.7        | 1006.6         | 19.8        |        | 16.9           |        | 15            | 251   |        | 4        | 186      |          |
| 76855 PUERTO ANGEL, OAX.           | 1541N    | 09629W    | 46        |           | 1005.9       | 1010.8         | 28.8        |        | 27.0           |        | 5             | 80    |        | 3        | 232      |          |
| 76903 TAPACHULA, CHIS              | 1455N    | 09215W    | 118       |           | 998.2        | 1011.5         | 28.2        |        | 30.1           |        | 18            | 153   |        | 1        | 144      |          |

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| STATION                                   | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>78388 MONTEGO BAY/SANGSTER</b>         | 1830N    | 07755W    | 8         |           | 1013.5       | 1013.6         | 30.8        | 4.7    | 28.4           |        | 4             | 31    | -67    | 1        | 324      | 125      |
| 78397 KINGSTON/NORMAN MANLEY              | 1756N    | 07647W    | 14        |           | 1011.9       | 1013.5         | 29.7        |        | 27.8           |        | 3             | 46    |        | 3        | 291      |          |
| <b>PUERTO RICO AND US POSS</b>            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>78526 SAN JUAN/INT.,</b>               | 1825N    | 06559W    | 4         |           |              | 1014.8         | 27.9        | .7     | 26.2           |        | 5             | 56    | -94    | 1        |          |          |
| <b>BELIZE</b>                             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78583 BELIZE/PHILLIP GOLDSTON INTL        | 1732N    | 08818W    | 5         |           |              |                | 28.1        | -2     |                |        | 7             | 243   | 138    | 5        | 221      | 82       |
| <b>NICARAGUA</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78741 MANAGUA A.C.SANDINO                 | 1209N    | 08610W    | 56        |           | 1011.8       |                | 27.9        |        | 22.5           |        | 2             | 26    |        | 0        | 296      |          |
| <b>COSTA RICA</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78762 JUAN SANTAMARIA INT. AIRPORT        | 0959N    | 08413W    | 934       |           | 908.5        | 1009.3         | 22.8        | .6     | 22.2           |        | 17            | 285   | 18     | 3        |          |          |
| 78767 PUERTO LIMON                        | 1000N    | 08303W    | 5         |           | 1010.2       | 1010.6         | 26.3        | .2     | 27.9           |        | 12            | 194   | -87    | 2        | 175      | 103      |
| <b>NETHERLANDS ANTILLES &amp; ARUBA</b>   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78866 JULIANA AIRPORT,                    | 1802N    | 06307W    | 4         |           | 1015.6       | 1016.1         | 27.3        | .3     | 26.1           | -9     | 10            | 259   | 163    | 5        | 261      | 104      |
| <b>GUADELOUPE</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>78897 LE RAIZET, GUADELOUPE</b>        | 1616N    | 06131W    | 11        |           | 1013.7       | 1015.0         | 27.2        | .3     | 28.2           |        | 14            | 119   | -29    | 4        | 236      | 110      |
| <b>MARTINIQUE</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78925 LE LAMENTIN                         | 1436N    | 06100W    | 8         |           | 1013.7       | 1014.6         | 27.8        | 1.0    | 28.6           | .7     | 13            | 85    | -38    | 2        | 198      | 78       |
| <b>BARBADOS</b>                           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>78954 GRANTLEY ADAMS</b>               | 1304N    | 05929W    | 56        |           | 1008.1       | 1014.5         | 28.3        |        | 28.2           |        | 6             | 22    |        | 1        | 295      |          |
| <b>TRINIDAD AND TOBAGO</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78970 PIARCO INT. AIRPORT,                | 1037N    | 06121W    | 15        |           | 1011.2       | 1013.7         | 27.7        | .8     | 27.8           | -7     | 5             | 43    | -73    | 1        | 292      | 125      |
| <b>CURACAO AND BONAIRE</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78988 HATO AIRPORT, CURACAO               | 1212N    | 06858W    | 9         |           | 1011.2       | 1012.1         | 28.5        | .6     | 31.0           | 2.0    | 2             | 3     | -22    | 3        | 304      | 125      |
| <b>COLOMBIA</b>                           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>80001 SAN ANDRES (ISLA)/SESQUICENT</b> | 1235N    | 08143W    | 6         |           | 1011.7       | 1011.8         | 28.2        | .4     | 31.5           | .9     | 6             | 117   | -4     | 2        | 275      | 109      |
| 80002 PROVIDENCIA (ISLA)/EL EMBRUJ        | 1322N    | 08121W    | 6         |           |              |                | 28.4        |        | 29.0           |        | 8             | 67    |        | 2        | 296      | 130      |

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| STATION                                  | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>S AMERICA</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>COLOMBIA</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 80009 SANTA MARTA/SIMON BOLIVAR          | 1108N    | 07414W    | 14        |           | 1009.3       | 1009.7         | 29.7        | .9     | 31.9           | 2.4    | 7             | 38    | -3     | 2        | 227      | 100      |
| 80022 CARTAGENA/RAFAEL NUNEZ             | 1027N    | 07531W    | 12        |           | 1009.7       | 1009.9         | 28.7        | .7     | 32.2           | 1.6    | 8             | 130   | 38     | 4        | 187      | 92       |
| 80028 BARRANQUILLA/ERNESTO CORTISS       | 1053N    | 07447W    | 30        |           | 1007.8       | 1009.5         | 28.6        | .5     | 31.7           | 1.6    | 8             | 158   | 66     | 4        | 208      | 112      |
| 80084 APARTADO/LOS CEDROS                | 0749N    | 07642W    | 20        |           |              |                | 27.5        |        | 31.8           |        | 19            | 522   |        |          | 114      | 95       |
| 80091 BARRANCABERMEJA/YARIGUIES          | 0701N    | 07348W    | 134       |           |              |                | 28.0        | .2     | 29.6           | .5     | 20            | 362   | 77     | 3        | 160      | 94       |
| 80094 BUCARAMANGA/PALONEGRO              | 0706N    | 07312W    | 1189      |           | 881.4        |                | 21.7        |        | 22.2           |        | 15            | 125   | 2      | 3        | 163      | 110      |
| 80097 CUCUTA/CAMILO DAZA                 | 0756N    | 07231W    | 317       |           | 974.8        | 1009.3         | 27.8        | .1     | 24.5           | -8     | 10            | 43    | -42    | 2        | 193      | 108      |
| 80099 ARAUCA/SANTIAGO PEREZ              | 0704N    | 07044W    | 128       |           | 991.7        | 1006.2         | 26.7        | .4     | 28.6           | .3     | 16            | 340   | 141    | 4        | 77       | 52       |
| 80112 RIONEGRO/J.M.CORDOVA               | 0608N    | 07526W    | 2142      |           | 791.3        |                | 16.9        |        | 16.2           |        | 20            | 260   |        |          | 136      | 95       |
| 80139 PUERTO CARRENO/A.GUAUQUEA          | 0610N    | 06730W    | 55        |           |              |                | 27.5        | .0     | 27.9           | .8     | 17            | 198   | -82    | 1        | 127      | 91       |
| 80144 QUIBDO/EL CARANO                   | 0543N    | 07637W    | 53        |           |              |                | 27.0        | .3     | 30.5           | .4     | 29            | 813   | 109    | 4        | 103      | 92       |
| 80210 PEREIRA/MATECANA                   | 0449N    | 07544W    | 1342      |           | 865.8        |                | 21.6        | .2     | 20.7           | .8     | 23            | 366   | 131    | 5        | 166      | 118      |
| 80214 IBAGUE/PERALES                     | 0426N    | 07509W    | 928       |           |              |                | 23.9        | .4     | 23.6           | .4     | 15            | 142   | -96    | 2        | 171      | 106      |
| <b>80222 BOGOTA/ELDORADO</b>             | 0442N    | 07409W    | 2547      |           | 753.1        |                | 13.3        | -5     | 13.0           | .2     | 19            | 192   | 98     | 5        | 98       | 85       |
| 80234 VILLAVICENCIO/VANGUARDIA           | 0410N    | 07337W    | 431       |           | 961.8        | 1011.2         | 24.7        | -1     | 25.4           | .1     | 23            | 754   | 191    | 4        | 106      | 90       |
| <b>80259 CALI/ALFONSO BONILLA ARAGON</b> | 0333N    | 07623W    | 969       |           | 905.6        |                | 23.6        |        | 22.1           |        | 12            | 134   | 39     | 5        | 155      | 110      |
| 80315 NEIVA/BENITO SALAS                 | 0258N    | 07518W    | 443       |           | 958.6        | 1007.0         | 28.3        | .9     | 23.6           | -8     | 2             | 5     | -104   | 0        | 166      | 99       |
| 80370 IPIALES/SAN LUIS                   | 0049N    | 07738W    | 2961      |           |              |                | 11.5        | .5     | 11.1           | -2     | 6             | 23    | -53    | 0        | 148      | 120      |
| 80398 LETICIA/VASQUEZ COBO               | 0410S    | 06957W    | 84        |           | 1005.4       | 1014.9         | 24.8        | -1.0   | 27.3           | -1.7   | 15            | 255   | -23    | 2        | 123      | 81       |
| <b>VENEZUELA</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 80403 CORO                               | 1125N    | 06941W    | 17        |           |              |                | 29.3        | .9     | 28.8           |        | 2             | 23    | -3     | 4        | 258      | 104      |
| 80407 MARACAIBO-LA CHINITA               | 1034N    | 07144W    | 66        |           | 1005.9       | 1013.5         | 27.7        | -.4    | 30.3           |        | 7             | 229   | 162    | 6        | 197      | 110      |
| 80410 BARQUISIMETO                       | 1004N    | 06919W    | 614       |           | 942.9        |                | 23.9        | -.1    |                |        | 1             | 49    | -26    | 3        | 192      | 100      |
| 80413 MARACAY - B. A. SUCRE              | 1015N    | 06739W    | 437       |           | 963.1        | 1011.6         | 25.9        | -.1    | 29.1           |        | 13            | 337   | 231    | 6        | 188      | 91       |
| 80415 CARACAS/MAIQUETIA AEROP. INT       | 1036N    | 06659W    | 48        |           | 1010.1       | 1011.5         | 27.7        | 1.1    | 30.3           |        | 8             | 74    | 38     | 5        | 219      | 109      |
| 80416 CARACAS/LA CARLOTA                 | 1030N    | 06653W    | 835       |           | 920.5        |                | 23.1        | -.1    | 22.7           |        | 13            | 161   | 81     |          | 176      | 97       |
| 80419 BARCELONA                          | 1007N    | 06441W    | 7         |           | 1011.1       | 1012.0         | 29.0        | 1.3    | 20.7           |        | 4             | 41    | -7     | 3        | 120      | 47       |
| 80420 CUMANA                             | 1027N    | 06411W    | 4         |           | 1012.5       | 1013.1         | 28.6        |        | 29.7           |        | 3             | 31    |        |          | 295      | 125      |
| 80421 PORLAMAR (AEROPUERTO INT. DE       | 1055N    | 06358W    | 24        |           | 1010.0       | 1012.2         | 28.4        |        | 29.8           |        | 0             | 0     |        |          | 317      | 125      |
| <b>80423 GUIRIA</b>                      | 1035N    | 06219W    | 14        |           |              |                | 27.8        | .1     | 28.1           |        | 3             | 48    | -14    | 3        | 283      | 127      |
| <b>80425 MENE GRANDE</b>                 | 0949N    | 07056W    | 28        |           |              |                | 28.1        | .4     | 30.7           |        | 14            | 285   | 132    | 5        | 205      | 113      |
| 80426 VALERA                             | 0921N    | 07037W    | 582       |           | 949.4        | 1014.1         | 25.2        |        | 25.8           |        | 9             | 101   |        |          | 160      | 100      |
| 80427 ACARIGUA                           | 0933N    | 06914W    | 226       |           | 986.1        | 1011.3         | 27.8        | 1.8    | 24.5           |        | 20            | 241   | 48     |          | 135      | 91       |
| 80428 GUANARE                            | 0901N    | 06944W    | 163       |           |              | 1010.9         | 26.6        | .6     | 25.9           |        | 13            | 222   | -5     |          | 93       | 64       |
| 80431 SAN JUAN DE LOS MORROS             | 0955N    | 06720W    | 429       |           |              |                | 26.3        |        | 26.6           |        | 15            | 306   |        |          | 166      | 110      |
| 80434 VALLE DE LA PASCUA                 | 0913N    | 06601W    | 125       |           | 992.8        | 1007.5         | 27.1        |        | 27.7           |        | 13            | 245   |        |          | 185      |          |
| 80435 MATURIN                            | 0945N    | 06311W    | 66        |           | 1005.5       | 1013.2         | 28.6        | 2.0    | 26.1           |        | 5             | 40    | -60    | 2        | 267      | 125      |
| 80437 EL VIGIA                           | 0838N    | 07139W    | 103       |           | 1000.7       | 1008.9         | 27.4        |        | 26.8           |        | 12            | 350   |        |          | 166      |          |
| <b>80438 MERIDA</b>                      | 0836N    | 07111W    | 1498      |           | 851.6        | 1513 Y         | 20.0        | .4     | 17.0           |        | 18            | 253   | 17     | 4        | 148      | 77       |

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| STATION                               | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                       |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 80440 BARINAS                         | 0837N    | 07013W    | 204       |           |              | 1012.8         | 26.2        |        | 26.7           |        | 12            | 124   |        |          | 100      |          |
| 80442 CALABOZO                        | 0856N    | 06725W    | 101       |           |              |                | 27.6        |        | 31.4           |        | 20            | 372   |        |          | 103      |          |
| 80444 CIUDAD BOLIVAR                  | 0809N    | 06333W    | 48        |           | 1005.9       | 1011.0         |             |        | 29.4           |        | 13            | 226   | 124    | 5        | 250      | 111      |
| 80447 SAN ANTONIO DEL TACHIRA         | 0751N    | 07227W    | 378       |           | 966.8        | 1008.5         | 26.9        | .3     | 20.3           |        | 10            | 62    | -19    | 3        | 161      | 95       |
| 80448 GUASDUALITO                     | 0714N    | 07048W    | 131       |           |              |                | 25.9        | .3     | 27.9           |        | 16            | 234   | 2      |          | 122      | 81       |
| <b>80450 SAN FERNANDO DE APURE</b>    | 0754N    | 06725W    | 48        |           |              |                | 25.7        | -1.5   | 30.0           |        | 18            | 408   | 241    | 6        | 138      | 73       |
| <b>80453 TUMEREMO</b>                 | 0718N    | 06127W    | 181       |           |              |                | 25.5        | -1     | 30.7           |        | 12            | 70    | -65    |          | 177      | 99       |
| 80457 PUERTO AYACUCHO                 | 0536N    | 06730W    | 74        |           | 1005.5       | 1014.2         | 26.2        | .1     | 23.3           |        | 23            | 319   | 8      | 4        | 99       | 66       |
| <b>80462 SANTA ELENA DE UAIREN</b>    | 0436N    | 06107W    | 907       |           |              |                | 21.6        | -1     | 22.9           |        | 25            | 353   | 139    | 5        | 115      | 69       |
| 80472 VALENCIA                        | 1010N    | 06756W    | 431       |           | 962.5        | 1010.1         | 25.5        |        | 26.0           |        | 15            | 118   |        |          | 160      |          |
| 80475 STO. DOMINGO                    | 0735N    | 07204W    | 327       |           | 979.9        | 1016.6         | 24.5        |        | 22.4           |        | 24            | 436   |        |          | 122      | 105      |
| <b>GUYANA</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 81001 GEORGETOWN                      | 0648N    | 05809W    | 2         |           |              |                | 26.8        | .0     | 30.3           | .7     | 21            | 0478  | 0193   | 5        | 310      | 174      |
| 81002 TIMEHRI/CHEDDI JAGAN INTERNA    | 0630N    | 05815W    | 30        |           | 1009.6       | 1013.1         | 26.6        | 1.0    | 29.4           | .7     | 19            | 0355  | 0039   | 4        | 136      |          |
| <b>SURINAME</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 81225 ZANDERIJ                        | 0527N    | 05512W    | 15        |           | 1010.3       | 1012.7         | 26.0        |        |                |        | 21            | 268   |        |          |          |          |
| <b>FRENCH GUIANA</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>81405 ROCHAMBEAU</b>               | 0450N    | 05222W    | 9         |           | 1011.9       | 1012.8         | 26.5        |        | 29.6           |        | 29            | 675   | 76     | 4        | 113      | 81       |
| 81415 MARIPASOULA                     | 0338N    | 05402W    | 104       |           | 1001.0       | 1012.9         | 27.5        |        | 29.8           |        | 25            | 417   | 30     | 4        |          |          |
| <b>BRAZIL</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>82024 BOA VISTA</b>                | 0249N    | 06039W    | 90        |           |              |                | 26.6        |        | 30.6           |        | 22            | 640   | 253    | 6        |          |          |
| 82098 MACAPA                          | 0002N    | 05103W    | 15        |           | 1010.6       | 1012.3         | 26.7        | .6     | 30.7           |        | 20            | 293   | -58    | 4        |          |          |
| <b>82106 SAO GABRIEL DA CACHOEIRA</b> | 0008S    | 06705W    | 90        |           |              |                | 25.4        | -7     | 29.9           |        | 27            | 447   | 96     | 5        |          |          |
| <b>82113 BARCELOS</b>                 | 0059S    | 06255W    | 40        |           |              |                | 25.6        | -2     | 26.6           |        | 20            | 341   | -4     | 4        |          |          |
| 82191 BELEM                           | 0127S    | 04828W    | 10        |           | 1010.8       | 1011.4         | 26.6        | .7     | 30.8           |        | 24            | 326   | 22     | 5        |          |          |
| 82212 FONTE BOA                       | 0232S    | 06610W    | 56        |           | 1005.2       | 1013.4         | 26.1        | .1     | 31.0           |        | 17            | 298   | 36     | 4        |          |          |
| 82246 BELTERRA                        | 0238S    | 05457W    | 176       |           | 993.2        | 1013.5         | 25.4        | .9     | 30.4           |        | 25            | 446   | 182    | 5        |          |          |
| 82280 SAO LUIZ                        | 0232S    | 04418W    | 51        |           | 1006.4       | 1012.2         | 26.3        | .4     | 31.0           |        | 22            | 536   | 217    | 5        |          |          |
| <b>82331 MANAUS</b>                   | 0308S    | 06001W    | 72        |           | 1005.6       | 1013.6         | 26.2        | -1     | 30.6           |        | 23            | 382   | 126    | 5        |          |          |
| 82336 ITACOATIARA                     | 0308S    | 05826W    | 40        |           |              |                | 26.0        | .2     | 31.0           |        | 21            | 320   | 116    | 4        |          |          |
| 82397 FORTALEZA                       | 0346S    | 03836W    | 26        |           | 1009.8       | 1012.9         | 26.5        | .2     | 29.8           |        | 17            | 506   | 280    | 5        |          |          |
| 82445 ITAITUBA                        | 0416S    | 05559W    | 45        |           | 1009.5       | 1014.7         | 24.9        | -1.6   | 31.6           |        | 23            | 261   | 73     | 5        |          |          |
| 82460 BACABAL                         | 0415S    | 04447W    | 25        |           | 1009.4       | 1012.3         | 27.4        | .9     | 31.6           |        | 18            | 278   | 90     | 4        |          |          |
| 82533 MANICORE                        | 0549S    | 06118W    | 50        |           | 1006.3       | 1011.9         | 24.5        | -7     | 35.0           |        | 18            | 274   | 159    | 4        |          |          |
| 82562 MARABA                          | 0521S    | 04909W    | 95        |           | 1000.4       | 1011.1         | 27.0        | .5     | 30.1           |        | 14            | 251   | 162    | 6        |          |          |
| <b>82571 BARRA DO CORDA</b>           | 0530S    | 04516W    | 153       |           | 994.8        | 1012.2         | 26.2        | 1.2    | 29.1           |        | 10            | 102   | 37     | 5        |          |          |
| 82578 TERESINA                        | 0505S    | 04249W    | 74        |           | 1003.8       | 1014.1         | 26.5        | .4     | 29.9           |        | 13            | 253   | 144    | 5        |          |          |
| <b>82586 QUIXERAMOBIM</b>             | 0512S    | 03918W    | 212       |           | 986.6        | 1010.5         | 25.1        | -5     | 23.4           |        | 16            | 176   | 38     | 4        |          |          |
| 82598 NATAL                           | 0546S    | 03512W    | 45        |           | 1008.0       | 1013.2         | 26.2        | .8     | 30.8           |        | 18            | 115   | -57    | 1        |          |          |

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| STATION                      | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                              |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 82678 FLORIANO               | 0646S    | 04301W    | 127       |           | 999.0        | 1014.8         | 26.7        | .1     | 26.4           |        | 6             | 51    | 18     | 4        |          |          |
| <b>82704 CRUZEIRO DO SUL</b> | 0738S    | 07240W    | 170       |           | 989.6        | 1008.9         | 24.5        | -.9    | 25.4           |        | 8             | 77    | 44     | 1        |          |          |
| 82723 LABREA                 | 0715S    | 06450W    | 60        |           | 1005.5       | 1013.7         | 25.2        | -.2    | 27.6           |        | 10            | 154   | 121    | 3        |          |          |
| 82765 CAROLINA               | 0720S    | 04728W    | 193       |           | 991.5        | 1015.5         | 27.1        | .9     | 29.4           |        | 10            | 125   | 74     | 5        |          |          |
| 82784 BARBALHA               | 0719S    | 03918W    | 409       |           | 967.5        | 1013.0         | 24.4        | .3     | 25.6           |        | 5             | 23    | -25    | 2        |          |          |
| 82791 PATOS                  | 0701S    | 03716W    | 249       |           | 985.7        | 1013.6         | 26.1        |        | 25.8           |        | 14            | 148   | -6     | 5        |          |          |
| <b>82825 PORTO VELHO</b>     | 0846S    | 06355W    | 95        |           | 1003.7       | 1010.4         | 24.5        | -.4    | 24.6           |        | 6             | 87    | -31    | 2        |          |          |
| 82900 RECIFE                 | 0803S    | 03455W    | 7         |           | 1013.1       | 1014.0         | 25.8        | .6     | 28.9           |        | 24            | 338   | 10     | 4        |          |          |
| 82915 RIO BRANCO             | 0958S    | 06748W    | 160       |           | 995.8        | 1014.3         | 22.4        | -2.1   | 23.9           |        | 6             | 98    | -3     | 3        |          |          |
| 82983 PETROLINA              | 0923S    | 04029W    | 370       |           | 972.0        | 1013.5         | 25.9        | .5     | 21.7           |        | 3             | 29    | 1      | 4        |          |          |
| <b>83064 PORTO NACIONAL</b>  | 1043S    | 04835W    | 239       |           | 985.4        | 1012.2         | 26.6        | .4     | 26.9           |        | 5             | 59    | 22     | 3        | 206      | 78       |
| 83096 ARACAJU                | 1055S    | 03703W    | 5         |           | 1013.8       | 1014.5         | 26.1        | .1     | 27.4           |        | 20            | 327   | 55     | 4        | 192      | 94       |
| 83186 JACOBINA               | 1111S    | 04028W    | 485       |           | 960.5        | 1014.3         | 22.6        | -.7    | 22.0           |        | 7             | 38    | -10    | 2        | 153      | 89       |
| <b>83229 SALVADOR</b>        | 1301S    | 03831W    | 51        |           | 1010.3       | 1016.2         | 25.0        | -.2    | 27.2           |        | 18            | 396   | 72     | 4        | 129      | 74       |
| 83235 TAGUATINGA             | 1224S    | 04626W    | 604       |           | 945.8        | 1012.3         | 24.6        | .3     | 21.3           |        | 5             | 39    | 17     | 4        | 208      | 87       |
| <b>83236 BARREIRAS</b>       | 1209S    | 04500W    | 439       |           | 963.6        | 1013.0         | 22.8        | -.6    | 22.5           |        | 4             | 64    | 42     | 5        | 237      | 94       |
| 83242 LENCOIS                | 1234S    | 04123W    | 439       |           | 965.6        | 1015.2         | 22.3        | -.6    | 22.7           |        | 11            | 194   | 116    | 5        | 141      | 95       |
| <b>83264 GLEBA CELESTE</b>   | 1212S    | 05630W    | 415       |           | 970.7        | 1017.4         | 24.6        | .7     | 22.3           |        | 1             | 4     | -42    | 1        | 249      | 115      |
| 83288 BOM JESUS DA LAPA      | 1316S    | 04325W    | 440       |           | 964.1        | 1013.5         | 24.0        | -.9    | 21.1           |        | 20            | 0060  | 0049   | 5        | 240      | 91       |
| 83332 POSSE                  | 1406S    | 04622W    | 826       |           | 923.0        | 1012.9         | 23.2        | .2     | 17.4           |        | 1             | 3     | -16    | 1        | 236      | 96       |
| 83344 VITORIA DA CONQUISTA   | 1457S    | 04053W    | 840       |           | 919.3        | 1016.4         | 18.9        | -.9    | 18.5           |        | 10            | 53    | 34     | 5        | 169      | 92       |
| 83358 POXOREO (POXOREU)      | 1550S    | 05423W    | 450       |           |              |                | 20.9        |        | 19.3           |        | 2             | 40    |        | 1        | 253      |          |
| <b>83361 CUIABA</b>          | 1533S    | 05607W    | 151       |           | 997.2        | 1017.6         | 22.9        | -1.7   | 20.8           |        | 1             | 12    | -41    | 2        | 239      | 115      |
| 83377 BRASILIA               | 1547S    | 04756W    | 1159      |           | 888.5        | 1013.7         | 20.1        | -.1    | 15.5           |        | 5             | 35    | -4     | 3        | 248      | 106      |
| 83423 GOIANIA                | 1640S    | 04915W    | 741       |           | 932.4        | 1014.1         | 22.7        | .6     | 16.7           |        | 2             | 20    | -16    | 2        |          |          |
| 83437 MONTES CLAROS          | 1643S    | 04352W    | 646       |           | 943.0        | 1015.3         | 20.4        | -.8    | 18.0           |        | 0             | 0     | -14    | 0        | 281      | 101      |
| 83492 TEOFILLO OTONI         | 1751S    | 04131W    | 356       |           | 976.6        | 1015.3         | 21.4        | .8     | 20.7           |        | 2             | 7     | -23    | 1        | 178      | 102      |
| <b>83498 CARAVELAS</b>       | 1744S    | 03915W    | 3         |           | 1016.6       | 1017.1         | 23.7        | -.5    | 20.8           |        | 8             | 57    | -62    | 1        | 127      | 62       |
| 83550 SAO MATEUS             | 1842S    | 03951W    | 25        |           | 1013.8       | 1016.3         | 23.3        | -.1    | 23.4           |        | 1             | 3     | -54    | 1        | 213      | 116      |
| 83552 CORUMBA                | 1905S    | 05730W    | 130       |           | 1001.4       | 1019.5         | 21.4        | -1.7   | 19.0           |        | 3             | 60    | 7      | 4        |          |          |
| 83565 PARANAIBA              | 1942S    | 05111W    | 331       |           | 968.7        | 1016.2         | 20.3        | -1.2   | 15.6           |        | 3             | 23    | -35    | 2        | 249      | 103      |
| 83579 ARAXA                  | 1934S    | 04656W    | 1004      |           | 904.2        | 1016.5         | 19.1        | -.1    | 14.9           |        | 4             | 22    | -21    | 3        | 273      | 119      |
| 83587 BELO HORIZONTE         | 1956S    | 04356W    | 850       |           | 914.6        | 1015.2         | 20.0        | .2     | 14.5           |        | 3             | 46    | 19     | 5        | 231      | 97       |
| 83592 CARATINGA              | 1948S    | 04209W    | 609       |           | 948.4        | 1017.3         | 18.9        | -.9    | 19.8           |        | 3             | 75    | 42     | 5        | 214      | 105      |
| <b>83618 TRES LAGOAS</b>     | 2047S    | 05142W    | 313       |           | 980.6        |                | 18.2        |        | 18.2           |        | 4             | 6     | -64    | 1        | 237      | 113      |
| 83630 FRANCA                 | 2033S    | 04726W    | 1026      |           | 905.7        | 1016.8         | 18.3        | 1.7    | 14.2           |        | 2             | 4     | -53    | 0        | 247      |          |
| 83648 VITORIA                | 2019S    | 04020W    | 36        |           | 1013.2       | 1017.5         | 23.5        | -.2    | 21.1           |        | 01            | 1     | -79    | 0        | 209      |          |
| 83676 CATANDUVA              | 2108S    | 04858W    | 536       |           | 952.2        | 1015.5         | 19.5        | -1.1   | 14.2           |        | 2             | 17    | -36    | 1        | 230      | 102      |
| 83698 CAMPOS                 | 2145S    | 04120W    | 11        |           | 1016.6       | 1018.0         | 22.3        |        | 20.2           |        | 5             | 18    |        | 1        |          |          |
| 83702 PONTA PORÁ             | 2232S    | 05542W    | 650       |           | 941.7        | 1019.5         |             |        | 14.4           |        | 2             | 29    | -106   | 1        | 230      | 124      |
| 83704 IVINHEMA               | 2219S    | 05356W    | 369       |           | 974.4        | 1015.7         | 18.9        | -1.5   | 15.4           |        | 3             | 32    | -70    | 1        | 252      | 123      |
| 83716 PRESIDENTE PRUDENTE    | 2207S    | 05123W    | 436       |           | 966.4        | 1016.3         | 19.5        |        | 14.4           |        | 4             | 25    |        | 1        | 265      |          |
| 83726 SAO CARLOS             | 2201S    | 04753W    | 856       |           | 921.6        | 1019.6         | 17.2        | -.9    | 14.0           |        | 3             | 6     | -55    | 1        | 218      |          |
| 83738 RESENDE                | 2229S    | 04428W    | 440       |           | 963.2        | 1013.4         | 18.6        |        | 17.5           |        | 5             | 39    |        | 3        | 183      |          |
| 83766 LONDRINA               | 2323S    | 05111W    | 566       |           | 953.5        | 1019.7         | 17.6        | -.7    | 15.3           |        | 4             | 36    | -71    | 5        | 236      | 117      |
| <b>83781 SAO PAULO</b>       | 2330S    | 04637W    | 792       |           | 928.2        | 1017.7         | 17.0        | -.6    | 14.5           |        | 2             | 15    | -58    | 1        |          |          |

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| STATION                       | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                               |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 83836 IRATI                   | 2528S    | 05038W    | 837       |           | 919.6        | 1017.9         | 12.6        |        | 10.2           |        | 5             | 12    |        | 1        | 167      | 105      |
| <b>83842 CURITIBA</b>         | 2525S    | 04916W    | 924       |           | 915.3        | 1019.1         | 14.2        | -4     | 12.9           |        | 3             | 26    | -73    | 2        | 176      | 116      |
| <b>83881 IRAI</b>             | 2711S    | 05314W    | 247       |           | 989.2        | 1018.2         | 14.4        | -9     | 13.9           |        | 3             | 20    | -141   | 0        | 209      | 122      |
| 83897 FLORIANOPOLIS           | 2735S    | 04834W    | 2         |           | 1018.2       | 1018.5         | 17.8        | -7     | 16.1           |        | 5             | 49    | -47    | 2        | 200      | 108      |
| 83967 PORTO ALEGRE            | 3001S    | 05113W    | 47        |           | 1014.9       | 1020.6         | 15.5        | -1.3   | 14.7           |        | 8             | 172   | 78     | 5        | 153      | 92       |
| 83980 BAGE                    | 3120S    | 05406W    | 242       |           | 992.0        | 1020.9         | 12.5        | -2.2   | 12.0           |        | 5             | 96    | -7     | 2        | 192      | 119      |
| 83997 ST.VITORIA DO PALMAR    | 3331S    | 05321W    | 24        |           | 1018.6       | 1023.1         | 13.4        | -1.0   | 13.4           |        | 6             | 25    | -68    | 1        | 188      | 107      |
| <b>PERU</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 84370 TUMBES                  | 0333S    | 08023W    | 27        |           | 1007.4       | 1010.3         | 26.3        |        | 25.8           |        | 0             | 0     |        | 3        |          |          |
| 84377 IQUITOS                 | 0347S    | 07318W    | 126       |           | 1002.5       | 1013.2         | 24.6        |        | 25.6           |        |               |       |        |          |          |          |
| 84401 PIURA                   | 0512S    | 08036W    | 55        |           | 1008.7       | 1015.5         | 23.5        |        | 20.8           |        | 0             | 0     | -15    | 4        |          |          |
| 84452 CHICLAYO                | 0647S    | 07949W    | 30        |           | 1013.9       | 1017.0         | 21.6        |        | 18.6           |        | 0             | 0     | -1     | 4        |          |          |
| 84455 TARAPOTO                | 0630S    | 07622W    | 282       |           | 984.5        | 1019.7         | 26.9        |        | 26.6           |        | 6             | 27    | -73    | 1        |          |          |
| 84501 TRUJILLO                | 0805S    | 07906W    | 30        |           | 1011.3       | 1015.3         | 19.0        |        | 17.7           |        | 0             | 0     | -1     | 5        |          |          |
| 84515 PUCALLPA                | 0822S    | 07434W    | 149       |           | 996.4        | 1014.0         | 25.8        |        | 25.0           |        | 2             | 29    |        | 0        |          |          |
| 84628 LIMA/CALLAO             | 1201S    | 07707W    | 13        |           | 1012.1       | 1013.7         | 17.7        |        | 17.0           |        | 0             | T     | -1     | 4        | 148      |          |
| 84686 CUZCO                   | 1332S    | 07156W    | 3249      |           | 689.4        |                | 10.3        |        | 5.6            |        | 0             | 0     | -8     | 2        |          |          |
| 84691 PISCO                   | 1344S    | 07613W    | 7         |           | 1012.4       | 1013.1         | 18.5        |        | 18.3           |        | 0             | 0     | 0      | 4        |          |          |
| 84735 JULIACA                 | 1528S    | 07009W    | 3827      |           | 645.5        |                | 10.6        |        | 7.2            |        | 0             | 0     | -9     | 2        |          |          |
| 84752 AREQUIPA                | 1620S    | 07134W    | 2539      |           | 754.3        |                | 13.9        |        | 3.5            |        | 0             | 0     | -1     | 5        |          |          |
| 84782 TACNA                   | 1803S    | 07016W    | 469       |           | 963.6        | 1014.5         | 17.5        |        | 14.0           |        | 0             | 0     | -1     | 5        |          |          |
| <b>BOLIVIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 85041 COBIZA                  | 1102S    | 06847W    | 235       |           | 982.4        | 1010.6         | 25.4        |        | 20.6           |        | 10            | 122   |        | 1        |          |          |
| 85043 RIBERALTA               | 1100S    | 06607W    | 141       |           | 992.1        | 1008.1         | 18.6        |        | 21.3           |        | 12            | 249   |        | 4        |          |          |
| 85104 SAN JOAQUIN             | 1304S    | 06449W    | 140       |           | 987.7        | 1007.2         | 26.4        |        | 20.1           |        | 9             | 156   |        | 4        |          |          |
| 85109 SAN RAMON               | 1318S    | 06442W    | 140       |           | 986.8        | 1008.1         | 26.5        |        | 20.1           |        | 9             | 156   |        | 4        |          |          |
| 85114 MAGDALENA               | 1320S    | 06407W    | 140       |           | 990.3        | 1008.1         | 26.8        |        | 21.2           |        | 9             | 148   |        |          |          |          |
| 85123 SANTA ANA               | 1346S    | 06526W    | 144       |           | 1001.6       | 1008.0         | 28.4        |        | 21.8           |        | 9             | 133   |        | 2        |          |          |
| 85141 RURRENABAQUE            | 1428S    | 06734W    | 204       |           | 984.0        | 1006.9         | 27.7        |        | 22.6           |        | 12            | 173   |        | 2        |          |          |
| 85151 APOLO                   | 1444S    | 06830W    | 1415      |           | 857.6        |                | 21.3        |        | 14.0           |        | 9             | 42    |        | 1        |          |          |
| 85152 SAN BORJA               | 1452S    | 06652W    | 194       |           | 985.9        | 1009.5         | 26.1        |        | 18.9           |        | 3             | 93    |        | 2        |          |          |
| 85154 TRINIDAD                | 1449S    | 06455W    | 155       |           | 988.2        | 1010.4         | 25.7        |        | 20.1           |        | 4             | 34    |        | 1        |          |          |
| 85175 ASCENCION DE GUARAYOS   | 1543S    | 06306W    | 247       |           | 983.6        | 1011.8         | 24.4        |        | 16.6           |        | 7             | 0096  |        | 0        |          |          |
| 85195 SAN JAVIER              | 1616S    | 06228W    | 534       |           | 950.5        | 1010.7         | 25.4        |        | 19.5           |        | 5             | 77    |        | 2        |          |          |
| 85196 CONCEPCION              | 1609S    | 06201W    | 497       |           | 953.8        | 1010.2         | 25.8        |        | 20.5           |        | 16            | 96    |        | 2        |          |          |
| 85201 LA PAZ/ALTO             | 1631S    | 06811W    | 4058      |           | 629.8        |                | 8.1         |        | 4.0            |        | 6             | 18    |        | 2        |          |          |
| 85210 SAN MATIAS              | 1620S    | 05823W    | 124       |           | 997.2        | 1012.2         | 27.8        |        | 23.0           |        | 12            | 270   |        |          |          |          |
| 85230 CHARANA                 | 1735S    | 06936W    | 4054      |           |              |                | 8.0         |        | 3.4            |        | 1             | 15    |        | 4        |          |          |
| 85242 ORURO                   | 1758S    | 06704W    | 3072      |           |              |                | 10.5        |        | 4.4            |        | 3             | 31    |        | 4        |          |          |
| 85245 SANTA CRUZ/EL TROMPILLO | 1748S    | 06311W    | 418       |           | 962.9        | 1010.2         | 24.9        |        |                |        | 2             | 123   |        | 4        |          |          |
| 85247 SAN JOSE DE CHIQUITOS   | 1748S    | 06044W    | 284       |           | 978.1        | 1010.2         | 27.7        |        | 20.1           |        | 14            | 164   |        | 4        |          |          |
| 85264 VALLEGRANDE             | 1828S    | 06406W    | 1998      |           |              |                | 16.7        |        | 10.7           |        | 6             | 48    |        |          |          |          |
| 85268 ROBORE                  | 1819S    | 05946W    | 276       |           | 981.2        | 1026.3         | 24.3        |        | 18.0           |        | 8             | 93    |        | 3        |          |          |

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| STATION                          | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 85283 SUCRE                      | 1901S    | 06518W    | 2904      |           | 720.3        |                | 14.1        |        | 8.4            |        | 4             | 37    |        | 3        |          |          |
| 85289 PUERTO SUAREZ              | 1859S    | 05749W    | 134       |           | 991.8        | 1007.2         | 28.5        |        | 21.7           |        | 7             | 79    |        | 2        |          |          |
| 85293 POTOSI                     | 1933S    | 06544W    | 3935      |           | 627.1        |                | 9.2         |        | 5.2            |        | 3             | 12    |        |          |          |          |
| 85315 CAMIRI                     | 2000S    | 06332W    | 798       |           | 913.2        | 1012.6         | 21.4        |        | 13.8           |        | 5             | 85    |        | 4        |          |          |
| 85345 VILLAMONTES                | 2115S    | 06327W    | 398       |           | 966.9        | 1012.6         | 22.9        |        | 17.0           |        | 11            | 228   |        |          |          |          |
| 85364 TARIJA                     | 2133S    | 06442W    | 1854      |           | 814.3        |                | 14.3        |        | 12.3           |        | 9             | 106   |        | 5        |          |          |
| 85365 YACUIBA                    | 2157S    | 06339W    | 645       |           | 938.0        | 1016.6         | 16.6        |        | 18.1           |        | 11            | 390   |        | 5        |          |          |
| <b>CHILE</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>85406 ARICA</b>               | 1821S    | 07020W    | 55        |           | 1010.5       | 1015.2         | 18.0        | .4     | 14.7           | -6     | 0             | 0     | 0      | 4        | 229      | 120      |
| 85418 IQUIQUE                    | 2032S    | 07011W    | 48        |           | 1009.8       | 1015.5         | 17.1        | .2     | 14.7           | .1     | 0             | 0     | 0      | 4        | 260      | 125      |
| <b>85442 ANTOFAGASTA</b>         | 2326S    | 07027W    | 140       |           | 999.4        | 1016.0         | 15.4        | .2     | 14.3           | .7     | 0             | 0     | 0      | 3        | 227      | 95       |
| <b>85469 ISLA DE PASCUA</b>      | 2710S    | 10920W    | 69        |           | 1007.2       | 1015.3         | 19.8        |        | 16.6           |        | 17            | 334   |        | 5        | 141      | 80       |
| <b>85488 LA SERENA</b>           | 2955S    | 07112W    | 146       |           | 1000.9       | 1016.7         | 12.6        | .3     | 12.6           | .4     | 0             | 0     | -6     | 3        | 122      | 80       |
| 85574 PUDAHUEL                   | 3323S    | 07047W    | 474       |           | 961.8        | 1017.6         | 11.3        |        | 9.3            |        | 2             | 13    |        | 2        | 163      | 110      |
| 85577 QUINTA NORMAL              | 3326S    | 07041W    | 520       |           | 956.2        | 1017.1         | 12.0        |        | 10.2           |        | 01            | 1     |        | 2        | 148      | 110      |
| <b>85585 JUAN FERNANDEZ</b>      | 3337S    | 07849W    | 30        |           | 1013.6       | 1017.2         | 15.1        |        | 14.6           |        | 12            | 176   |        | 4        | 102      | 100      |
| <b>85629 CURICO</b>              | 3458S    | 07113W    | 220       |           |              |                |             |        |                |        | 3             | 28    | -81    | 2        | 102      | 105      |
| 85682 CONCEPCION                 | 3646S    | 07304W    | 148       |           | 1016.9       | 1017.8         | 10.3        | -.5    | 10.6           | -8     | 8             | 107   | -71    | 2        | 104      | 75       |
| <b>85743 TEMUCO</b>              | 3846S    | 07238W    | 93        |           | 1006.7       | 1018.1         | 8.5         | -.9    | 10.0           | -.4    | 0             | 0     | -175   | 4        | 260      | 125      |
| 85766 VALDIVIA                   | 3938S    | 07305W    | 19        |           |              |                |             |        |                |        | 10            | 167   | -127   | 1        | 72       | 100      |
| <b>85799 PUERTO MONTT</b>        | 4126S    | 07306W    | 90        |           | 1007.0       | 1017.9         | 7.9         | -.9    | 10.2           | .1     | 11            | 157   | -77    | 2        | 90       | 125      |
| 85864 COYHAIQUE                  | 4536S    | 07206W    | 311       |           | 972.2        |                | 4.1         | -1.1   | 6.5            | -7     | 10            | 85    | -98    | 1        | 92       | 110      |
| <b>85874 BALMACEDA</b>           | 4555S    | 07142W    | 522       |           | 952.8        |                | 2.6         | -.8    | 6.3            | .1     | 7             | 71    | -21    | 3        |          |          |
| <b>85934 PUNTA ARENAS</b>        | 5300S    | 07051W    | 43        |           | 1000.1       | 1005.1         | 5.3         | 1.9    | 7.2            | .7     | 4             | 15    | -26    | 1        | 105      | 120      |
| <b>PARAGUAY</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 86011 ADRIAN JARA                | 1932S    | 05922W    | 150       |           | 1001.7       | 1019.4         | 18.3        |        | 15.3           |        | 4             | 28    |        | 1        |          |          |
| 86033 BAHIA NEGRA                | 2014S    | 05810W    | 96        |           | 1006.9       | 1016.3         | 18.4        |        | 16.0           |        | 3             | 17    |        | 1        |          |          |
| 86065 PRAT GILL                  | 2242S    | 06130W    | 220       |           | 994.5        | 1020.4         | 17.3        |        | 13.2           |        | 0             | 0     |        | 0        |          |          |
| 86068 MARISCAL ESTIGARRIBIA      | 2201S    | 06036W    | 167       |           | 998.3        | 1017.0         | 17.9        | -3.4   | 14.5           | -3.3   | 1             | 2     | -35    | 1        |          |          |
| 86086 LA VICTORIA                | 2217S    | 05756W    | 88        |           | 1008.5       | 1018.7         | 18.4        | -3.4   | 14.8           | -5.0   | 3             | 38    | -38    | 2        |          |          |
| 86097 PEDRO JUAN CABALLERO       | 2335S    | 05544W    | 652       |           | 954.1        | 1017.7         | 17.0        |        | 13.8           |        | 3             | 46    |        | 4        |          |          |
| 86128 POZO COLORADO              | 2327S    | 05852W    | 99        |           | 1005.3       | 1017.9         |             |        | 15.0           |        | 1             | 23    |        | 1        |          |          |
| 86134 CONCEPCION                 | 2325S    | 05718W    | 74        |           | 1008.8       | 1018.2         | 17.9        | -2.4   | 15.7           | -3.0   | 2             | 69    | -55    | 2        |          |          |
| 86185 SAN PEDRO                  | 2404S    | 05705W    | 80        |           | 1009.5       | 1018.7         |             |        | 15.0           |        | 3             | 90    |        | 3        |          |          |
| 86218 ASUNCION/AEROPUERTO        | 2515S    | 05731W    | 101       |           | 1009.3       | 1019.0         | 17.8        | -2.0   | 14.6           | -3.2   | 3             | 38    | -72    | 1        |          |          |
| 86233 VILLARRICA                 | 2546S    | 05626W    | 161       |           | 999.3        | 1018.2         | 16.8        | -2.1   | 14.9           | -2.4   | 3             | 28    | -103   | 1        |          |          |
| 86246 AEROPUERTO INT. GUARANI    | 2521S    | 05427W    | 236       |           | 991.1        | 1019.1         | 16.4        |        | 14.3           |        | 1             | 5     |        | 0        |          |          |
| 86248 CIUDAD DEL ESTE            | 2532S    | 05436W    | 196       |           | 995.9        | 1017.7         | 16.5        | -1.9   | 14.9           | -2.6   | 1             | 2     | -130   | 0        |          |          |
| 86255 PILAR                      | 2651S    | 05819W    | 59        |           | 1012.2       | 1018.6         | 15.3        | -3.9   | 14.9           | -2.7   | 2             | 36    | -59    | 1        |          |          |
| 86260 SAN JUAN BAUTISTA MISIONES | 2640S    | 05709W    | 126       |           | 1003.1       | 1017.3         | 15.5        | -2.5   | 14.0           | -1.8   | 3             | 33    | -89    | 1        |          |          |
| 86297 ENCARNACION                | 2720S    | 05550W    | 91        |           | 1007.4       | 1018.2         | 15.6        | -1.7   | 14.3           | -1.9   | 3             | 40    | -104   | 1        |          |          |
| <b>ARGENTINA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |



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| STATION                                | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>87007 LA QUIACA OBSERVATORIO</b>    | 2206S    | 06536W    | 3462      |           | 673.6        | 3142 Z         | 6.5         | -2     | 3.3            | .0     | 2             | 11    | 10     | 5        | 289      |          |
| 87016 ORAN AERO                        | 2309S    | 06419W    | 357       |           |              | 1017.4         | 16.6        | -1.6   | 15.0           | -3.1   | 0             | 0     | -22    | 0        | 145      |          |
| 87022 TARTAGAL AERO                    | 2239S    | 06349W    | 450       |           | 966.6        | 1018.3         | 15.9        |        | 13.7           |        | 01            | 1     |        |          | 165      |          |
| 87046 JUJUY AERO                       | 2423S    | 06505W    | 921       |           | 915.7        | 1529 Y         | 13.7        |        | 12.4           |        | 3             | 14    |        | 3        | 126      | 75       |
| <b>87047 SALTA AERO</b>                | 2451S    | 06529W    | 1238      |           | 882.9        | 1539 Y         | 12.2        | -1.1   | 11.4           | -7     | 1             | 2     | -6     | 2        | 132      | 97       |
| 87097 IGUAZU AERO                      | 2544S    | 05428W    | 270       |           | 987.0        | 1019.1         | 16.1        |        | 14.9           |        | 1             | 4     |        | 0        | 218      |          |
| 87121 TUCUMAN AERO                     | 2651S    | 06506W    | 450       |           | 966.8        | 1018.9         | 15.2        |        | 13.4           |        | 1             | 1     |        |          | 104      |          |
| <b>87129 SANTIAGO DEL ESTERO AERO.</b> | 2746S    | 06418W    | 199       |           | 996.2        | 1018.5         | 14.1        | -2.6   | 10.7           | -3.7   | 0             | 0     | -16    | 0        | 216      | 146      |
| 87148 PRESIDENCIA ROQUE SAENZ PENA     | 2644S    | 06029W    | 93        |           | 1007.9       | 1018.7         | 15.0        |        | 13.4           |        | 2             | 10    |        | 1        | 239      |          |
| 87155 RESISTENCIA AERO                 | 2727S    | 05903W    | 53        |           | 1013.2       | 1019.4         | 15.4        |        | 14.1           |        | 3             | 31    |        | 1        | 240      | 155      |
| 87162 FORMOSA AERO                     | 2612S    | 05814W    | 60        |           | 1011.6       | 1018.7         | 16.9        | -2.4   | 14.3           | -4.0   | 3             | 41    | -64    | 2        | 250      | 124      |
| 87163 B.DE IRIGOYEN AERO               | 2615S    | 05339W    | 815       |           | 926.5        | 1538 Y         | 14.1        |        | 12.5           |        | 2             | 5     |        |          | 252      |          |
| 87166 CORRIENTES AERO.                 | 2727S    | 05846W    | 62        |           | 1012.6       | 1020.0         | 16.0        | -2.3   | 13.6           | -3.6   | 4             | 81    | -17    | 3        | 264      | 131      |
| 87178 POSADAS AERO.                    | 2722S    | 05558W    | 131       |           | 1004.6       | 1019.3         | 16.9        | -1.4   | 13.6           | -3.2   | 3             | 74    | -66    | 2        | 209      | 121      |
| 87213 CHILECITO AERO                   | 2914S    | 06726W    | 945       |           |              | 1554 Y         | 13.6        |        | 11.4           |        | 0             | 0     |        |          | 214      |          |
| <b>87217 LA RIOJA AERO.</b>            | 2923S    | 06649W    | 438       |           | 967.9        |                | 14.4        | -1.1   | 8.2            | -4.0   | 1             | 3     | -4     | 1        | 207      | 103      |
| 87222 CATAMARCA AERO.                  | 2836S    | 06546W    | 454       |           | 963.6        | 1016.0         | 16.0        |        | 10.3           |        | 0             | 0     |        | 1        | 188      | 100      |
| <b>87257 CERES AERO</b>                | 2953S    | 06157W    | 88        |           | 1009.7       | 1020.2         | 13.1        | -2.9   | 12.0           | -2.8   | 1             | 6     | -21    | 2        | 210      | 117      |
| 87270 RECONQUISTA AERO                 | 2911S    | 05942W    | 53        |           | 1014.1       | 1020.5         | 14.7        | -2.3   | 12.5           | -4.4   | 2             | 4     | -64    | 1        | 239      | 124      |
| 87289 PASO DE LOS LIBRES AERO          | 2941S    | 05709W    | 70        |           | 1012.1       | 1020.5         | 14.6        | -1.9   | 12.5           | -2.8   | 3             | 28    | -95    | 1        | 213      | 175      |
| <b>87305 JACHAL</b>                    | 3015S    | 06845W    | 1175      |           | 886.4        |                | 11.7        |        | 8.3            |        | 0             | 0     |        | 2        | 291      |          |
| 87311 SAN JUAN AERO                    | 3124S    | 06825W    | 598       |           | 949.7        | 1019.5         | 11.1        |        | 7.4            |        | 0             | 0     |        | 1        | 218      | 100      |
| 87320 CHAMICAL AERO                    | 3022S    | 06617W    | 467       |           | 965.0        | 1018.6         | 14.0        | -1.8   | 10.2           | -1.9   | 1             | 5     | -2     | 3        | 216      |          |
| 87322 CHEPES                           | 3120S    | 06636W    | 658       |           | 941.2        | 1017.4         | 13.5        | -1.3   | 9.9            | -1.4   | 0             | 0     | -5     | 1        |          |          |
| 87328 VILLA DOLORES AERO               | 3157S    | 06508W    | 569       |           | 953.2        | 1019.3         | 13.1        | -1.3   | 8.0            | -3.0   | 2             | 11    | 0      | 4        | 239      | 124      |
| <b>87344 CORDOBA AERO</b>              | 3119S    | 06413W    | 484       |           | 964.5        | 1020.1         | 12.1        | -2.0   | 8.7            | -3.3   | 0             | 0     | -21    | 0        | 208      | 120      |
| 87345 CORDOBA OBSERVATORIO             | 3124S    | 06411W    | 426       |           | 970.6        | 1020.5         | 15.4        | .5     | 10.0           | -1.8   | 1             | 4     | -14    | 2        | 202      | 119      |
| 87349 PILAR OBSERVATORIO               | 3140S    | 06353W    | 338       |           | 980.7        | 1020.8         | 11.6        | -2.5   | 9.5            | -2.4   | 0             | 0     | -17    | 0        | 206      | 109      |
| <b>87374 PARANA AERO</b>               | 3147S    | 06029W    | 78        |           | 1012.2       | 1021.5         | 13.3        | -1.5   | 11.4           | -2.4   | 0             | 0     | -51    | 0        | 201      | 106      |
| 87393 MONTE CASEROS AERO               | 3016S    | 05739W    | 54        |           |              |                | 13.4        | -2.9   | 11.6           | -3.4   | 4             | 31    | -72    | 1        | 203      | 104      |
| 87395 CONCORDIA AERO                   | 3118S    | 05801W    | 38        |           | 1016.8       | 1021.3         | 13.5        | -2.0   | 11.7           | -2.7   | 4             | 33    | -68    | 1        | 182      |          |
| <b>87418 MENDOZA AERO</b>              | 3250S    | 06847W    | 705       |           | 937.4        | 1018.7         | 11.5        | -1     | 8.5            | -5     | 0             | 0     | -5     | 1        | 186      | 95       |
| 87420 MENDOZA OBSERVATORIO             | 3253S    | 06851W    | 827       |           | 923.6        | 1515 Y         | 10.8        | -7     | 8.0            | -8     | 0             | 0     | -8     | 1        |          |          |
| 87436 SAN LUIS AERO                    | 3316S    | 06621W    | 713       |           | 936.8        | 1019.0         | 12.7        | -5     | 7.9            | -1.8   | 0             | 0     | -11    | 1        | 224      | 107      |
| 87448 VILLA REYNOLDS AERO              | 3344S    | 06523W    | 486       |           |              | 1020.5         | 10.7        | -1.1   | 8.2            | -2.0   | 0             | 0     | -20    | 0        | 189      | 104      |
| 87453 RIO CUARTO AERO                  | 3307S    | 06414W    | 421       |           | 970.4        | 1020.1         | 11.1        | -2.0   | 8.5            | -2.4   | 1             | 2     | -21    | 1        | 184      | 106      |
| 87467 MARCOS JUAREZ AERO               | 3242S    | 06209W    | 114       |           | 1006.4       | 1021.2         | 10.4        | -3.3   | 10.6           | -2.2   | 0             | 0     | -36    | 0        | 181      | 115      |
| 87480 ROSARIO AERO                     | 3255S    | 06047W    | 25        |           | 1018.0       | 1021.1         | 12.2        | -1.5   | 11.0           | -2.1   | 0             | 0     | -46    | 0        | 189      | 106      |
| 87497 GUALEGUAYCHU AERO                | 3300S    | 05837W    | 23        |           | 1019.0       | 1021.5         | 12.8        | -1.3   | 10.3           | -2.9   | 1             | 4     | -66    | 1        | 166      | 103      |
| 87506 MALARGUE AERO                    | 3530S    | 06935W    | 1426      |           | 860.2        | 1522 Y         | 6.7         | -7     | 6.0            | -5     | 1             | 13    | -8     | 3        | 186      |          |
| 87509 SAN RAFAEL AERO                  | 3435S    | 06824W    | 748       |           | 932.6        | 1019.4         | 9.9         | -1.1   | 7.8            | -5     | 0             | 0     | -9     | 1        | 183      |          |
| 87532 GENERAL PICO AERO                | 3542S    | 06345W    | 145       |           | 1003.6       | 1021.4         | 10.3        | -1.7   | 9.2            | -1.8   | 01            | 1     | -30    | 1        | 135      | 106      |
| <b>87534 LABOULAYE AERO</b>            | 3408S    | 06322W    | 137       |           | 1004.9       | 1021.5         | 10.0        | -2.7   | 9.0            | -2.3   | 2             | 15    | -13    | 3        | 185      | 109      |
| 87544 PEHUAJO AERO                     | 3552S    | 06154W    | 87        |           | 1011.4       | 1022.0         | 9.9         | -2.0   | 9.5            | -2.1   | 0             | 0     | -42    | 0        | 193      |          |
| 87548 JUNIN AERO                       | 3433S    | 06055W    | 82        |           | 1011.5       | 1021.3         | 10.8        | -1.5   | 9.7            | -2.0   | 2             | 9     | -35    | 1        | 187      | 112      |
| 87550 NUEVE DE JULIO                   | 3527S    | 06053W    | 76        |           | 1012.0       | 1021.0         | 10.7        | -1.8   | 9.9            | -2.1   | 1             | 1     | -46    | 0        |          |          |

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| STATION                              | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                      |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 87563 LAS FLORES                     | 3604S    | 05906W    | 38        |           | 1017.1       | 1021.6         | 10.3        |        | 10.5           |        | 2             | 4     |        | 0        | 199      |          |
| 87576 EZEIZA AERO                    | 3449S    | 05832W    | 20        |           | 1020.0       | 1022.4         | 11.7        | -1.2   | 11.0           | -1.1   | 2             | 2     | -69    | 1        | 134      | 118      |
| 87582 AEROPARQUE BS. AS. AERO        | 3434S    | 05825W    | 6         |           | 1021.6       | 1022.3         | 14.2        | -.5    | 11.9           | -1.3   | 1             | 5     | -66    | 1        | 218      | 135      |
| 87585 BUENOS AIRES OBSERVATORIO      | 3435S    | 05829W    | 25        |           | 1018.9       | 1022.0         | 13.2        | -1.2   | 11.7           | -1.2   | 1             | 5     | -68    | 1        | 197      | 114      |
| 87596 PUNTA INDIO B.A.               | 3522S    | 05717W    | 22        |           | 1019.7       | 1022.4         | 11.7        | -1.1   | 12.1           | -6     | 2             | 8     | -54    | 1        | 187      | 106      |
| 87623 SANTA ROSA AERO                | 3634S    | 06416W    | 191       |           | 997.9        | 1020.9         | 9.4         | -1.8   | 8.4            | -1.9   | 0             | 0     | -27    | 1        | 169      | 107      |
| 87640 BOLIVAR AERO                   | 3612S    | 06104W    | 94        |           | 1011.1       | 1022.7         | 10.2        |        | 9.6            |        | 1             | 2     |        | 1        | 179      |          |
| 87641 AZUL AERO                      | 3650S    | 05953W    | 147       |           | 1004.8       | 1022.8         | 8.7         |        | 8.7            |        |               | 2     |        | 1        | 185      | 85       |
| 87645 TANDIL AERO                    | 3714S    | 05915W    | 175       |           | 1001.4       | 1022.7         | 8.3         |        | 8.5            |        | 0             | 0     |        | 0        | 178      |          |
| 87648 DOLORES AERO                   | 3621S    | 05744W    | 10        |           | 1021.5       | 1022.5         | 10.0        | -1.6   | 10.1           | -1.5   | 1             | 10    | -51    | 1        | 167      | 118      |
| 87688 TRES ARROYOS                   | 3820S    | 06015W    | 115       |           | 1008.3       | 1022.3         | 9.6         |        | 8.9            |        | 01            | 1     |        | 0        | 120      | 80       |
| <b>87692 MAR DEL PLATA AERO</b>      | 3756S    | 05735W    | 21        |           | 1020.3       | 1022.7         | 9.9         | -1.4   | 9.7            | -1.6   | 2             | 5     | -68    | 0        | 168      | 156      |
| <b>87715 NEUQUEN AERO</b>            | 3857S    | 06808W    | 271       |           | 987.4        | 1020.2         | 8.7         | -.5    | 7.7            | .3     | 3             | 3     | -9     | 2        | 158      | 107      |
| <b>87750 BAHIA BLANCA AERO</b>       | 3844S    | 06210W    | 83        |           | 1011.4       | 1021.3         | 9.9         | -1.1   | 8.2            | -1.5   | 0             | 0     | -32    | 0        | 165      |          |
| 87765 BARILOCHE AERO                 | 4109S    | 07110W    | 845       |           | 922.2        | 1499 Y         | 4.4         | -.6    | 6.3            | -.9    | 6             | 34    | -100   | 2        | 153      | 113      |
| 87784 SAN ANTONIO OESTE AERO         | 4047S    | 06506W    | 20        |           | 1017.9       | 1020.4         | 9.4         | -2.2   | 7.4            | -1.4   | 1             | 4     | -20    | 1        | 200      |          |
| 87791 VIEDMA AERO                    | 4051S    | 06301W    | 7         |           | 1019.4       | 1020.2         | 9.6         |        | 8.0            |        | 0             | 0     |        | 0        | 212      | 140      |
| 87800 EL BOLSON AERO                 | 4158S    | 07131W    | 337       |           | 978.0        | 1019.1         | 6.0         |        | 9.6            |        | 8             | 91    |        |          | 153      |          |
| <b>87803 ESQUEL AERO</b>             | 4256S    | 07109W    | 799       |           | 923.4        | 1017.0         | 5.3         | .2     | 6.7            | .4     | 6             | 25    | -53    | 1        | 149      |          |
| 87823 P.MADRYN AERO                  | 4244S    | 06504W    | 136       |           | 1000.4       | 1017.0         | 9.7         |        | 7.4            |        | 1             | 1     |        |          | 175      |          |
| <b>87828 TRELEW AERO</b>             | 4312S    | 06516W    | 43        |           | 1012.0       | 1017.2         | 9.7         | .2     | 7.1            | .2     | 2             | 4     | -15    | 1        | 195      | 126      |
| 87852 PERITO MORENO AERO             | 4631S    | 07101W    | 429       |           | 961.4        | 1013.2         | 5.6         |        | 6.9            |        | 4             | 27    |        |          | 119      |          |
| <b>87860 COMODORO RIVADAVIA AERO</b> | 4547S    | 06730W    | 58        |           | 1008.7       | 1014.3         | 10.5        | 1.0    | 6.7            | -1     | 5             | 30    | -1     | 3        | 186      | 146      |
| 87880 GOBERNADOR GREGORES AERO       | 4847S    | 07010W    | 358       |           | 966.5        | 1009.5         | 7.9         |        | 5.8            |        | 1             | 6     |        |          | 157      |          |
| 87896 PUERTO DESEADO AERO            | 4744S    | 06555W    | 81        |           | 1002.3       | 1012.0         | 8.6         | 1.9    | 8.3            | .8     | 2             | 18    | -12    | 2        | 114      |          |
| 87904 EL CALAFATE AERO               | 5016S    | 07203W    | 204       |           | 984.4        | 1009.0         | 3.8         |        | 6.0            |        | 2             | 4     |        |          | 122      |          |
| 87909 SAN JULIAN AERO                | 4919S    | 06745W    | 62        |           | 1003.3       | 1010.9         | 8.2         |        | 6.6            |        | 2             | 24    |        | 2        | 155      |          |
| <b>87925 RIO GALLEGOS AERO</b>       | 5137S    | 06917W    | 20        |           | 1004.6       | 1007.0         | 5.8         | 1.9    | 6.3            | -1     | 1             | 2     | -21    | 0        | 126      |          |
| 87938 USHUAIA AERO                   | 5448S    | 06819W    | 57        |           | 994.9        | 1001.9         | 5.6         | 2.4    | 7.5            | 1.2    | 9             | 39    | -14    | 1        | 55       |          |
| <b>ANTARCTICA</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>ARGENTINA (ANTARCTIC)</b>         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>88963 BASE ESPERANZA</b>          | 6324S    | 05659W    | 24        |           | 982.7        | 986.3          | -2.5        | 7.1    | 4.5            |        | 17            | 110   | 56     |          | 26       |          |
| <b>88968 BASE ORCADAS</b>            | 6044S    | 04444W    | 8         |           | 992.3        | 993.9          | -.9         | 4.6    | 5.2            |        | 19            | 131   | 69     | 5        | 9        | 70       |
| 89034 BASE BELGRANO II               | 7752S    | 03437W    | 256       |           | 948.1        | 981.1          | -17.6       |        | .9             |        | 3             | 8     |        |          | 0        |          |
| 89053 BASE JUBANY                    | 6214S    | 05838W    | 11        |           | 988.5        | 990.2          | -.7         |        | 5.2            |        | 9             | 30    |        |          | 6        |          |
| 89055 BASE MARAMBIO (CENTRO MET. A)  | 6414S    | 05643W    | 208       |           | 960.8        | 985.3          | -6.1        |        | 3.5            |        | 2             | 6     |        |          | 28       |          |
| 89066 BASE SAN MARTIN                | 6807S    | 06708W    | 7         |           | 978.6        | 981.8          | -4.1        |        | 3.6            |        | 15            | 50    |        |          | 0        |          |
| <b>AUSTRALIA (ANTARCTIC)</b>         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89564 MAWSON</b>                  | 6736S    | 06252E    | 16        |           | 985.7        | 987.8          | -18.3       |        | .7             |        |               |       |        |          | 52       |          |
| <b>89571 DAVIS</b>                   | 6835S    | 07758E    | 23        |           | 981.5        | 984.6          | -19.5       |        | .9             |        |               |       |        |          | 29       |          |

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| STATION                                  | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>89611 CASEY</b>                       | 6617S    | 11030E    | 42        |           | 971.1        | 976.5          | -18.5       |        | 1.2            |        | 4             | 18    |        |          | 19       |          |
| <b>CHILE (ANTARCTIC)</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89056 CENTRO MET. ANTARTICO PDTE.</b> | 6211S    | 05859W    | 48        |           | 984.4        | 989.1          | -1.0        |        | 5.2            | 1.3    | 15            | 59    |        | 2        | 8        |          |
| <b>89059 BASE BERNARDO O'HIGGINS</b>     | 6319S    | 05641W    | 10        |           | 985.3        | 985.8          | -2.3        | 4.0    | 4.6            | 1.4    | 11            | 70    | 4      | 4        | 19       |          |
| <b>GERMANY (ANTARCTIC)</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89002 NEUMAYER</b>                    | 7040S    | 00815W    | 50        |           | 974.9        | 980.1          | -23.0       |        | .9             |        |               |       |        |          | 26       |          |
| <b>JAPAN (ANTARCTIC)</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89532 SYOWA</b>                       | 6900S    | 03935E    | 21        |           | 976.3        | 979.1          | -10.5       | 2.8    | 2.2            | .6     |               |       |        |          | 7        |          |
| <b>UKRAINE (ANTARCTIC)</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89063 VERNADSKY</b>                   | 6515S    | 06416W    | 11        |           | 984.2        | 985.5          | -2.2        |        | 3.9            |        | 19            | 67    |        | 2        |          |          |
| <b>UNITED KINGDOM (ANTARCTIC)</b>        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89022 HALLEY</b>                      | 7535S    | 02639W    | 35        |           | 975.6        | 978.8          | -25.8       |        | .8             |        |               |       |        |          | 1        |          |
| <b>USSR (ANTARCTIC)</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89050 BELLINGSHAUSEN AWS</b>          | 6212S    | 05856W    | 16        |           | 987.5        | 989.4          | -.8         |        | 5.1            |        | 22            | 75    |        |          | 11       |          |
| <b>89512 NOVOLAZAREVSKAJA</b>            | 7046S    | 01150E    | 119       |           | 962.7        | 977.7          | -12.5       |        | 1.1            |        | 5             | 11    |        |          | 11       |          |
| <b>89592 MIRNYJ</b>                      | 6633S    | 09301E    | 40        |           | 975.2        | 981.1          | -21.0       |        | .9             |        | 1             | 5     |        |          |          |          |
| <b>89606 VOSTOK</b>                      | 7827S    | 10650E    | 3488      |           | 614.4        |                | -66.3       |        | .0             |        | 4             | 14    |        |          |          |          |
| <b>SW PACIFIC</b>                        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>MALAYSIA (PENIN. MALAYSIA)</b>        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>48601 PENANG/BAYAN LEPAS</b>          | 0518N    | 10010E    | 4         |           | 1009.3       | 1009.7         | 27.7        | .1     | 30.7           | -.6    | 17            | 381   | 178    | 5        |          |          |
| <b>48615 KOTA BHARU</b>                  | 0610N    | 10210E    | 5         |           | 1009.0       | 1009.6         | 27.5        | -.5    | 29.0           | -1.5   | 16            | 283   | 184    | 6        |          |          |
| <b>48647 KUALA LUMPUR/SUBANG</b>         | 0307N    | 10130E    | 27        |           | 1007.1       | 1009.6         | 27.5        | .3     | 28.6           | -1.6   | 14            | 200   | 17     | 3        |          |          |
| <b>48657 KUANTAN</b>                     | 0347N    | 10310E    | 16        |           | 1007.8       | 1009.6         | 27.3        | .4     | 31.2           | .8     | 17            | 153   | -49    | 2        |          |          |
| <b>48665 MALACCA</b>                     | 0216N    | 10210E    | 9         |           | 1008.5       | 1009.5         | 27.7        | .6     | 29.7           | -1.2   | 14            | 151   | -21    | 2        |          |          |
| <b>SINGAPORE</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>48698 SINGAPORE/CHANGI AIRPORT</b>    | 0122N    | 10350E    | 16        |           | 1007.9       | 1009.7         | 28.1        | .6     | 32.3           | 1.4    | 12            | 206   | 48     | 4        | 156      | 87       |
| <b>USA (PACIFIC OCEAN NORTH)</b>         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>91165 LIHUE, KAUAL, HAWAII</b>        | 2159N    | 15920W    | 32        |           |              | 1018.3         | 24.0        | -3     | 20.6           |        | 6             | 34    | -46    | 2        |          |          |

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| STATION                                   | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>91182 HONOLULU, OAHU, HAWAII</b>       | 2121N    | 15750W    | 5         |           |              | 1017.5         | 24.0        | -1.3   | 19.4           |        | 2             | 29    | 1      | 4        |          |          |
| <b>91285 HILO/GEN. LYMAN, HAWAII, HAW</b> | 1943N    | 15500W    | 11        |           |              | 1017.7         | 22.3        | -1.0   | 20.6           |        | 20            | 572   | 321    | 5        |          |          |
| <b>91334 CHUUK, ECI</b>                   | 0727N    | 15150E    | 4         |           |              | 1010.1         | 27.7        | -.1    | 31.6           |        | 22            | 428   | 74     | 4        |          |          |
| <b>91348 POHNPEI, CAROLINE IS.</b>        | 0658N    | 15810E    | 38        |           |              | 1011.0         | 27.4        | .1     | 30.4           |        | 20            | 442   | -43    | 2        |          |          |
| <b>91366 KWAJALEIN/BUCHOLZ AAF, MARSH</b> | 0844N    | 16740E    | 8         |           |              | 1010.5         | 28.0        | .2     | 30.0           |        | 17            | 266   | 13     | 3        |          |          |
| <b>91376 MAJURO/MARSHALL IS. INTNL.</b>   | 0705N    | 17120E    | 3         |           |              | 1010.2         | 28.2        | .9     | 30.7           |        | 19            | 156   | -128   | 1        |          |          |
| <b>91408 KOROR, PALAU WCI.</b>            | 0720N    | 13420E    | 30        |           |              | 1009.8         | 28.2        | .2     | 30.7           |        | 20            | 263   | -41    | 2        |          |          |
| <b>91413 YAP, CAROLINE IS.</b>            | 0929N    | 13800E    | 16        |           |              | 1010.2         | 27.9        | .3     | 30.7           |        | 19            | 222   | -8     | 3        |          |          |
| <b>VANUATU</b>                            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91551 SOLA (VANUA LAVA)                   | 1351S    | 16730E    | 18        |           | 1009.0       | 1011.0         | 26.6        |        | 30.0           |        | 28            | 628   | 405    |          |          |          |
| 91554 PEKOA AIRPORT (SANTO)               | 1531S    | 16710E    | 44        |           | 1006.5       | 1011.3         | 26.9        |        | 28.1           |        | 19            | 380   | 157    |          |          |          |
| 91555 LAMAP (MALEKULA)                    | 1625S    | 16740E    | 26        |           | 1009.1       | 1011.8         | 26.2        |        | 27.6           |        | 13            | 125   | -98    |          |          |          |
| 91557 BAUERFIELD (EFATE)                  | 1742S    | 16810E    | 21        |           | 1010.2       | 1012.5         | 24.1        |        | 25.0           |        | 7             | 598   | 375    |          |          |          |
| 91565 WHITE GRASS AIRPORT                 | 1927S    | 16910E    | 8         |           | 1012.4       | 1012.7         | 22.9        |        | 22.0           |        | 6             | 90    | -133   |          |          |          |
| 91568 ANEITYUM                            | 2014S    | 16940E    | 7         |           | 1013.6       | 1014.2         | 22.7        |        | 20.7           |        | 9             | 132   | -91    |          |          |          |
| <b>NEW CALEDONIA</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>91577 KOUMAC (NLLE-CALEDONIE)</b>      | 2034S    | 16417E    | 24        |           | 1011.9       | 1014.0         | 22.7        | .1     | 21.6           |        | 7             | 175   | 115    | 5        | 144      | 73       |
| <b>91592 NOUMEA (NLLE-CALEDONIE)</b>      | 2217S    | 16627E    | 72        |           | 1006.7       | 1015.0         | 22.2        | .1     | 20.1           |        | 13            | 79    | -11    | 3        | 142      | 81       |
| <b>TUVALU</b>                             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>91643 FUNAFUTI</b>                     | 0831S    | 17910E    | 2         |           |              |                | 29.0        |        |                |        | 12            | 211   |        |          | 229      |          |
| <b>FIJI</b>                               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>91650 ROTUMA</b>                       | 1230S    | 17700E    | 26        |           |              | 1010.9         | 27.5        |        | 31.5           |        | 24            | 322   |        | 3        | 180      | 95       |
| <b>91680 NADI AIRPORT</b>                 | 1745S    | 17720E    | 18        |           |              | 1011.8         | 25.3        | .4     | 25.9           |        | 7             | 229   | 149    | 5        | 208      | 98       |
| 91683 NAUSORI                             | 1803S    | 17830E    | 7         |           |              | 1012.6         | 24.8        |        | 27.3           |        | 22            | 347   |        | 4        |          |          |
| <b>DETACHED ISLANDS</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91753 HIHIFO (ILE WALLIS)                 | 1314S    | 17611W    | 27        |           | 1007.5       | 1010.5         | 27.3        |        | 29.1           |        | 17            | 124   |        | 1        | 177      | 85       |
| <b>SAMOA AND AMERICAN SAMOA</b>           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>91765 PAGO PAGO/INT.AIRP.</b>          | 1420S    | 17040W    | 6         |           |              | 1011.0         | 28.9        |        | 31.3           |        | 17            | 195   |        | 2        |          |          |
| <b>FRENCH POLY. (MARQUESAS IS)</b>        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>91925 ATUONA</b>                       | 0949S    | 13902W    | 53        |           | 1005.6       | 1011.4         | 26.4        |        | 28.1           |        | 15            | 134   | -10    | 3        | 185      | 84       |
| <b>FRENCH POLY. (SOCIETY IS)</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>91938 TAHITI-FAAA</b>                  | 1733S    | 14937W    | 2         |           | 1012.1       | 1012.4         | 26.7        |        | 27.7           |        | 14            | 432   | 340    | 6        | 211      | 93       |

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| STATION                            | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                    |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>FRENCH POLY. (TUAMOTU IS)</b>   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91943 TAKAROA                      | 1429S    | 14502W    | 3         |           | 1012.0       | 1012.3         | 28.3        |        | 30.5           |        | 12            | 90    | 15     | 4        | 244      | 95       |
| 91945 HERETHERUE                   | 1954S    | 14557W    | 3         |           | 1013.0       | 1013.4         | 26.2        |        | 27.2           |        | 18            | 292   |        | 5        | 185      | 80       |
| 91948 RIKITEA                      | 2308S    | 13458W    | 91        |           | 1005.5       | 1015.7         | 23.4        |        | 22.9           |        | 8             | 246   | 111    | 5        | 151      | 87       |
| <b>FRENCH POLY. (AUSTRAL IS)</b>   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91954 TUBUAI                       | 2321S    | 14929W    | 3         |           | 1012.7       | 1013.0         | 23.5        |        | 24.1           |        | 13            | 154   | 17     | 3        | 162      | 95       |
| 91958 RAPA                         | 2737S    | 14420W    | 2         |           | 1013.3       | 1013.6         | 21.9        |        | 21.3           |        | 18            | 207   |        | 3        | 74       | 60       |
| <b>PAPUA NEW GUINEA</b>            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 92001 KIUNGA W.O.                  | 0605S    | 14110E    | 35        |           | 1004.8       | 1008.8         |             |        | 29.8           |        | 19            | 281   |        |          | 157      |          |
| 92004 WEWAK W.O.                   | 0335S    | 14340E    | 6         |           |              |                |             |        | 31.1           |        | 14            | 136   |        |          | 210      |          |
| 92014 MADANG W.O.                  | 0513S    | 14540E    | 5         |           | 1008.8       | 1009.4         |             |        | 31.1           |        | 12            | 198   |        | 2        | 194      | 90       |
| 92035 PORT MORESBY W.O.            | 0923S    | 14710E    | 48        |           | 1002.8       | 1008.6         |             |        | 29.3           |        | 11            | 88    |        |          | 177      |          |
| 92047 NADZAB W.O.                  | 0634S    | 14640E    | 70        |           | 1008.9       |                |             |        | 28.4           |        | 10            | 15    |        | 0        | 217      | 120      |
| 92076 KAVIENG W.O.                 | 0234S    | 15040E    | 4         |           | 1009.2       | 1009.7         |             |        | 31.3           |        | 21            | 348   |        |          | 205      |          |
| 92087 MISIMA W.O.                  | 1041S    | 15250E    | 7         |           | 1009.5       | 1010.3         |             |        | 32.1           |        | 20            | 360   |        |          | 144      |          |
| <b>NEW ZEALAND</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 93012 KAITAIA                      | 3506S    | 17310E    | 54        |           |              |                | 14.7        |        | 14.3           |        | 18            | 152   | 38     | 4        | 140      | 90       |
| 93292 GISBORNE AERODROME AWS       | 3839S    | 17750E    | 5         |           |              | 1014.4         | 12.6        | .6     | 11.8           |        | 11            | 76    | -12    | 3        |          |          |
| 93309 NEW PLYMOUTH AWS             | 3901S    | 17410E    | 32        |           |              | 1014.6         | 12.6        |        | 12.5           |        | 15            | 137   |        | 3        |          |          |
| 93417 PARAPARAUMU AERODROME        | 4054S    | 17450E    | 12        |           |              | 1014.2         | 11.3        | .1     | 12.4           |        | 11            | 101   | 6      | 4        | 122      | 90       |
| 93615 HOKITIKA AERODROME AWS       | 4243S    | 17050E    | 45        |           |              | 1013.9         | 10.4        |        | 10.7           |        | 15            | 238   |        | 3        |          |          |
| 93678 KAIKOURA                     | 4225S    | 17340E    | 105       |           |              | 1013.9         | 10.6        |        | 10.0           |        | 4             | 36    |        | 2        |          |          |
| 93780 CHRISTCHURCH                 | 4329S    | 17230E    | 38        |           |              | 1014.2         | 8.7         |        | 9.8            |        | 9             | 99    |        | 5        | 101      | 75       |
| 93844 INVERCARGILL AERODROME       | 4625S    | 16810E    | 4         |           |              | 1013.7         | 7.8         | .1     | 9.1            |        | 14            | 89    | -21    | 2        | 108      | 135      |
| 93947 CAMPBELL ISLAND AWS          | 5233S    | 16900E    | 19        |           |              | 1008.8         | 6.8         |        | 8.7            |        | 21            | 79    |        | 0        |          |          |
| 93987 CHATHAM ISLANDS AWS          | 4357S    | 17630W    | 49        |           |              | 1012.7         | 11.5        |        | 12.4           |        | 21            | 122   |        | 5        |          |          |
| 93994 RAOUL ISLAND, KERMADEC IS. A | 2915S    | 17750W    | 49        |           |              | 1016.6         | 19.3        |        | 16.3           |        | 12            | 57    |        | 1        |          |          |
| <b>AUSTRALIA</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 94120 DARWIN AIRPORT               | 1225S    | 13050E    | 35        |           | 1008.1       | 1012.1         | 25.3        |        | 18.3           |        | 1             | 23    | -6     | 4        | 337      | 115      |
| 94150 GOVE AIRPORT                 | 1217S    | 13640E    | 54        |           | 1005.1       | 1011.1         | 25.3        |        | 25.1           |        | 14            | 168   |        | 5        | 204      | 85       |
| 94170 WEIPA AERO                   | 1241S    | 14150E    | 19        |           | 1009.0       | 1011.1         | 25.6        |        | 26.6           |        | 10            | 138   |        |          | 211      |          |
| 94203 BROOME AIRPORT               | 1757S    | 12210E    | 17        |           | 1012.8       | 1013.8         | 23.4        |        | 15.2           |        | 0             | 0     | -24    | 1        | 295      |          |
| 94212 HALLS CREEK AIRPORT          | 1814S    | 12740E    | 424       |           | 967.1        | 1015.1         | 21.4        |        | 8.9            |        | 0             | 0     | -12    | 1        |          |          |
| 94238 TENNANT CREEK MET OFFICE     | 1938S    | 13410E    | 377       |           | 973.5        | 1016.6         | 19.2        |        | 8.2            |        | 0             | 0     | -8     | 1        | 308      | 104      |
| 94259 BURKETOWN POST OFFICE        | 1745S    | 13930E    | 8         |           | 1013.4       | 1014.2         |             |        | 14.0           |        | 0             | 0     |        | 4        |          |          |
| 94287 CAIRNS AERO                  | 1653S    | 14540E    | 8         |           | 1013.0       | 1013.9         | 23.8        |        | 22.5           |        | 7             | 48    | -59    | 2        | 153      | 78       |
| 94294 TOWNSVILLE AERO              | 1915S    | 14640E    | 9         |           | 1014.4       | 1015.4         | 22.6        |        | 20.0           |        | 6             | 28    | -12    | 3        | 167      | 74       |
| 94299 WILLIS ISLAND                | 1618S    | 14950E    | 9         |           | 1011.6       | 1012.6         | 25.8        |        | 27.2           |        |               |       |        |          |          |          |

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| STATION                                  | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|  |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>94300 CARNARVON AIRPORT</b>           | 2453S    | 11340E    | 8         |           | 1016.5       | 1017.4         | 20.6        |        | 13.9           |        | 3             | 13    | -21    | 2        |          |          |
| <b>94302 LEARMONTH AIRPORT</b>           | 2214S    | 11400E    | 6         |           | 1015.4       | 1016.0         | 22.0        |        | 14.3           |        | 5             | 51    | 9      | 4        |          |          |
| <b>94312 PORT HEDLAND AIRPORT</b>        | 2022S    | 11830E    | 10        |           | 1014.3       | 1015.3         | 23.2        |        | 12.5           |        | 0             | 0     | -26    | 1        |          |          |
| 94313 WITTENOOM                          | 2215S    | 11820E    | 464       |           | 963.6        | 1016.2         |             |        | 9.9            |        | 0             | 0     |        | 2        |          |          |
| 94317 NEWMAN AERO                        | 2325S    | 11940E    | 526       |           | 957.9        | 1017.7         | 17.9        |        | 7.4            |        | 0             | 0     |        | 2        |          |          |
| <b>94326 ALICE SPRINGS AIRPORT</b>       | 2348S    | 13350E    | 547       |           | 957.5        | 1020.9         | 13.7        |        | 7.1            |        | 1             | 5     | -13    | 3        | 305      | 116      |
| <b>94332 MOUNT ISA AERO</b>              | 2041S    | 13920E    | 342       |           | 977.1        | 1016.3         | 18.6        |        | 10.0           |        | 1             | 6     | -10    | 3        | 306      | 105      |
| 94339 WINTON POST OFFICE                 | 2223S    | 14300E    | 184       |           | 996.0        | 1017.3         | 17.4        |        | 10.6           |        | 3             | 22    |        | 3        |          |          |
| <b>94340 RICHMOND POST OFFICE</b>        | 2044S    | 14300E    | 214       |           | 990.9        | 1015.6         |             |        | 13.2           |        | 0             | 0     |        | 2        |          |          |
| <b>94346 LONGREACH AERO</b>              | 2326S    | 14410E    | 192       |           | 995.0        | 1017.5         | 17.7        |        | 8.8            |        | 1             | 11    | -20    | 3        |          |          |
| <b>94367 MACKAY MO</b>                   | 2107S    | 14910E    | 33        |           | 1012.1       | 1016.4         | 20.8        |        | 19.7           |        | 14            | 109   | -6     | 4        | 190      | 90       |
| 94374 ROCKHAMPTON AERO                   | 2323S    | 15020E    | 14        |           | 1015.6       | 1017.2         | 19.3        |        | 14.4           |        | 2             | 13    | -45    | 2        |          |          |
| <b>94380 GLADSTONE RADAR</b>             | 2351S    | 15110E    | 75        |           | 1008.8       | 1017.6         | 20.9        |        | 15.3           |        | 2             | 4     |        | 1        |          |          |
| <b>94403 GERALDTON AIRPORT</b>           | 2848S    | 11440E    | 37        |           | 1016.2       | 1020.4         | 18.4        |        | 11.4           |        | 3             | 10    | -65    | 1        |          |          |
| <b>94430 MEEKATHARRA AIRPORT</b>         | 2637S    | 11830E    | 522       |           | 960.2        | 1019.9         | 17.8        |        | 7.7            |        | 1             | 2     | -24    | 1        |          |          |
| <b>94461 GILES METEOROLOGICAL OFFICE</b> | 2502S    | 12810E    | 599       |           | 951.5        | 1020.2         | 16.4        |        | 6.0            |        | 0             | 0     | -17    | 1        | 313      | 122      |
| <b>94476 OODNADATTA AIRPORT</b>          | 2733S    | 13520E    | 118       |           | 1008.3       | 1022.2         | 14.8        |        | 7.0            |        | 01            | 1     |        | 2        |          |          |
| <b>94480 MARREE</b>                      | 2939S    | 13800E    | 51        |           | 1017.2       | 1023.3         |             |        | 8.9            |        | 0             | 0     |        | 1        |          |          |
| <b>94510 CHARLEVILLE AERO</b>            | 2625S    | 14610E    | 306       |           | 984.0        | 1019.7         | 15.0        |        | 7.1            |        | 1             | 2     | -39    | 1        |          |          |
| 94517 ST GEORGE AIRPORT                  | 2803S    | 14830E    | 200       |           | 996.4        | 1019.9         | 14.1        |        | 9.0            |        | 1             | 1     |        |          |          |          |
| 94568 AMBERLEY AMO                       | 2738S    | 15240E    | 31        |           | 1015.3       | 1019.0         | 15.2        |        | 10.6           |        | 1             | 10    | -87    | 1        |          |          |
| 94570 TEWANTIN RSL PARK                  | 2623S    | 15300E    | 7         |           | 1017.7       | 1018.5         | 17.9        |        | 15.0           |        | 7             | 131   |        |          |          |          |
| 94578 BRISBANE AERO                      | 2723S    | 15300E    | 10        |           | 1017.8       | 1018.9         | 17.2        |        | 12.9           |        | 2             | 10    | -87    | 1        | 281      |          |
| <b>94589 YAMBA PILOT STATION</b>         | 2926S    | 15320E    | 30        |           | 1015.3       | 1018.9         |             |        | 13.2           |        | 5             | 67    |        | 1        |          |          |
| <b>94601 CAPE LEEUWIN</b>                | 3422S    | 11500E    | 14        |           | 1020.9       | 1022.5         | 16.5        |        | 12.2           |        | 8             | 35    |        | 0        |          |          |
| 94602 ROTTNEST ISLAND                    | 3201S    | 11530E    | 43        |           | 1016.7       | 1021.8         | 17.6        |        | 12.7           |        | 7             | 18    |        | 0        |          |          |
| 94610 PERTH AIRPORT                      | 3156S    | 11550E    | 20        |           | 1020.0       | 1022.4         | 15.2        |        | 10.7           |        | 6             | 42    | -61    | 1        | 223      |          |
| <b>94637 KALGOORLIE-BOULDER AIRPORT</b>  | 3047S    | 12120E    | 370       |           | 979.5        | 1023.1         | 14.7        |        | 8.8            |        | 1             | 3     | -29    | 1        |          |          |
| <b>94638 ESPERANCE</b>                   | 3350S    | 12150E    | 27        |           | 1020.0       | 1023.3         | 14.7        |        | 12.1           |        | 9             | 46    | -34    | 2        |          |          |
| 94647 EUCLA                              | 3141S    | 12850E    | 102       |           | 1011.1       | 1023.3         | 14.1        |        | 11.4           |        | 4             | 13    |        | 1        |          |          |
| <b>94653 CEDUNA AMO</b>                  | 3208S    | 13340E    | 24        |           | 1021.3       | 1023.2         | 12.7        |        | 10.4           |        | 4             | 8     | -26    | 1        | 228      | 113      |
| 94659 WOOMERA AERODROME                  | 3109S    | 13640E    | 168       |           | 1002.9       | 1023.1         | 13.8        |        | 8.1            |        | 0             | 0     | -23    | 1        | 273      | 121      |
| 94672 ADELAIDE AIRPORT                   | 3457S    | 13830E    | 8         |           | 1021.9       | 1022.9         | 12.8        |        | 10.7           |        | 7             | 30    | -26    | 1        | 138      | 80       |
| 94681 NURIOOTPA VITICULTURAL             | 3429S    | 13900E    | 276       |           | 990.1        | 1023.2         | 9.8         |        | 9.5            |        | 6             | 47    | -8     | 1        |          |          |
| <b>94693 MILDURA AIRPORT</b>             | 3414S    | 14200E    | 53        |           | 1016.3       | 1022.7         | 11.4        |        | 9.0            |        | 2             | 7     | -20    | 1        | 230      | 145      |
| <b>94711 COBAR MO</b>                    | 3129S    | 14550E    | 264       |           | 989.9        | 1021.2         | 12.5        |        | 7.7            |        | 1             | 1     | -35    | 1        | 298      | 140      |
| 94750 NOWRA RAN AIR STATION AWS          | 3457S    | 15030E    | 122       |           | 1006.7       | 1019.3         | 12.8        |        | 10.0           |        | 6             | 39    | -47    | 1        |          |          |
| 94767 SYDNEY AIRPORT AMO                 | 3356S    | 15110E    | 6         |           | 1018.8       | 1019.4         | 15.2        |        | 11.3           |        | 7             | 27    | -61    | 1        | 222      | 124      |
| 94776 WILLIAMTOWN RAAF                   | 3248S    | 15150E    | 10        |           | 1018.6       | 1019.7         | 13.5        |        | 11.0           |        | 8             | 76    | -29    | 3        | 226      | 120      |
| 94791 COFFS HARBOUR MO                   | 3019S    | 15300E    | 6         |           | 1018.2       | 1019.0         | 14.9        |        | 12.2           |        | 4             | 59    | -117   | 2        | 265      | 132      |
| <b>94802 ALBANY AIRPORT</b>              | 3456S    | 11740E    | 71        |           | 1014.4       | 1022.7         | 13.3        |        | 12.0           |        | 8             | 60    | -43    | 2        | 184      |          |
| <b>94805 CAPE BORDA</b>                  | 3545S    | 13630E    | 144       |           | 1005.1       | 1022.3         | 13.1        |        | 11.6           |        | 12            | 74    |        | 3        |          |          |
| 94812 ROBE                               | 3710S    | 13940E    | 4         |           | 1021.7       | 1022.2         |             |        | 12.0           |        | 9             | 38    |        | 1        |          |          |
| 94814 STRATHALBYN RACECOURSE             | 3517S    | 13850E    | 58        |           | 1015.5       | 1022.6         | 11.9        |        | 10.4           |        | 8             | 45    |        | 1        |          |          |
| <b>94821 MOUNT GAMBIER AERO</b>          | 3744S    | 14040E    | 69        |           | 1013.3       | 1021.7         | 10.1        |        | 10.7           |        | 13            | 68    | 0      | 3        | 103      | 76       |
| 94826 CAPE NELSON LIGHTHOUSE             | 3826S    | 14130E    | 47        |           | 1015.3       | 1020.9         | 12.1        |        | 11.3           |        | 13            | 64    |        | 4        |          |          |

# SURFACE

# MAY 2006

| STATION                                 | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>94842 CAPE OTWAY LIGHTHOUSE</b>      | 3851S    | 14330E    | 83        |           | 1010.7       | 1020.7         | 11.8        |        | 10.7           |        | 15            | 91    |        | 3        |          |          |
| 94865 LAVERTON RAAF                     | 3752S    | 14440E    | 20        |           | 1018.8       | 1021.4         | 11.2        |        | 10.8           |        | 10            | 46    | -9     | 3        |          |          |
| 94866 MELBOURNE AIRPORT                 | 3740S    | 14450E    | 132       |           | 1006.9       | 1021.2         | 11.0        |        | 10.3           |        | 11            | 39    | -9     | 2        | 129      |          |
| 94893 WILSONS PROMONTORY LIGHTHOUS      | 3907S    | 14620E    | 97        |           | 1007.5       | 1019.2         | 12.4        |        | 11.0           |        | 13            | 150   |        | 4        |          |          |
| <b>94907 EAST SALE AIRPORT</b>          | 3806S    | 14700E    | 8         |           | 1019.4       | 1020.4         | 11.0        |        | 10.6           |        | 11            | 34    | -29    | 2        | 145      | 98       |
| <b>94910 WAGGA WAGGA AMO</b>            | 3510S    | 14720E    | 221       |           | 995.4        | 1021.0         | 9.6         |        | 8.2            |        | 1             | 4     | -56    | 0        | 221      | 135      |
| 94926 CANBERRA AIRPORT                  | 3518S    | 14910E    | 580       |           | 952.2        | 1020.6         | 8.8         |        | 8.0            |        | 3             | 10    | -34    | 1        | 212      | 127      |
| <b>94937 MORUYA HEADS PILOT STATION</b> | 3555S    | 15000E    | 17        |           | 1017.3       | 1019.3         |             |        | 10.9           |        | 7             | 160   |        | 5        |          |          |
| 94954 CAPE GRIM BAPS                    | 4040S    | 14440E    | 94        |           | 1007.9       | 1019.1         | 10.9        |        | 10.0           |        | 13            | 61    |        | 3        |          |          |
| <b>94967 CAPE BRUNY LIGHTHOUSE</b>      | 4330S    | 14700E    | 55        |           | 1009.3       | 1015.7         | 10.1        |        | 9.3            |        | 11            | 70    |        | 2        |          |          |
| 94968 LAUNCESTON AIRPORT COMPARISO      | 4132S    | 14710E    | 178       |           |              |                | 7.9         |        | 8.6            |        | 7             | 40    | -23    | 2        |          |          |
| 94975 HOBART AIRPORT                    | 4250S    | 14730E    | 27        |           | 1013.6       | 1016.9         | 9.9         |        | 8.0            |        | 6             | 22    | -18    | 2        | 140      | 105      |
| 94983 EDDYSTONE POINT                   | 4100S    | 14820E    | 21        |           | 1015.3       | 1017.9         | 11.4        |        | 10.4           |        | 10            | 42    |        | 1        |          |          |
| <b>AUSTRALIA (ADDITIONAL IS.)</b>       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>94995 LORD HOWE ISLAND AERO</b>      | 3132S    | 15900E    | 7         |           | 1016.7       | 1017.5         | 18.2        |        | 14.5           |        | 17            | 166   | 11     | 4        |          |          |
| <b>94996 NORFOLK ISLAND AERO</b>        | 2902S    | 16750E    | 117       |           | 1002.8       | 1016.6         | 18.3        |        | 15.7           |        | 12            | 130   | 9      | 4        | 203      | 112      |
| <b>94998 MACQUARIE ISLAND</b>           | 5430S    | 15850E    | 8         |           |              | 1001.0         | 5.5         |        | 8.0            |        | 22            | 95    | 21     | 5        | 53       | 171      |
| <b>AUSTRALIA</b>                        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 95322 RABBIT FLAT                       | 2011S    | 13000E    | 340       |           | 978.1        | 1017.2         | 18.1        |        | 9.4            |        | 0             | 0     |        |          |          |          |
| 95527 MOREE AERO                        | 2929S    | 14950E    | 218       |           | 994.1        | 1019.9         | 12.9        |        | 7.1            |        | 1             | 1     |        |          | 303      | 130      |
| <b>95646 FORREST</b>                    | 3050S    | 12800E    | 160       |           | 1004.5       | 1023.7         | 13.6        |        | 9.4            |        | 1             | 2     |        |          |          |          |
| 95670 RAYVILLE PARK                     | 3347S    | 13810E    | 109       |           | 1010.2       | 1023.4         | 11.1        |        | 9.7            |        | 6             | 29    |        | 0        |          |          |
| 95719 DUBBO AIRPORT AWS                 | 3213S    | 14830E    | 285       |           | 986.9        | 1020.7         | 10.6        |        | 7.6            |        | 01            | 1     |        |          |          |          |
| <b>95753 RICHMOND RAAF</b>              | 3336S    | 15040E    | 21        |           | 1017.2       | 1019.6         | 12.6        |        | 9.5            |        | 3             | 6     |        |          |          |          |
| 95869 DENILQUIN AIRPORT AWS             | 3534S    | 14450E    | 96        |           | 1010.0       | 1021.4         | 10.6        |        | 9.1            |        | 3             | 9     |        | 1        |          |          |
| 95916 CABRAMURRA SMHEA                  | 3556S    | 14820E    | 1483      |           |              |                | 3.9         |        | 7.0            |        | 6             | 52    |        |          |          |          |
| 95964 LOW HEAD                          | 4103S    | 14640E    | 4         |           | 1017.9       | 1018.3         | 11.1        |        | 10.0           |        | 7             | 33    |        |          |          |          |
| <b>INDONESIA</b>                        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 96001 SABANG/CUT BAU                    | 0552N    | 09519E    | 126       |           | 995.8        | 1010.2         | 27.2        |        | 29.3           |        | 11            | 0230  |        | 1        | 152      |          |
| 96035 MEDAN/POLONIA                     | 0334N    | 09841E    | 25        |           | 1009.7       | 1012.9         | 27.5        |        | 29.8           |        | 18            | 301   |        | 5        | 123      | 110      |
| <b>96073 SIBOLGA/PINANGSORI</b>         | 0133N    | 09853E    | 3         |           | 1008.8       | 1009.5         | 26.8        |        | 4.7            |        | 14            | 192   |        | 1        | 122      | 75       |
| <b>96163 PADANG/TABING</b>              | 0053S    | 10020E    | 3         |           |              | 1010.4         | 26.9        |        | 28.5           |        | 10            | 142   |        | 0        | 139      | 70       |
| 96171 RENGAT/JAPURA                     | 0020S    | 10210E    | 46        |           | 1006.5       | 1009.0         | 27.1        |        | 30.4           |        | 9             | 123   | 49     | 2        | 146      |          |
| 96295 TANJUNG KARANG/RADIN INTEN I      | 0506S    | 10510E    | 96        |           | 999.9        | 1010.2         | 27.1        |        | 22.8           |        | 7             | 39    |        |          | 330      |          |
| <b>BRUNEI DARUSSALAM</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 96315 BRUNEI AIRPORT                    | 0456N    | 11450E    | 22        |           | 1008.6       | 1010.5         | 27.7        |        | 30.6           | -7     | 13            | 270   | 42     | 5        | 225      | 95       |
| <b>MALAYSIA (SABAH AND SARAWAK)</b>     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>96413 KUCHING</b>                    | 0129N    | 11020E    | 27        |           | 1007.5       | 1010.1         | 26.5        |        | 29.9           |        | 23            | 230   |        | 3        |          |          |

# SURFACE

# MAY 2006

| STATION                                   | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|   |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 96421 SIBU                                | 0220N    | 11150E    | 31        |           | 1006.8       | 1010.3         | 26.5        |        | 29.8           |        | 24            | 273   |        | 4        |          |          |
| <b>96441 BINTULU</b>                      | 0312N    | 11300E    | 5         |           | 1007.1       | 1009.8         | 26.8        | -4     | 29.6           |        | 24            | 427   | 185    | 5        |          |          |
| 96449 MIRI                                | 0420N    | 11350E    | 18        |           | 1007.8       | 1009.7         | 27.4        | .1     | 29.8           |        | 21            | 377   | 194    | 6        |          |          |
| <b>96465 LABUAN</b>                       | 0518N    | 11510E    | 30        |           | 1006.3       | 1009.6         | 28.4        |        | 30.5           | -1.3   | 19            | 290   |        | 3        |          |          |
| 96471 KOTA KINABALU                       | 0556N    | 11600E    | 3         |           | 1009.7       | 1010.0         | 27.5        |        | 30.0           |        | 18            | 416   |        | 5        |          |          |
| 96481 TAWAU                               | 0416N    | 11750E    | 20        |           | 1007.9       | 1009.8         | 26.8        |        | 31.1           |        | 15            | 491   | 365    | 6        |          |          |
| <b>96491 SANDAKAN</b>                     | 0554N    | 11800E    | 13        |           | 1008.5       | 1009.7         | 28.2        | .5     | 30.3           |        | 10            | 90    |        | 2        |          |          |
| <b>INDONESIA</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 96509 TARAKAN/JUWATA                      | 0320N    | 11730E    | 6         |           | 1009.2       | 1010.2         | 27.5        |        | 30.9           |        | 21            | 369   |        |          | 180      |          |
| 96633 BALIKPAPAN/SEPINGGAN                | 0116S    | 11650E    | 3         |           | 1008.6       | 1009.4         | 27.5        |        | 31.0           |        | 17            | 245   |        | 4        | 100      | 75       |
| <b>96805 CILACAP</b>                      | 0744S    | 10900E    | 6         |           | 1009.1       | 1010.1         | 27.7        |        | 30.4           |        | 16            | 233   |        |          | 217      | 100      |
| <b>ISLANDS</b>                            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>96995 CHRISTMAS ISLAND AERO</b>        | 1027S    | 10540E    | 279       |           | 981.7        | 1011.1         | 24.9        |        | 27.9           |        | 10            | 132   |        | 2        |          |          |
| <b>96996 COCOS ISLAND AERO</b>            | 1211S    | 09650E    | 4         |           | 1011.5       | 1011.9         | 26.9        |        | 27.1           |        | 10            | 150   | -36    | 3        |          |          |
| <b>INDONESIA</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 97048 GORONTALO/JALALUDDIN                | 0031N    | 12300E    | 2         |           | 1006.4       | 1008.8         | 27.0        |        |                |        | 10            | 65    |        |          | 185      | 95       |
| 97072 PALU/MUTIARA                        | 0041S    | 11940E    | 6         |           |              | 1012.4         | 27.1        |        | 28.1           |        | 12            | 78    |        |          | 181      |          |
| 97180 UJUNG PANDANG/HASANUDDIN            | 0504S    | 11930E    | 14        |           | 1008.3       | 1010.1         | 27.4        |        | 30.2           |        | 15            | 145   |        |          | 178      | 80       |
| <b>97900 SAUMLAKI/OLILIT</b>              | 0759S    | 13110E    | 24        |           | 1011.1       | 1011.7         | 27.5        |        | 29.2           |        | 13            | 336   |        |          | 204      | 120      |
| <b>97980 MERAUKE/MOPAH</b>                | 0828S    | 14020E    | 3         |           |              |                | 27.2        |        | 29.6           |        | 10            | 222   |        | 5        | 157      | 75       |
| <b>PHILIPPINES</b>                        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 98223 LAOAG                               | 1811N    | 12030E    | 5         |           | 1009.3       | 1009.9         | 30.3        |        | 29.8           |        | 4             | 124   |        | 4        | 281      |          |
| 98325 DAGUPAN                             | 1603N    | 12020E    | 2         |           | 1008.0       | 1008.3         | 29.0        | -6     | 31.7           | 1.2    | 9             | 54    | -172   |          |          |          |
| 98328 BAGUIO                              | 1625N    | 12030E    | 1501      |           | 851.6        | 1008.4         | 19.7        |        | 20.6           |        | 20            | 266   |        |          | 187      |          |
| 98330 CABANATUAN                          | 1529N    | 12050E    | 32        |           | 1006.8       | 1010.0         | 29.8        |        | 33.6           |        | 6             | 98    |        |          |          |          |
| <b>98429 NINOY AQUINO INTERNATIONAL A</b> | 1431N    | 12100E    | 15        |           | 1007.3       | 1009.7         | 29.8        | .3     | 30.6           | 2.2    |               |       |        |          |          |          |
| 98430 SCIENCE GARDEN                      | 1438N    | 12100E    | 46        |           | 1004.7       | 1009.6         | 29.2        |        | 28.7           |        | 11            | 173   |        |          |          |          |
| <b>98444 LEGASPI</b>                      | 1308N    | 12340E    | 17        |           | 1008.1       | 1010.0         | 28.6        | .2     | 31.7           | .5     | 11            | 239   | 72     |          |          |          |
| 98550 TACLOBAN                            | 1115N    | 12500E    | 3         |           | 1008.8       | 1009.1         | 28.2        | .1     | 31.7           | 1.0    | 13            | 271   | 129    |          | 216      |          |
| <b>98637 ILOILO</b>                       | 1042N    | 12230E    | 8         |           | 1009.0       | 1009.7         | 28.8        | -3     | 31.7           | .9     | 7             | 386   | 269    |          |          |          |
| 98644 TAGBILARAN                          | 0936N    | 12350E    | 8         |           | 1008.7       | 1009.6         | 28.4        |        | 31.7           |        | 8             | 67    |        |          |          |          |
| 98646 MACTAN                              | 1018N    | 12350E    | 24        |           | 1007.4       | 1008.8         | 28.8        | -6     | 34.6           | 3.8    | 7             | 93    | 39     |          |          |          |
| <b>98653 SURIGAO</b>                      | 0948N    | 12530E    | 55        |           | 1005.5       | 1010.0         | 29.9        | 1.8    | 33.6           | 2.2    | 11            | 211   | 88     |          |          |          |
| 98755 HINATUAN                            | 0822N    | 12620E    | 3         |           | 1009.4       | 1009.8         | 28.2        |        | 31.7           |        | 18            | 154   |        |          |          |          |
| <b>98836 ZAMBOANGA</b>                    | 0654N    | 12200E    | 6         |           | 1009.2       | 1010.0         | 28.4        | .3     | 29.8           | -4     | 13            | 124   | 43     |          | 160      | 40       |



# SURFACE LATE REPORTS

| STATION  | LATITUDE                | LONGITUDE                  | ELEVATION      | DAYS OBS. | PRESSURE     |                | TEMPERATURE         |        | VAPOR PRESSURE      |        | PRECIPITATION |                |                  |             | SUNSHINE   |           |
|--|-------------------------|----------------------------|----------------|-----------|--------------|----------------|---------------------|--------|---------------------|--------|---------------|----------------|------------------|-------------|------------|-----------|
|  |                         |                            |                |           | MEAN STATION | MEAN SEA LEVEL | MEAN                | DEPART | MEAN                | DEPART | DAYS 1 MM     | TOTAL          | DEPART           | QUINTILE    | TOTAL      | % of AV.  |
| JANUARY 2004<br><b>EUROPE</b>  |                         |                            |                |           |              |                |                     |        |                     |        |               |                |                  |             |            |           |
| <b>ITALY</b><br>16110 TRIESTE<br>16522 CAPO CACCIA                           | 4539N<br>4034N          | 01345E<br>00810E           | 4<br>204       |           |              |                | 4.8<br>10.3         |        | 5.8<br>10.5         |        | 5<br>10       | 66<br>42       | -5<br>-22        | 2<br>3      | 105<br>101 | 109<br>80 |
| FEBRUARY 2004<br><b>EUROPE</b>   |                         |                            |                |           |              |                |                     |        |                     |        |               |                |                  |             |            |           |
| <b>ITALY</b><br>16110 TRIESTE  | 4539N                   | 01345E                     | 4              |           |              |                | 5.4                 |        | 6.6                 |        | 9             | 135            | 74               | 4           | 65         | 56        |
| MARCH 2004<br><b>EUROPE</b>  |                         |                            |                |           |              |                |                     |        |                     |        |               |                |                  |             |            |           |
| <b>ITALY</b><br>16110 TRIESTE<br>16325 MARINA DI GINOSA<br>16522 CAPO CACCIA | 4539N<br>4026N<br>4034N | 01345E<br>01653E<br>00810E | 4<br>12<br>204 |           |              |                | 8.2<br>11.2<br>10.8 |        | 7.1<br>10.3<br>11.0 |        | 5<br>7<br>4   | 56<br>64<br>21 | -20<br>21<br>-30 | 1<br>3<br>1 | 158<br>179 | 111<br>96 |
| APRIL 2004<br><b>EUROPE</b>  |                         |                            |                |           |              |                |                     |        |                     |        |               |                |                  |             |            |           |
| <b>ITALY</b><br>16110 TRIESTE  | 4539N                   | 01345E                     | 4              |           |              |                | 13.1                |        | 10.4                |        | 12            | 67             | -19              | 1           | 132        | 75        |
| MAY 2004<br><b>EUROPE</b>  |                         |                            |                |           |              |                |                     |        |                     |        |               |                |                  |             |            |           |

# SURFACE LATE REPORTS

| STATION   | LATITUDE                         | LONGITUDE                            | ELEVATION            | DAYS OBS. | PRESSURE     |                | TEMPERATURE                  |        | VAPOR PRESSURE       |        | PRECIPITATION    |                     |                       |                  | SUNSHINE          |            |
|---|----------------------------------|--------------------------------------|----------------------|-----------|--------------|----------------|------------------------------|--------|----------------------|--------|------------------|---------------------|-----------------------|------------------|-------------------|------------|
|   |                                  |                                      |                      |           | MEAN STATION | MEAN SEA LEVEL | MEAN                         | DEPART | MEAN                 | DEPART | DAYS 1 MM        | TOTAL               | DEPART                | QUINTILE         | TOTAL             | % of AV.   |
| <b>ITALY</b><br>16110 TRIESTE<br>JUNE 2004<br><b>EUROPE</b>   | 4539N                            | 01345E                               | 4                    |           |              |                | 16.5                         |        | 11.8                 |        | 14               | 111                 | 30                    | 3                | 241               | 107        |
| <b>ITALY</b><br>16110 TRIESTE<br>16325 MARINA DI GINOSA<br>JULY 2004<br><b>EUROPE</b>   | 4539N<br>4026N                   | 01345E<br>01653E                     | 4<br>12              |           |              |                | 21.6<br>22.4                 |        | 16.4<br>18.2         |        | 8<br>6           | 105<br>29           | 4<br>8                | 2<br>3           | 255               | 105        |
| <b>ITALY</b><br>16110 TRIESTE<br>16253 GRAZZANISE<br>16325 MARINA DI GINOSA<br>16522 CAPO CACCIA<br>MARCH 2006<br><b>ASIA</b> | 4539N<br>4103N<br>4026N<br>4034N | 01345E<br>01404E<br>01653E<br>00810E | 4<br>10<br>12<br>204 |           |              |                | 24.4<br>24.5<br>26.1<br>23.6 |        | 18.1<br>23.9<br>21.8 |        | 3<br>2<br>2<br>0 | 47<br>11<br>50<br>0 | -24<br>-7<br>35<br>-5 | 1<br>3<br>4<br>2 | 313<br>348<br>350 | 109<br>100 |
| <b>INDIA</b><br>42587 DALTONGANJ<br><b>S AMERICA</b>  | 2403N                            | 08404E                               | 221                  |           | 984.3        | 1010.5         | 25.7                         | 1.1    | 15.7                 |        | 5                | 40                  | 26                    | 5                |                   |            |

# SURFACE LATE REPORTS

| STATION                       | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|-------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                               |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| <b>BOLIVIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 85207 SAN IGNACIO DE VELASCO  | 1623S    | 06058W    | 413       |           | 963.8        | 1010.2         | 26.3        |        | 20.1           |        | 11            | 125   |        |          |          |          |
| 85268 ROBORE                  | 1819S    | 05946W    | 276       |           | 976.8        | 1011.5         | 27.3        |        | 20.1           |        | 13            | 133   |        |          |          |          |
| APRIL 2006                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>ASIA</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>INDIA</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 42587 DALTONGANJ              | 2403N    | 08404E    | 221       |           | 979.5        | 1004.7         | 31.9        | 1.7    | 18.2           |        | 3             | 10    | -10    |          |          |          |
| 43057 BOMBAY / COLABA         | 1854N    | 07249E    | 11        |           | 1007.5       | 1008.7         | 28.7        | .0     | 28.2           |        | 0             | 0     | -2     |          | 268      | 95       |
| 43063 PUNE                    | 1832N    | 07351E    | 559       |           | 946.2        | 1006.8         | 28.5        | -.3    | 14.9           |        | 0             | 0     | -11    |          | 307      | 102      |
| 43192 GOA/PANJIM              | 1529N    | 07349E    | 60        |           | 1002.0       | 1008.7         | 28.7        | -.6    | 29.1           |        | 0             | 0     | -5     |          | 268      | 93       |
| <b>AFRICA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>ETHIOPIA</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 63331 GONDAR                  | 1233N    | 03725E    | 1967      |           |              |                | 22.8        |        | 9.2            |        | 7             | 28    |        |          |          |          |
| <b>S AMERICA</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>BOLIVIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 85041 COBIJA                  | 1102S    | 06847W    | 235       |           | 981.8        | 1009.8         | 26.6        |        | 21.5           |        | 17            | 134   |        |          |          |          |
| 85043 RIBERALTA               | 1100S    | 06607W    | 141       |           | 991.7        | 1008.9         | 26.7        |        | 20.5           |        |               |       |        |          | 323      |          |
| 85104 SAN JOAQUIN             | 1304S    | 06449W    | 140       |           | 991.3        | 1007.2         | 27.8        |        | 21.6           |        | 10            | 235   |        |          |          |          |
| 85114 MAGDALENA               | 1320S    | 06407W    | 140       |           | 992.1        | 1008.1         | 28.0        |        | 21.8           |        | 10            | 228   |        |          |          |          |
| 85141 RURRENABAQUE            | 1428S    | 06734W    | 204       |           | 985.5        | 1008.4         | 25.9        |        | 20.2           |        | 9             | 177   |        |          |          |          |
| 85154 TRINIDAD                | 1449S    | 06455W    | 155       |           | 991.2        | 1008.7         | 27.4        |        | 20.9           |        | 12            | 113   |        |          |          |          |
| 85196 CONCEPCION              | 1609S    | 06201W    | 497       |           | 955.2        | 1011.9         | 23.7        |        | 17.4           |        | 8             | 185   |        |          |          |          |
| 85201 LA PAZ/ALTO             | 1631S    | 06811W    | 4058      |           | 633.0        |                | 9.3         |        | 5.9            |        | 13            | 106   |        |          |          |          |
| 85207 SAN IGNACIO DE VELASCO  | 1623S    | 06058W    | 413       |           | 952.3        | 1011.7         | 23.2        |        | 17.4           |        | 9             | 79    |        |          |          |          |
| 85230 CHARANA                 | 1735S    | 06936W    | 4054      |           |              |                | 10.6        |        | 5.9            |        | 16            | 90    |        |          |          |          |
| 85242 ORURO                   | 1758S    | 06704W    | 3072      |           | 655.2        |                | 12.7        |        | 6.0            |        | 9             | 61    |        |          |          |          |
| 85245 SANTA CRUZ/EL TROMPILLO | 1748S    | 06311W    | 418       |           | 960.8        | 1007.9         | 26.1        |        | 19.8           |        | 14            | 227   |        |          |          |          |
| 85247 SAN JOSE DE CHIQUITOS   | 1748S    | 06044W    | 284       |           | 979.8        | 1012.4         | 25.4        |        | 16.8           |        | 6             | 29    |        |          |          |          |
| 85283 SUCRE                   | 1901S    | 06518W    | 2904      |           | 720.3        |                | 15.9        |        | 9.4            |        | 11            | 74    |        |          |          |          |

# SURFACE LATE REPORTS

| STATION                               | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE     |                | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       |        |          | SUNSHINE |          |
|---------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
|                                       |          |           |           |           | MEAN STATION | MEAN SEA LEVEL | MEAN        | DEPART | MEAN           | DEPART | DAYS 1 MM     | TOTAL | DEPART | QUINTILE | TOTAL    | % of AV. |
| 85289 PUERTO SUAREZ                   | 1859S    | 05749W    | 134       |           | 984.9        | 1008.8         | 26.2        |        | 19.2           |        | 5             | 79    |        | 3        |          |          |
| 85315 CAMIRI                          | 2000S    | 06332W    | 798       |           | 921.0        | 1008.9         | 24.7        |        | 16.6           |        | 12            | 77    |        | 2        |          |          |
| 85365 YACUIBA                         | 2157S    | 06339W    | 645       |           | 941.1        | 1014.1         | 20.9        |        | 15.4           |        | 9             | 216   |        | 4        |          |          |
| <b>SW PACIFIC</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <br><b>MALAYSIA (PENIN. MALAYSIA)</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 48674 MERSING                         | 0227N    | 10350E    | 45        |           | 1004.0       | 1008.9         | 27.2        | .5     | 29.6           | -2     | 13            | 142   | 18     | 3        |          |          |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL | TEMPERATURE   |        |              | VECTOR WIND |                      |              | LEVEL      | TEMPERATURE |       |  | VECTOR WIND |              |       |                      |              |            |           |       |  |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-------------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION   | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o           | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   |  |
| <b>EUROPE - NORWAY</b><br><b>JAN MAYEN</b><br>01001 MAY 2006 7056N 00840W OB 3  |        |              |       |                      |              |            |           |       | <b>EUROPE - NORWAY</b><br><b>BJORNOYA</b><br>01028 MAY 2006 7431N 01901E OB 3       |        |              |             |                      |              |            |             |       | <b>EUROPE - NORWAY</b><br><b>BODO</b><br>01152 MAY 2006 6717N 01427E OB 3            |             |              |       |                      |              |            |           |       |  |
| 030   | 23987  | 0            | -49.1 | 33.9                 | 1            | 22         | 72        | 2     | 030   | 23967  | 1            | -48.8       | 33.9                 | 1            | 38         | 44          | 3     | 030  | 23957       | 0            | -50.7 | 33.4                 | 0            | 26         | 341       | 2     |  |
| 050   | 20646  | 0            | -49.5 | 33.9                 | 0            | 12         | 130       | 1     | 050   | 20620  | 0            | -49.7       | 33.6                 | 0            | 40         | 343         | 3     | 050  | 20635       | 0            | -51.4 | 33.2                 | 0            | 48         | 309       | 3     |  |
| 100   | 16110  | 0            | -49.0 | 34.1                 | 0            | 19         | 252       | 2     | 100   | 16084  | 0            | -49.0       | 33.8                 | 0            | 56         | 304         | 4     | 100  | 16124       | 0            | -50.0 | 33.6                 | 0            | 54         | 268       | 4     |  |
| 150   | 13443  | 0            | -47.1 | 34.7                 | 0            | 20         | 253       | 2     | 150   | 13418  | 0            | -47.8       | 34.1                 | 0            | 60         | 293         | 5     | 150  | 13464       | 0            | -48.1 | 34.1                 | 0            | 54         | 260       | 4     |  |
| 200   | 11536  | 0            | -46.9 | 33.9                 | 0            | 25         | 246       | 3     | 200   | 11517  | 0            | -47.8       | 32.9                 | 0            | 65         | 282         | 6     | 200  | 11573       | 0            | -49.8 | 29.8                 | 0            | 62         | 258       | 6     |  |
| 300   | 8885   | 0            | -51.4 | 12.0                 | 0            | 23         | 218       | 4     | 300   | 8876   | 0            | -52.0       | 11.2                 | 0            | 57         | 276         | 9     | 300  | 8951        | 0            | -52.4 | 9.5                  | 0            | 48         | 249       | 6     |  |
| 500   | 5415   | 0            | -28.2 | 10.2                 | 0            | 23         | 196       | 3     | 500   | 5411   | 0            | -28.7       | 10.5                 | 0            | 49         | 282         | 6     | 500  | 5467        | 0            | -26.6 | 11.3                 | 0            | 50         | 248       | 5     |  |
| 700   | 2922   | 0            | -12.7 | 8.7                  | 0            | 11         | 205       | 1     | 700   | 2924   | 0            | -13.1       | 10.6                 | 0            | 36         | 285         | 3     | 700  | 2952        | 0            | -9.8  | 10.1                 | 0            | 41         | 244       | 3     |  |
| 850   | 1419   | 0            | -5.8  | 5.8                  | 0            | 8          | 138       | 1     | 850   | 1424   | 0            | -6.0        | 6.2                  | 0            | 16         | 300         | 2     | 850  | 1428        | 0            | -.7   | 5.5                  | 0            | 40         | 234       | 3     |  |
| 1016  | * 9    |              | .8    | 2.5                  |              |            |           |       | 1014  | * 18   |              | 1.8         | 3.4                  |              |            |             |       |  | 1009        | * 33         |       | 8.7                  | 6.7          |            |           |       |  |
| <b>EUROPE - NORWAY</b><br><b>ORLAND III</b><br>01241 MAY 2006 6342N 00936E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - NORWAY</b><br><b>STAVANGER/SOLA</b><br>01415 MAY 2006 5852N 00540E OB 3 |        |              |             |                      |              |            |             |       | <b>EUROPE - SWEDEN</b><br><b>TIMRA/MIDLANDA</b><br>02365 MAY 2006 6231N 01727E OB 3  |             |              |       |                      |              |            |           |       |  |
| 030   | 23977  | 2            | -51.2 | 32.8                 | 2            | 9          | 21        | 1     | 030   | 23963  | 0            | -51.7       | 33.3                 | 0            | 16         | 292         | 1     | 030  | 24042       | 28           | -50.1 | 33.1                 | 9            | 88         | 89        | 4     |  |
| 050   | 20647  | 1            | -51.6 | 32.8                 | 1            | 41         | 260       | 2     | 050   | 20663  | 0            | -52.3       | 33.2                 | 0            | 25         | 216         | 2     | 050  | 20647       | 14           | -51.9 | 32.8                 | 9            | 49         | 288       | 3     |  |
| 100   | 16142  | 1            | -50.2 | 33.2                 | 1            | 55         | 247       | 4     | 100   | 16176  | 0            | -51.4       | 33.5                 | 0            | 56         | 245         | 5     | 100  | 16161       | 0            | -50.7 | 33.3                 | 0            | 52         | 263       | 4     |  |
| 150   | 13484  | 1            | -48.1 | 33.7                 | 1            | 64         | 252       | 6     | 150   | 13531  | 0            | -49.1       | 34.1                 | 0            | 59         | 247         | 7     | 150  | 13505       | 0            | -48.9 | 33.7                 | 0            | 61         | 261       | 5     |  |
| 200   | 11592  | 1            | -49.5 | 29.2                 | 1            | 66         | 248       | 7     | 200   | 11644  | 0            | -50.3       | 29.1                 | 0            | 60         | 252         | 9     | 200  | 11618       | 0            | -50.4 | 28.5                 | 0            | 61         | 271       | 6     |  |
| 300   | 8962   | 1            | -51.8 | 10.1                 | 1            | 56         | 218       | 8     | 300   | 9009   | 0            | -49.7       | 12.4                 | 0            | 54         | 250         | 11    | 300  | 8990        | 0            | -51.4 | 10.3                 | 0            | 37         | 275       | 5     |  |
| 500   | 5484   | 0            | -26.1 | 11.7                 | 0            | 59         | 212       | 6     | 500   | 5498   | 0            | -25.0       | 13.1                 | 0            | 51         | 227         | 7     | 500  | 5495        | 0            | -25.9 | 10.9                 | 0            | 31         | 284       | 3     |  |
| 700   | 2962   | 0            | -8.7  | 12.3                 | 0            | 47         | 219       | 4     | 700   | 2967   | 0            | -8.2        | 11.8                 | 0            | 52         | 214         | 5     | 700  | 2959        | 0            | -8.5  | 10.0                 | 1            | 18         | 262       | 2     |  |
| 850   | 1432   | 0            | .4    | 6.8                  | 0            | 34         | 232       | 3     | 850   | 1433   | 0            | 1.2         | 5.3                  | 0            | 46         | 177         | 5     | 850  | 1428        | 0            | .7    | 5.0                  | 1            | 10         | 265       | 1     |  |
| 1012  | * 10   |              | 9.8   | 6.5                  |              |            |           |       | 1008  | * 37   |              | 10.8        | 5.9                  |              |            |             |       |  | 1013        | * 8          |       | 7.5                  | 5.7          |            |           |       |  |
| <b>EUROPE - FINLAND</b><br><b>JYVASKYLA</b><br>02935 MAY 2006 6224N 02541E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - FINLAND</b><br><b>JOKIOINEN</b><br>02963 MAY 2006 6049N 02330E OB 3     |        |              |             |                      |              |            |             |       | <b>EUROPE - UNITED KINGDOM</b><br><b>LERWICK</b><br>03005 MAY 2006 6008N 00111W OB 3 |             |              |       |                      |              |            |           |       |  |
| 030   | 23960  | 17           | -51.3 | 32.5                 | 9            | 22         | 7         | 1     | 030   | 23968  | 7            | -52.0       | 33.2                 | 7            | 28         | 37          | 2     | 030  | 23962       | 1            | -51.1 | 33.1                 | 1            | 24         | 171       | 2     |  |
| 050   | 20658  | 0            | -52.1 | 32.3                 | 0            | 41         | 310       | 2     | 050   | 20652  | 0            | -52.7       | 32.9                 | 0            | 49         | 282         | 3     | 050  | 20651       | 0            | -51.6 | 32.6                 | 0            | 38         | 228       | 3     |  |
| 100   | 16161  | 0            | -50.6 | 32.9                 | 0            | 49         | 281       | 4     | 100   | 16164  | 0            | -51.0       | 33.4                 | 1            | 57         | 258         | 5     | 100  | 16156       | 0            | -50.8 | 32.7                 | 0            | 55         | 244       | 5     |  |
| 150   | 13507  | 0            | -48.7 | 33.5                 | 0            | 59         | 272       | 5     | 150   | 13515  | 0            | -49.1       | 33.9                 | 1            | 63         | 259         | 6     | 150  | 13501       | 0            | -48.6 | 33.0                 | 0            | 54         | 243       | 6     |  |
| 200   | 11618  | 0            | -49.7 | 29.4                 | 0            | 48         | 277       | 5     | 200   | 11635  | 0            | -50.5       | 28.5                 | 1            | 51         | 270         | 6     | 200  | 11607       | 0            | -48.8 | 29.8                 | 0            | 56         | 244       | 9     |  |
| 300   | 8987   | 0            | -50.9 | 10.8                 | 0            | 36         | 278       | 6     | 300   | 9006   | 0            | -50.1       | 13.0                 | 1            | 44         | 264         | 7     | 300  | 8963        | 0            | -49.5 | 13.3                 | 0            | 56         | 239       | 11    |  |
| 500   | 5491   | 0            | -26.0 | 11.5                 | 0            | 31         | 272       | 4     | 500   | 5504   | 0            | -25.6       | 12.3                 | 1            | 32         | 261         | 4     | 500  | 5458        | 0            | -25.9 | 10.9                 | 0            | 49         | 224       | 7     |  |
| 700   | 2969   | 0            | -9.1  | 8.9                  | 0            | 33         | 245       | 3     | 700   | 2977   | 0            | -8.5        | 9.7                  | 0            | 38         | 235         | 3     | 700  | 2939        | 0            | -9.2  | 11.7                 | 0            | 44         | 211       | 5     |  |
| 850   | 1440   | 0            | .9    | 5.2                  | 0            | 29         | 224       | 2     | 850   | 1445   | 0            | 1.2         | 4.9                  | 0            | 38         | 220         | 3     | 850  | 1412        | 0            | -.5   | 4.4                  | 0            | 30         | 183       | 3     |  |
| 996   | * 145  |              | 10.4  | 8.6                  |              |            |           |       | 1001  | * 104  |              | 10.1        | 6.9                  |              |            |             |       |  | 1001        | * 84         |       | 7.6                  | 3.6          |            |           |       |  |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL | TEMPERATURE   |        |              | VECTOR WIND |                      |              | LEVEL      | TEMPERATURE |       |  | VECTOR WIND |              |       |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-------------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION   | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o           | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   |
| <b>EUROPE - IRELAND</b><br>VALENTIA OBSERVATORY<br>03953 MAY 2006 5156N 01015W OB 3            |        |              |       |                      |              |            |           |       | <b>EUROPE - ICELAND</b><br>KEFLAVIKURFLUGVOLLUR<br>04018 MAY 2006 6358N 02236W OB 3       |        |              |             |                      |              |            |             |       | <b>EUROPE - GREENLAND</b><br>AASIAAT (EGEDESMINDE)<br>04220 MAY 2006 6842N 05251W OB 3 |             |              |       |                      |              |            |           |       |
| 030  | 23949  | 0            | -52.5 | 32.4                 | 0            | 10         | 185       | 1     | 030   | 23972  | 4            | -50.1       | 33.8                 | 4            | 29         | 135         | 2     | 030  | 23958       | 0            | -51.3 | 32.8                 | 1            | 51         | 60        | 4     |
| 050  | 20658  | 0            | -53.6 | 32.2                 | 0            | 51         | 246       | 4     | 050   | 20649  | 2            | -50.6       | 33.6                 | 2            | 22         | 192         | 1     | 050  | 20647       | 0            | -51.8 | 32.9                 | 1            | 55         | 24        | 3     |
| 100  | 16202  | 0            | -52.8 | 32.5                 | 0            | 68         | 252       | 9     | 100   | 16134  | 2            | -50.0       | 33.7                 | 2            | 28         | 268         | 2     | 100  | 16136       | 0            | -49.7 | 33.8                 | 0            | 46         | 315       | 3     |
| 150  | 13579  | 0            | -51.2 | 32.2                 | 0            | 72         | 254       | 13    | 150   | 13473  | 2            | -47.8       | 34.3                 | 2            | 23         | 289         | 2     | 150  | 13473       | 0            | -48.0 | 34.1                 | 0            | 53         | 280       | 3     |
| 200  | 11720  | 0            | -53.2 | 23.6                 | 0            | 70         | 257       | 17    | 200   | 11575  | 2            | -48.3       | 32.0                 | 2            | 37         | 300         | 4     | 200  | 11580       | 0            | -49.4 | 30.0                 | 0            | 54         | 267       | 5     |
| 300  | 9097   | 0            | -47.2 | 10.7                 | 0            | 57         | 254       | 18    | 300   | 8937   | 2            | -50.4       | 11.6                 | 2            | 39         | 327         | 6     | 300  | 8949        | 0            | -50.3 | 11.4                 | 0            | 43         | 246       | 8     |
| 500  | 5531   | 0            | -21.7 | 9.5                  | 0            | 60         | 248       | 13    | 500   | 5449   | 2            | -27.2       | 10.3                 | 2            | 38         | 352         | 4     | 500  | 5450        | 0            | -26.8 | 10.5                 | 0            | 37         | 227       | 4     |
| 700  | 2973   | 0            | -5.8  | 8.4                  | 0            | 60         | 242       | 9     | 700   | 2949   | 2            | -12.0       | 8.2                  | 2            | 25         | 27          | 2     | 700  | 2945        | 0            | -11.5 | 9.9                  | 0            | 39         | 200       | 3     |
| 850  | 1427   | 0            | 2.2   | 3.4                  | 0            | 50         | 228       | 6     | 850   | 1439   | 2            | -3.3        | 5.8                  | 2            | 37         | 63          | 3     | 850  | 1434        | 0            | -4.3  | 6.7                  | 0            | 50         | 196       | 3     |
| 1008   | * 30   |              | 10.9  | 2.8                  |              |            |           |       | 1012  | * 54   |              | 6.3         | 5.8                  |              |            |             |       | 1012   | * 43        |              | .7    | 2.4                  |              |            |           |       |
| <b>EUROPE - GREENLAND</b><br>NARSARSUAQ<br>04270 MAY 2006 6109N 04526W OB 3                    |        |              |       |                      |              |            |           |       | <b>EUROPE - DENMARK AND FAROE ISLANDS</b><br>TORSHAVN<br>06011 MAY 2006 6201N 00646W OB 3 |        |              |             |                      |              |            |             |       | <b>EUROPE - NETHERLANDS</b><br>DE BILT<br>06260 MAY 2006 5206N 00511E OB 1             |             |              |       |                      |              |            |           |       |
| 030  | 23925  | 0            | -51.7 | 33.3                 | 0            | 18         | 93        | 1     | 030   | 23976  | 0            | -50.5       | 33.4                 | 0            | 15         | 183         | 1     | 030  | 23981       | 20           | -53.0 | 31.1                 | 9            | 14         | 23        | 1     |
| 050  | 20620  | 0            | -52.5 | 33.0                 | 0            | 30         | 353       | 2     | 050   | 20653  | 0            | -51.3       | 33.2                 | 0            | 38         | 219         | 3     | 050  | 20691       | 11           | -54.1 | 30.8                 | 9            | 33         | 258       | 2     |
| 100  | 16136  | 0            | -51.3 | 33.4                 | 0            | 59         | 323       | 4     | 100   | 16146  | 0            | -50.3       | 33.5                 | 0            | 46         | 232         | 4     | 100  | 16242       | 7            | -53.5 | 31.2                 | 7            | 72         | 262       | 8     |
| 150  | 13489  | 0            | -49.2 | 34.0                 | 0            | 57         | 324       | 5     | 150   | 13486  | 0            | -47.7       | 34.2                 | 0            | 49         | 231         | 5     | 150  | 13625       | 5            | -52.0 | 31.3                 | 5            | 76         | 267       | 12    |
| 200  | 11604  | 0            | -50.3 | 29.0                 | 0            | 51         | 325       | 6     | 200   | 11588  | 0            | -47.4       | 32.2                 | 0            | 50         | 242         | 7     | 200  | 11768       | 5            | -54.3 | 21.9                 | 5            | 78         | 268       | 18    |
| 300  | 8977   | 0            | -50.0 | 12.7                 | 0            | 34         | 352       | 6     | 300   | 8932   | 0            | -49.8       | 13.2                 | 0            | 45         | 238         | 8     | 300  | 9152        | 4            | -47.6 | 10.3                 | 4            | 76         | 266       | 21    |
| 500  | 5471   | 0            | -26.0 | 13.4                 | 0            | 22         | 6         | 2     | 500   | 5439   | 0            | -26.9       | 11.0                 | 0            | 36         | 217         | 4     | 500  | 5586        | 2            | -21.3 | 11.8                 | 2            | 70         | 259       | 12    |
| 700  | 2955   | 0            | -10.0 | 12.7                 | 0            | 19         | 69        | 2     | 700   | 2930   | 0            | -10.6       | 11.2                 | 0            | 23         | 196         | 2     | 700  | 3019        | 2            | -4.8  | 11.1                 | 2            | 62         | 248       | 9     |
| 850  | 1435   | 0            | -2.0  | 6.9                  | 0            | 54         | 86        | 2     | 850   | 1412   | 0            | -2.4        | 5.7                  | 0            | 23         | 91          | 3     | 850  | 1464        | 2            | 4.5   | 4.5                  | 2            | 58         | 242       | 7     |
| 1015   | * 5    |              | 6.2   | 6.5                  |              |            |           |       | 1006  | * 61   |              | 6.4         | 3.9                  |              |            |             |       | 1013   | * 4         |              | 14.5  | 5.8                  |              |            |           |       |
| <b>EUROPE - SWITZERLAND &amp; LIECHTENSTEIN</b><br>PAYERNE<br>06610 MAY 2006 4649N 00657E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - FRANCE</b><br>NANCY-ESSEY<br>07180 MAY 2006 4841N 00613E OB 3                 |        |              |             |                      |              |            |             |       | <b>EUROPE - FRANCE</b><br>BORDEAUX MERIGNAC<br>07510 MAY 2006 4450N 00041W OB 3        |             |              |       |                      |              |            |           |       |
| 030  | 23942  | 0            | -54.2 |                      | 0            | 23         | 63        | 1     | 030   |        |              |             |                      |              |            |             |       | 030  | 23969       | 1            | -54.0 | 32.6                 | 1            | 13         | 85        | 1     |
| 050  | 20686  | 0            | -56.3 |                      | 0            | 37         | 284       | 2     | 050   | 20701  | 4            | -55.6       |                      | 4            | 40         | 284         | 2     | 050  | 20715       | 1            | -56.8 | 31.6                 | 1            | 34         | 273       | 2     |
| 100  | 16290  | 0            | -56.5 |                      | 0            | 87         | 274       | 10    | 100   | 16276  | 0            | -55.3       |                      | 0            | 86         | 271         | 9     | 100  | 16333       | 1            | -57.2 | 31.4                 | 1            | 82         | 266       | 10    |
| 150  | 13712  | 0            | -55.7 |                      | 0            | 89         | 273       | 15    | 150   | 13681  | 0            | -54.3       |                      | 0            | 85         | 275         | 14    | 150  | 13763       | 1            | -56.6 | 27.2                 | 1            | 87         | 268       | 16    |
| 200  | 11892  | 0            | -58.1 | 8.4                  | 0            | 85         | 273       | 21    | 200   | 11848  | 0            | -56.3       |                      | 0            | 86         | 273         | 22    | 200  | 11954       | 1            | -59.0 | 12.5                 | 1            | 77         | 267       | 21    |
| 300  | 9280   | 0            | -45.1 | 8.5                  | 0            | 77         | 271       | 20    | 300   | 9231   | 0            | -45.7       |                      | 0            | 79         | 273         | 21    | 300  | 9343        | 1            | -43.7 | 9.6                  | 1            | 76         | 266       | 20    |
| 500  | 5668   | 0            | -18.3 | 8.9                  | 0            | 72         | 269       | 12    | 500   | 5645   | 1            | -19.3       | 12.1                 | 0            | 72         | 265         | 12    | 500  | 5703        | 1            | -16.7 | 14.9                 | 1            | 80         | 263       | 14    |
| 700  | 3077   | 0            | -3.0  | 6.1                  | 0            | 75         | 253       | 8     | 700   | 3057   | 0            | -3.8        | 8.5                  | 0            | 65         | 255         | 8     | 700  | 3098        | 1            | -.9   | 14.3                 | 1            | 80         | 263       | 9     |
| 850  | 1510   | 0            | 7.1   | 6.2                  | 0            | 78         | 237       | 6     | 850   | 1495   | 0            | 6.3         | 3.6                  | 2            | 62         | 250         | 7     | 850  | 1520        | 1            | 8.5   | 9.0                  | 1            | 65         | 257       | 5     |
| 961  | * 491  |              | 13.7  | 5.3                  |              |            |           |       | 992   | * 212  |              | 12.4        | 2.7                  |              |            |             |       | 1013   | * 61        |              | 13.5  | 3.8                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL | TEMPERATURE   |        |              | VECTOR WIND |                      |              | LEVEL      | TEMPERATURE |       |   | VECTOR WIND |              |       |                      |              |            |           |       |     |     |   |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-------------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|-----|-----|---|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION   | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |     |   |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o           | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   |     |     |   |
| <b>EUROPE - FRANCE</b><br>NIMES-COURBESSAC<br>07645 MAY 2006 4352N 00424E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - FRANCE</b><br>AJACCIO<br>07761 MAY 2006 4155N 00848E OB 3       |        |              |             |                      |              |            |             |       | <b>EUROPE - SPAIN</b><br>LA CORUNA<br>08001 MAY 2006 4322N 00825W OB 3    |             |              |       |                      |              |            |           |       |     |     |   |
| 030  | 23970  | 1            | -53.6 |                      | 4            | 30         | 125       | 2     | 030   |        |              |             |                      |              |            |             |       |   | 030         | 23979        | 18    | -53.7                | 32.6         | 9          | 49        | 104   | 2   |     |   |
| 050  | 20718  | 0            | -56.9 |                      | 3            | 20         | 275       | 1     | 050   | 20716  | 1            | -57.4       |                      |              |            |             | 9     | 47  | 323         | 4            | 050   | 20724                | 10           | -56.8      | 31.6      | 9     | 49  | 252 | 2 |
| 100  | 16339  | 0            | -57.7 |                      | 3            | 91         | 281       | 10    | 100   | 16353  | 2            | -58.4       |                      |              |            | 9           | 72    | 267   | 9           | 100          | 16341 | 7                    | -57.6        | 30.9       | 9         | 77    | 263 | 5   |   |
| 150  | 13779  | 0            | -57.7 |                      | 2            | 89         | 276       | 17    | 150   | 13817  | 2            | -58.7       |                      |              | 9          | 68          | 282   | 11  | 150         | 13767        | 5     | -55.9                | 27.7         | 9          | 81        | 260   | 8   |     |   |
| 200  | 11979  | 0            | -59.4 |                      | 2            | 83         | 267       | 20    | 200   | 12018  | 0            | -60.9       |                      |              | 8          | 74          | 273   | 16  | 200         | 11955        | 4     | -58.4                | 14.5         | 9          | 75        | 258   | 10  |     |   |
| 300  | 9359   | 0            | -43.0 |                      | 1            | 85         | 268       | 21    | 300   | 9406   | 0            | -42.7       |                      |              | 3          | 57          | 265   | 13  | 300         | 9340         | 3     | -43.5                | 12.8         | 9          | 74        | 256   | 10  |     |   |
| 500  | 5715   | 0            | -16.1 | 14.8                 | 1            | 84         | 275       | 16    | 500   | 5746   | 0            | -14.3       | 16.9                 |              | 1          | 79          | 275   | 13  | 500         | 5703         | 1     | -16.5                | 15.4         | 8          | 77        | 251   | 7   |     |   |
| 700  | 3101   | 0            | -.1   | 13.1                 | 1            | 64         | 275       | 8     | 700   | 3113   | 0            | 1.7         | 18.8                 |              | 2          | 88          | 288   | 11  | 700         | 3092         | 0     | -.3                  | 17.3         | 9          | 68        | 247   | 5   |     |   |
| 850  | 1520   | 0            | 8.8   | 8.6                  | 1            | 28         | 275       | 3     | 850   | 1522   | 0            | 11.0        | 12.6                 |              | 1          | 67          | 278   | 4   | 850         | 1513         | 0     | 8.1                  | 11.6         | 9          | 41        | 233   | 2   |     |   |
| 1011   | * 62   |              |       |                      |              |            |           |       | 1017  | * 9    |              | 21.5        | 7.8                  |              |            |             |       |   | 1011        | * 67         |       | 16.3                 | 5.3          |            |           |       |     |     |   |
| <b>EUROPE - SPAIN</b><br>SANTANDER<br>08023 MAY 2006 4329N 00348W OB 3         |        |              |       |                      |              |            |           |       | <b>EUROPE - SPAIN</b><br>MADRID/BARAJAS<br>08221 MAY 2006 4030N 00335W OB 3 |        |              |             |                      |              |            |             |       | <b>EUROPE - SPAIN</b><br>MURCIA<br>08430 MAY 2006 3800N 00110W OB 3       |             |              |       |                      |              |            |           |       |     |     |   |
| 030  | 23991  | 10           | -54.7 |                      | 9            | 6          | 159       | 0     | 030   | 23951  | 4            | -54.3       | 32.5                 |              | 4          | 36          | 89    | 2   | 030         | 23944        | 17    | -54.2                | 32.5         | 9          | 51        | 114   | 2   |     |   |
| 050  | 20741  | 7            | -57.3 |                      | 7            | 60         | 251       | 2     | 050   | 20709  | 4            | -58.1       | 31.4                 |              | 5          | 22          | 239   | 1   | 050         | 20709        | 12    | -59.3                | 31.0         | 9          | 13        | 283   | 1   |     |   |
| 100  | 16361  | 4            | -57.8 |                      | 5            | 83         | 269       | 6     | 100   | 16361  | 3            | -59.3       | 30.5                 |              | 3          | 91          | 267   | 12  | 100         | 16396        | 11    | -60.4                | 30.6         | 9          | 91        | 265   | 6   |     |   |
| 150  | 13792  | 1            | -57.2 |                      | 3            | 89         | 265       | 9     | 150   | 13810  | 3            | -58.3       | 26.2                 |              | 3          | 88          | 263   | 16  | 150         | 13857        | 10    | -59.6                | 23.1         | 9          | 89        | 267   | 8   |     |   |
| 200  | 11987  | 1            | -59.3 |                      | 1            | 84         | 260       | 11    | 200   | 12017  | 2            | -60.4       | 10.6                 |              | 2          | 81          | 263   | 19  | 200         | 12070        | 6     | -60.3                | 10.5         | 6          | 78        | 260   | 8   |     |   |
| 300  | 9365   | 0            | -43.5 | 11.4                 | 0            | 80         | 257       | 10    | 300   | 9404   | 2            | -42.8       | 11.3                 |              | 2          | 76          | 257   | 16  | 300         | 9455         | 4     | -42.0                | 10.5         | 4          | 64        | 248   | 6   |     |   |
| 500  | 5721   | 0            | -16.2 | 15.5                 | 0            | 85         | 256       | 7     | 500   | 5747   | 2            | -14.8       | 15.0                 |              | 2          | 82          | 254   | 13  | 500         | 5789         | 2     | -14.1                | 13.9         | 2          | 65        | 257   | 5   |     |   |
| 700  | 3106   | 0            | .0    | 15.9                 | 0            | 77         | 255       | 4     | 700   | 3118   | 2            | 1.8         | 14.0                 |              | 2          | 72          | 238   | 7   | 700         | 3147         | 1     | 4.0                  | 12.6         | 1          | 52        | 246   | 3   |     |   |
| 850  | 1524   | 0            | 9.0   | 8.4                  | 0            | 55         | 236       | 2     | 850   | 1521   | 2            | 12.7        | 10.8                 |              | 2          | 44          | 211   | 2   | 850         | 1536         | 1     | 14.1                 | 12.1         | 1          | 15        | 125   | 1   |     |   |
| 1012   | * 59   |              | 15.7  | 4.2                  |              |            |           |       | 944   | * 633  |              | 20.2        | 15.2                 |              |            |             |       |   | 1010        | * 62         |       | 21.6                 | 7.9          |            |           |       |     |     |   |
| <b>EUROPE - GIBRALTAR</b><br>GIBRALTAR<br>08495 MAY 2006 3609N 00521W OB 3     |        |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY</b><br>SCHLESWIG<br>10035 MAY 2006 5432N 00933E OB 3    |        |              |             |                      |              |            |             |       | <b>EUROPE - GERMANY</b><br>GREIFSWALD<br>10184 MAY 2006 5406N 01324E OB 3 |             |              |       |                      |              |            |           |       |     |     |   |
| 030  | 23945  | 0            | -54.5 | 32.4                 | 0            | 60         | 110       | 3     | 030   | 23965  | 0            | -52.9       | 33.0                 |              | 0          | 15          | 95    | 1   | 030         | 23963        | 0     | -53.3                | 32.7         | 0          | 10        | 50    | 1   |     |   |
| 050  | 20719  | 0            | -60.0 | 30.9                 | 0            | 12         | 93        | 1     | 050   | 20677  | 0            | -53.7       | 32.7                 |              | 0          | 37          | 251   | 2   | 050         | 20678        | 0     | -53.7                | 32.5         | 0          | 37        | 263   | 2   |     |   |
| 100  | 16419  | 0            | -61.4 | 30.4                 | 0            | 91         | 263       | 10    | 100   | 16213  | 0            | -52.6       | 33.1                 |              | 0          | 59          | 266   | 6   | 100         | 16214        | 0     | -52.9                | 32.8         | 0          | 57        | 260   | 6   |     |   |
| 150  | 13889  | 0            | -59.2 | 25.8                 | 0            | 87         | 265       | 15    | 150   | 13584  | 0            | -50.8       | 33.5                 |              | 0          | 64          | 269   | 9   | 150         | 13586        | 0     | -51.1                | 33.1         | 0          | 61        | 273   | 9   |     |   |
| 200  | 12091  | 0            | -59.0 | 13.3                 | 0            | 73         | 261       | 13    | 200   | 11713  | 0            | -52.2       | 26.6                 |              | 0          | 72          | 269   | 13  | 200         | 11722        | 0     | -52.9                | 25.5         | 0          | 65        | 274   | 13  |     |   |
| 300  | 9462   | 0            | -41.9 | 12.3                 | 0            | 57         | 250       | 9     | 300   | 9090   | 0            | -49.1       | 11.6                 |              | 0          | 66          | 268   | 16  | 300         | 9101         | 0     | -49.1                | 10.7         | 0          | 59        | 272   | 15  |     |   |
| 500  | 5793   | 0            | -13.7 | 18.3                 | 0            | 71         | 242       | 9     | 500   | 5554   | 0            | -23.3       | 12.4                 |              | 0          | 60          | 263   | 9   | 500         | 5560         | 0     | -22.9                | 13.5         | 0          | 53        | 265   | 9   |     |   |
| 700  | 3144   | 0            | 5.3   | 20.4                 | 0            | 62         | 230       | 6     | 700   | 3003   | 0            | -6.3        | 12.4                 |              | 0          | 56          | 253   | 7   | 700         | 3009         | 0     | -6.3                 | 12.2         | 0          | 60        | 260   | 7   |     |   |
| 850  | 1530   | 0            | 14.5  | 14.2                 | 0            | 29         | 137       | 2     | 850   | 1459   | 0            | 3.1         | 5.5                  |              | 0          | 46          | 239   | 5   | 850         | 1461         | 0     | 3.3                  | 6.7          | 0          | 48        | 253   | 5   |     |   |
| 1017   | * 4    |              | 19.8  | 5.4                  |              |            |           |       | 1009  | * 48   |              | 12.0        | 5.5                  |              |            |             |       |   | 1014        | * 6          |       | 12.0                 | 4.8          |            |           |       |     |     |   |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |  |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|--|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |  |
| <b>EUROPE - GERMANY<br/>EMDEN-FLUGPLATZ</b><br>10200 MAY 2006 5323N 00714E OB             |        |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY<br/>BERGEN</b><br>10238 MAY 2006 5249N 00956E OB            |             |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY<br/>LINDENBERG</b><br>10393 MAY 2006 5213N 01407E OB 3              |        |              |             |                      |              |            |           |       |  |
| 030   | 23961  | 0            | -52.9 | 32.5                 | 0            | 13         | 37        | 1     | 030   | 23965       | 0            | -53.1 | 32.9                 | 0            | 19         | 63        | 1     | 030   | 23961  | 0            | -53.5       | 32.2                 | 0            | 13         | 71        | 1     |  |
| 050   | 20676  | 0            | -54.0 | 32.1                 | 0            | 38         | 256       | 3     | 050   | 20682       | 0            | -54.3 | 32.6                 | 0            | 43         | 256       | 2     | 050   | 20682  | 0            | -54.3       | 32.0                 | 0            | 40         | 265       | 2     |  |
| 100   | 16219  | 0            | -53.1 | 32.4                 | 0            | 62         | 262       | 7     | 100   | 16229       | 0            | -53.1 | 32.8                 | 0            | 61         | 265       | 7     | 100   | 16228  | 0            | -53.4       | 32.2                 | 0            | 67         | 269       | 7     |  |
| 150   | 13596  | 0            | -51.4 | 32.6                 | 0            | 72         | 269       | 11    | 150   | 13607       | 0            | -51.2 | 33.2                 | 0            | 72         | 271       | 10    | 150   | 13612  | 0            | -52.1       | 32.2                 | 0            | 73         | 276       | 11    |  |
| 200   | 11733  | 0            | -53.0 | 24.4                 | 0            | 78         | 272       | 16    | 200   | 11743       | 0            | -53.1 | 25.4                 | 0            | 76         | 272       | 16    | 200   | 11753  | 0            | -53.5       | 23.7                 | 0            | 71         | 276       | 16    |  |
| 300   | 9114   | 0            | -48.6 | 10.5                 | 0            | 74         | 271       | 19    | 300   | 9124        | 0            | -48.4 | 12.0                 | 0            | 70         | 273       | 19    | 300   | 9136   | 0            | -48.3       | 11.4                 | 0            | 66         | 274       | 18    |  |
| 500   | 5566   | 0            | -22.7 | 13.4                 | 0            | 67         | 263       | 11    | 500   | 5576        | 0            | -22.6 | 13.8                 | 0            | 63         | 263       | 11    | 500   | 5584   | 0            | -22.4       | 13.3                 | 0            | 56         | 272       | 9     |  |
| 700   | 3010   | 0            | -5.8  | 11.1                 | 0            | 56         | 248       | 7     | 700   | 3021        | 0            | -5.7  | 11.9                 | 0            | 57         | 260       | 7     | 700   | 3028   | 0            | -5.8        | 11.0                 | 0            | 52         | 266       | 6     |  |
| 850   | 1461   | 0            | 3.8   | 5.8                  | 0            | 49         | 234       | 6     | 850   | 1472        | 0            | 3.9   | 5.7                  | 0            | 47         | 242       | 5     | 850   | 1477   | 0            | 4.3         | 5.8                  | 0            | 48         | 258       | 5     |  |
| 1014  | * 5    |              | 13.4  | 5.5                  |              |            |           |       | 1007  | * 77        |              | 13.5  | 7.1                  |              |            |           |       |   | 1002   | * 115        |             | 14.7                 | 8.8          |            |           |       |  |
| <b>EUROPE - GERMANY<br/>ESSEN-BREDENEY</b><br>10410 MAY 2006 5124N 00658E OB 3            |        |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY<br/>MEININGEN</b><br>10548 MAY 2006 5034N 01023E OB 3       |             |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY<br/>STUTTGART/SCHNARRENBERG</b><br>10739 MAY 2006 4850N 00912E OB 3 |        |              |             |                      |              |            |           |       |  |
| 030   | 23961  | 0            | -53.2 | 32.8                 | 0            | 18         | 57        | 1     | 030   | 23958       | 0            | -53.2 | 32.9                 | 0            | 15         | 109       | 1     | 030   | 23955  | 1            | -53.7       | 32.2                 | 1            | 20         | 74        | 1     |  |
| 050   | 20686  | 0            | -54.8 | 32.3                 | 0            | 41         | 270       | 3     | 050   | 20687       | 0            | -55.0 | 32.2                 | 0            | 40         | 272       | 2     | 050   | 20689  | 1            | -55.5       | 31.7                 | 1            | 47         | 277       | 2     |  |
| 100   | 16243  | 0            | -53.8 | 32.6                 | 0            | 73         | 269       | 9     | 100   | 16249       | 0            | -54.0 | 32.5                 | 0            | 74         | 275       | 8     | 100   | 16270  | 0            | -55.1       | 31.7                 | 1            | 81         | 282       | 9     |  |
| 150   | 13630  | 0            | -52.5 | 32.8                 | 0            | 79         | 274       | 12    | 150   | 13640       | 0            | -53.0 | 32.6                 | 0            | 79         | 274       | 13    | 150   | 13672  | 0            | -54.2       | 30.9                 | 0            | 84         | 279       | 14    |  |
| 200   | 11776  | 0            | -55.0 | 22.1                 | 0            | 82         | 273       | 20    | 200   | 11793       | 0            | -55.1 | 23.5                 | 0            | 80         | 278       | 19    | 200   | 11838  | 0            | -57.4       | 17.4                 | 0            | 84         | 279       | 21    |  |
| 300   | 9164   | 0            | -47.5 | 10.4                 | 0            | 76         | 272       | 21    | 300   | 9180        | 0            | -47.2 | 11.5                 | 0            | 73         | 280       | 21    | 300   | 9231   | 0            | -46.1       | 11.0                 | 0            | 79         | 278       | 20    |  |
| 500   | 5594   | 0            | -21.2 | 13.1                 | 0            | 71         | 267       | 12    | 500   | 5607        | 0            | -21.0 | 14.3                 | 0            | 69         | 272       | 12    | 500   | 5639   | 0            | -19.8       | 12.7                 | 0            | 75         | 273       | 12    |  |
| 700   | 3028   | 0            | -4.8  | 10.5                 | 0            | 64         | 255       | 8     | 700   | 3039        | 0            | -4.8  | 10.5                 | 0            | 56         | 261       | 7     | 700   | 3060   | 0            | -3.8        | 12.5                 | 0            | 63         | 265       | 8     |  |
| 850   | 1473   | 0            | 5.0   | 5.5                  | 0            | 62         | 244       | 7     | 850   | 1484        | 0            | 5.2   | 5.3                  | 0            | 48         | 245       | 5     | 850   | 1498   | 0            | 6.2         | 5.6                  | 0            | 53         | 256       | 5     |  |
| 997   | * 153  |              | 14.0  | 5.8                  |              |            |           |       | 963   | * 453       |              | 12.7  | 7.2                  |              |            |           |       |   | 979    | * 315        |             | 14.9                 | 8.1          |            |           |       |  |
| <b>EUROPE - GERMANY<br/>MUENCHEN-OBERSCHLEIBSHEIM</b><br>10868 MAY 2006 4815N 01133E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - AUSTRIA<br/>WIEN/HOHE WARTE</b><br>11035 MAY 2006 4815N 01622E OB 3 |             |              |       |                      |              |            |           |       | <b>EUROPE - CZECH REPUBLIC<br/>PRAHA-LIBUS</b><br>11520 MAY 2006 5001N 01427E OB 3      |        |              |             |                      |              |            |           |       |  |
| 030   | 23953  | 1            | -53.6 | 32.6                 | 1            | 13         | 92        | 1     | 030   | 23968       | 5            | -53.5 |                      | 5            | 26         | 132       | 1     | 030   | 23963  | 0            | -53.4       | 32.6                 | 0            | 11         | 348       | 1     |  |
| 050   | 20690  | 0            | -55.9 | 31.8                 | 0            | 53         | 278       | 3     | 050   | 20702       | 2            | -55.5 |                      | 2            | 44         | 249       | 2     | 050   | 20691  | 0            | -55.1       | 32.1                 | 0            | 49         | 271       | 3     |  |
| 100   | 16271  | 0            | -54.9 | 32.2                 | 0            | 75         | 274       | 8     | 100   | 16280       | 2            | -54.9 |                      | 2            | 79         | 275       | 8     | 100   | 16255  | 0            | -54.1       | 32.2                 | 0            | 78         | 275       | 8     |  |
| 150   | 13678  | 0            | -54.2 | 30.2                 | 0            | 83         | 278       | 14    | 150   | 13680       | 2            | -53.8 |                      | 2            | 80         | 284       | 12    | 150   | 13649  | 0            | -52.8       | 31.7                 | 0            | 76         | 279       | 12    |  |
| 200   | 11849  | 0            | -57.1 | 16.8                 | 0            | 82         | 284       | 21    | 200   | 11843       | 2            | -56.2 |                      | 2            | 77         | 287       | 18    | 200   | 11801  | 0            | -55.1       | 20.8                 | 0            | 75         | 282       | 19    |  |
| 300   | 9241   | 0            | -46.1 | 10.1                 | 0            | 73         | 281       | 20    | 300   | 9233        | 2            | -46.1 |                      | 2            | 66         | 290       | 17    | 300   | 9191   | 0            | -47.0       | 10.8                 | 0            | 66         | 284       | 18    |  |
| 500   | 5646   | 0            | -19.5 | 13.0                 | 0            | 74         | 278       | 12    | 500   | 5638        | 0            | -19.4 | 11.1                 | 0            | 62         | 282       | 10    | 500   | 5617   | 0            | -20.9       | 12.5                 | 0            | 60         | 281       | 10    |  |
| 700   | 3066   | 0            | -3.6  | 9.3                  | 0            | 71         | 269       | 9     | 700   | 3057        | 0            | -3.6  | 7.7                  | 0            | 56         | 288       | 7     | 700   | 3049   | 0            | -4.7        | 9.5                  | 0            | 52         | 271       | 6     |  |
| 850   | 1501   | 0            | 6.8   | 5.7                  | 0            | 53         | 270       | 5     | 850   | 1495        | 0            | 6.7   | 5.9                  | 0            | 54         | 292       | 6     | 850   | 1493   | 0            | 5.5         | 5.9                  | 0            | 39         | 264       | 4     |  |
| 960   | * 489  |              | 13.4  | 6.7                  |              |            |           |       | 993   | * 200       |              | 15.3  | 6.1                  |              |            |           |       |   | 981    | * 303        |             | 14.5                 | 8.4          |            |           |       |  |



# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   |
| <b>EUROPE - SLOVAKIA</b><br><b>POPRAD-GANOVCE</b><br>11952 MAY 2006 4902N 02019E OB 3                 |        |              |       |                      |              |            |           |       | <b>EUROPE - POLAND</b><br><b>LEBA</b><br>12120 MAY 2006 5445N 01732E OB 3                      |        |              |       |                      |              |            |           |       | <b>EUROPE - POLAND</b><br><b>LEGIONOWO</b><br>12374 MAY 2006 5224N 02058E OB 3         |        |              |       |                      |              |            |           |       |
| 030   | 23962  | 0            | -53.4 | 32.0                 | 0            | 18         | 193       | 1     | 030  | 23955  | 0            | -53.1 | 32.8                 | 0            | 14         | 346       | 1     | 030  | 23955  | 0            | -53.3 | 31.9                 | 2            | 3          | 20        | 0     |
| 050   | 20694  | 0            | -55.2 | 31.4                 | 0            | 42         | 250       | 2     | 050  | 20671  | 0            | -53.7 | 32.4                 | 0            | 32         | 267       | 2     | 050  | 20681  | 0            | -54.4 | 31.6                 | 2            | 30         | 256       | 2     |
| 100   | 16262  | 0            | -54.1 | 31.6                 | 0            | 75         | 265       | 7     | 100  | 16208  | 0            | -52.6 | 32.7                 | 0            | 58         | 265       | 6     | 100  | 16230  | 0            | -52.9 | 32.2                 | 2            | 66         | 270       | 6     |
| 150   | 13654  | 0            | -52.9 | 31.2                 | 0            | 76         | 274       | 12    | 150  | 13579  | 0            | -50.8 | 33.1                 | 0            | 55         | 275       | 8     | 150  | 13606  | 0            | -51.4 | 32.2                 | 2            | 58         | 285       | 8     |
| 200   | 11805  | 0            | -54.5 | 22.9                 | 0            | 71         | 280       | 16    | 200  | 11708  | 0            | -52.2 | 26.0                 | 0            | 58         | 278       | 11    | 200  | 11742  | 0            | -52.7 | 25.8                 | 2            | 56         | 292       | 10    |
| 300   | 9196   | 0            | -47.4 | 9.6                  | 0            | 55         | 283       | 15    | 300  | 9086   | 0            | -49.4 | 10.4                 | 0            | 50         | 278       | 12    | 300  | 9129   | 0            | -48.9 | 9.9                  | 2            | 47         | 291       | 12    |
| 500   | 5620   | 0            | -20.5 | 13.0                 | 0            | 57         | 273       | 9     | 500  | 5552   | 0            | -23.3 | 14.3                 | 0            | 45         | 273       | 7     | 500  | 5581   | 0            | -22.3 | 13.3                 | 2            | 45         | 291       | 7     |
| 700   | 3047   | 0            | -4.6  | 5.4                  | 0            | 38         | 284       | 4     | 700  | 3005   | 0            | -6.5  | 11.6                 | 0            | 49         | 257       | 6     | 700  | 3027   | 0            | -6.0  | 9.0                  | 2            | 38         | 281       | 4     |
| 850   | 1489   | 0            | 6.3   | 5.4                  | 0            | 20         | 298       | 1     | 850  | 1461   | 0            | 3.2   | 6.9                  | 0            | 44         | 248       | 4     | 850  | 1477   | 0            | 4.4   | 5.3                  | 0            | 37         | 264       | 3     |
| 934   | * 703  |              | 11.8  | 6.5                  |              |            |           |       | 1014   | * 6    |              | 11.5  | 5.0                  |              |            |           |       | 1004   | * 96   |              | 14.3  | 8.6                  |              |            |           |       |
| <b>EUROPE - POLAND</b><br><b>WROCLAW I</b><br>12425 MAY 2006 5107N 01653E OB 3                        |        |              |       |                      |              |            |           |       | <b>EUROPE - HUNGARY</b><br><b>BUDAPEST/PESTSZENTLORINC</b><br>12843 MAY 2006 4726N 01911E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - HUNGARY</b><br><b>SZEGED</b><br>12982 MAY 2006 4615N 02006E OB             |        |              |       |                      |              |            |           |       |
| 030   | 23957  | 0            | -53.3 | 32.5                 | 1            | 12         | 51        | 1     | 030  | 23979  | 7            | -53.7 |                      | 9            | 16         | 118       | 1     | 030  | 23966  | 9            | -53.9 |                      | 9            | 37         | 176       | 2     |
| 050   | 20683  | 0            | -54.7 | 32.1                 | 1            | 43         | 259       | 2     | 050  | 20711  | 6            | -55.5 |                      | 9            | 39         | 259       | 2     | 050  | 20708  | 7            | -55.7 |                      | 8            | 47         | 237       | 2     |
| 100   | 16241  | 0            | -53.4 | 32.4                 | 1            | 74         | 270       | 8     | 100  | 16292  | 3            | -54.8 |                      | 9            | 79         | 279       | 8     | 100  | 16292  | 4            | -55.2 |                      | 5            | 84         | 288       | 8     |
| 150   | 13626  | 0            | -52.3 | 32.5                 | 1            | 66         | 281       | 10    | 150  | 13692  | 3            | -53.8 |                      | 8            | 81         | 285       | 12    | 150  | 13699  | 4            | -54.3 |                      | 5            | 84         | 293       | 13    |
| 200   | 11771  | 0            | -53.9 | 23.6                 | 0            | 67         | 287       | 15    | 200  | 11852  | 3            | -55.8 |                      | 7            | 76         | 290       | 17    | 200  | 11861  | 3            | -56.4 |                      | 4            | 82         | 301       | 19    |
| 300   | 9160   | 0            | -48.1 | 9.7                  | 0            | 58         | 282       | 17    | 300  | 9235   | 2            | -46.2 | 10.4                 | 5            | 62         | 289       | 15    | 300  | 9253   | 0            | -46.0 | 9.7                  | 1            | 62         | 286       | 14    |
| 500   | 5599   | 0            | -21.6 | 12.0                 | 0            | 54         | 277       | 9     | 500  | 5644   | 1            | -19.6 | 11.1                 | 2            | 61         | 286       | 9     | 500  | 5657   | 0            | -19.3 | 9.9                  | 1            | 64         | 270       | 9     |
| 700   | 3038   | 0            | -5.3  | 9.5                  | 0            | 52         | 277       | 6     | 700  | 3062   | 1            | -3.6  | 7.4                  | 3            | 55         | 283       | 5     | 700  | 3070   | 0            | -3.0  | 5.3                  | 1            | 56         | 274       | 6     |
| 850   | 1486   | 0            | 4.9   | 6.1                  | 0            | 41         | 268       | 3     | 850  | 1498   | 1            | 6.5   | 5.8                  | 2            | 43         | 281       | 4     | 850  | 1501   | 0            | 7.5   | 5.3                  | 1            | 42         | 263       | 3     |
| 1001  | * 122  |              | 13.9  | 7.7                  |              |            |           |       | 1000   | * 139  |              | 16.3  | 6.9                  |              |            |           |       | 1007   | * 83   |              | 12.0  | 2.4                  |              |            |           |       |
| <b>EUROPE - SERBIA AND MONTENEGRO</b><br><b>BEOGRAD/KOSUTNJAK</b><br>13275 MAY 2006 4446N 02025E OB 1 |        |              |       |                      |              |            |           |       | <b>EUROPE - ROMANIA</b><br><b>CLUJ-NAPOCA</b><br>15120 MAY 2006 4647N 02334E OB 1              |        |              |       |                      |              |            |           |       | <b>EUROPE - BULGARIA</b><br><b>SOFIA (OBSERV.)</b><br>15614 MAY 2006 4239N 02323E OB 0 |        |              |       |                      |              |            |           |       |
| 030   |        |              |       |                      |              |            |           |       | 030  |        |              |       |                      |              |            |           |       | 030  | 23971  | 4            | -53.4 | 28.8                 | 6            | 32         | 174       | 2     |
| 050   | 20695  | 4            | -56.4 |                      | 2            | 25         | 264       | 1     | 050  |        |              |       |                      |              |            |           |       | 050  | 20716  | 0            | -56.5 | 28.5                 | 2            | 40         | 205       | 2     |
| 100   | 16296  | 2            | -56.0 |                      | 2            | 83         | 281       | 8     | 100  | 16279  | 6            | -54.8 | 30.8                 | 6            | 80         | 273       | 7     | 100  | 16323  | 0            | -56.4 | 29.2                 | 2            | 83         | 275       | 7     |
| 150   | 13713  | 2            | -55.0 |                      | 2            | 84         | 281       | 13    | 150  | 13692  | 3            | -53.7 | 28.6                 | 4            | 81         | 280       | 11    | 150  | 13744  | 0            | -55.4 | 27.4                 | 2            | 86         | 283       | 11    |
| 200   | 11889  | 1            | -56.3 |                      | 1            | 78         | 289       | 17    | 200  | 11853  | 2            | -56.1 | 18.2                 | 4            | 79         | 290       | 16    | 200  | 11917  | 0            | -56.3 | 18.8                 | 2            | 74         | 287       | 15    |
| 300   | 9274   | 0            | -45.7 |                      | 0            | 73         | 295       | 15    | 300  | 9243   | 2            | -46.8 | 8.3                  | 4            | 62         | 278       | 12    | 300  | 9297   | 0            | -45.5 | 12.3                 | 1            | 71         | 291       | 13    |
| 500   | 5670   | 0            | -18.6 | 11.1                 | 0            | 73         | 278       | 10    | 500  | 5662   | 1            | -19.3 | 10.5                 | 1            | 63         | 277       | 8     | 500  | 5688   | 0            | -18.0 | 13.9                 | 0            | 74         | 289       | 8     |
| 700   | 3077   | 0            | -1.8  | 6.1                  | 1            | 58         | 283       | 6     | 700  | 3056   | 1            | -3.1  | 9.2                  | 2            | 53         | 284       | 5     | 700  | 3088   | 0            | -1.1  | 9.5                  | 1            | 58         | 287       | 4     |
| 850   | 1503   | 0            | 8.2   | 6.9                  | 1            | 33         | 294       | 2     | 850  | 1500   | 1            | 7.4   | 5.9                  | 1            | 44         | 234       | 3     | 850  | 1508   | 0            | 10.0  | 6.9                  | 1            | 30         | 332       | 1     |
| 992   | * 203  |              | 14.2  | 5.7                  |              |            |           |       | 968  | * 414  |              | 10.9  | 3.6                  |              |            |           |       | 948  | * 595  |              | 19.8  | 12.2                 |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>EUROPE - ITALY UDINE/CAMPOFORMIDO</b><br>16044 MAY 2006 4602N 01311E OB  |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY MILANO/LINATE</b><br>16080 MAY 2006 4526N 00917E OB 3   |             |              |       |                      |              |            |           |       | <b>EUROPE - ITALY PRATICA DI MARE</b><br>16245 MAY 2006 4139N 01227E OB 3  |        |              |             |                      |              |            |           |       |
| 030   | 23964  | 0            | -53.5 | 31.7                 | 0            | 28         | 97        | 1     | 030   | 23995       | 12           | -52.8 | 32.7                 | 9            | 27         | 64        | 2     | 030  | 23964  | 2            | -53.4       | 31.1                 | 2            | 60         | 160       | 3     |
| 050   | 20701  | 0            | -56.1 | 31.0                 | 0            | 27         | 273       | 2     | 050   | 20714       | 8            | -55.5 | 30.7                 | 9            | 35         | 290       | 2     | 050  | 20709  | 2            | -57.0       | 30.0                 | 2            | 37         | 217       | 2     |
| 100   | 16300  | 0            | -56.2 | 31.0                 | 0            | 85         | 281       | 9     | 100   | 16314       | 2            | -56.5 | 30.7                 | 6            | 83         | 283       | 9     | 100  | 16349  | 0            | -58.6       | 29.5                 | 0            | 85         | 283       | 10    |
| 150   | 13717  | 0            | -55.6 | 27.0                 | 0            | 86         | 283       | 14    | 150   | 13739       | 1            | -56.4 | 26.1                 | 5            | 89         | 284       | 15    | 150  | 13797  | 0            | -59.0       | 23.8                 | 0            | 90         | 286       | 15    |
| 200   | 11900  | 0            | -57.8 | 15.3                 | 0            | 80         | 291       | 21    | 200   | 11924       | 0            | -58.9 | 12.7                 | 3            | 87         | 283       | 22    | 200  | 12001  | 0            | -60.1       | 12.9                 | 0            | 81         | 290       | 19    |
| 300   | 9289   | 0            | -44.9 | 9.7                  | 0            | 71         | 292       | 19    | 300   | 9314        | 0            | -44.6 | 8.9                  | 0            | 76         | 281       | 19    | 300  | 9385   | 0            | -42.9       | 12.9                 | 0            | 83         | 293       | 19    |
| 500   | 5673   | 0            | -17.8 | 12.3                 | 0            | 67         | 282       | 11    | 500   | 5687        | 0            | -16.8 | 9.8                  | 0            | 72         | 277       | 11    | 500  | 5734   | 0            | -15.0       | 17.3                 | 0            | 78         | 287       | 12    |
| 700   | 3077   | 0            | -2.1  | 7.8                  | 0            | 50         | 278       | 4     | 700   | 3080        | 0            | -9    | 7.3                  | 0            | 45         | 260       | 4     | 700  | 3107   | 0            | 1.6         | 17.2                 | 0            | 76         | 281       | 8     |
| 850   | 1504   | 0            | 8.0   | 5.8                  | 0            | 21         | 183       | 1     | 850   | 1500        | 0            | 9.5   | 8.1                  | 1            | 7          | 119       | 1     | 850  | 1518   | 0            | 10.8        | 13.0                 | 0            | 53         | 280       | 3     |
| 1005  | * 94   |              | 17.6  | 7.1                  |              |            |           |       | 1003  | * 103       |              | 16.9  | 6.2                  |              |            |           |       | 1013   | * 21   |              | 22.4        | 11.2                 |              |            |           |       |
| <b>EUROPE - ITALY BRINDISI</b><br>16320 MAY 2006 4039N 01757E OB 3          |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY TRAPANI BIRGI</b><br>16429 MAY 2006 3755N 01230E OB 3   |             |              |       |                      |              |            |           |       | <b>EUROPE - TURKEY SAMSUN</b><br>17030 MAY 2006 4117N 03618E OB 3          |        |              |             |                      |              |            |           |       |
| 030   | 23955  | 12           | -54.3 | 32.5                 | 9            | 48         | 97        | 2     | 030   | 23965       | 5            | -54.8 | 32.3                 | 6            | 48         | 102       | 3     | 030  | 23952  | 3            | -55.2       | 31.6                 | 3            | 58         | 85        | 2     |
| 050   | 20710  | 10           | -57.4 | 31.6                 | 9            | 24         | 220       | 1     | 050   | 20728       | 3            | -58.4 | 31.3                 | 5            | 30         | 359       | 2     | 050  | 20724  | 3            | -58.9       | 30.5                 | 3            | 38         | 172       | 2     |
| 100   | 16357  | 7            | -58.8 | 29.9                 | 7            | 87         | 286       | 9     | 100   | 16406       | 1            | -60.5 | 30.4                 | 4            | 89         | 283       | 10    | 100  | 16366  | 2            | -56.4       | 31.3                 | 2            | 90         | 237       | 11    |
| 150   | 13797  | 3            | -58.0 | 23.7                 | 5            | 86         | 293       | 15    | 150   | 13872       | 1            | -59.5 | 22.1                 | 3            | 89         | 285       | 14    | 150  | 13777  | 2            | -54.0       | 29.5                 | 2            | 88         | 245       | 14    |
| 200   | 11995  | 1            | -58.9 | 12.7                 | 1            | 87         | 300       | 20    | 200   | 12086       | 1            | -61.0 | 8.4                  | 2            | 87         | 291       | 18    | 200  | 11933  | 2            | -54.8       | 21.0                 | 2            | 71         | 252       | 14    |
| 300   | 9374   | 1            | -43.5 | 11.7                 | 1            | 87         | 306       | 19    | 300   | 9465        | 1            | -42.1 | 10.2                 | 1            | 85         | 295       | 13    | 300  | 9303   | 0            | -45.5       | 11.7                 | 0            | 69         | 242       | 13    |
| 500   | 5727   | 0            | -15.8 | 15.0                 | 0            | 85         | 303       | 12    | 500   | 5796        | 1            | -13.6 | 15.4                 | 1            | 85         | 290       | 10    | 500  | 5688   | 0            | -17.0       | 15.8                 | 0            | 66         | 245       | 7     |
| 700   | 3105   | 0            | 1.0   | 14.4                 | 0            | 68         | 306       | 6     | 700   | 3151        | 1            | 4.2   | 14.4                 | 1            | 78         | 294       | 8     | 700  | 3078   | 0            | -1          | 10.5                 | 0            | 63         | 255       | 5     |
| 850   | 1516   | 0            | 11.3  | 10.7                 | 0            | 59         | 313       | 4     | 850   | 1541        | 1            | 14.7  | 18.0                 | 1            | 52         | 287       | 4     | 850  | 1493   | 0            | 9.3         | 6.7                  | 0            | 7          | 177       | 1     |
| 1016  | * 10   |              | 17.3  | 4.4                  |              |            |           |       | 1017  | * 9         |              | 16.6  | 3.4                  |              |            |           |       | 1015   | * 4    |              | 12.1        | 2.1                  |              |            |           |       |
| <b>EUROPE - TURKEY ISTANBUL/GOZTEPE</b><br>17062 MAY 2006 4058N 02905E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - TURKEY ANKARA/CENTRAL</b><br>17130 MAY 2006 3957N 03253E OB 3 |             |              |       |                      |              |            |           |       | <b>EUROPE - TURKEY IZMIR/GUZELYALI</b><br>17220 MAY 2006 3826N 02710E OB 3 |        |              |             |                      |              |            |           |       |
| 030   | 23979  | 7            | -54.2 | 32.6                 | 7            | 65         | 94        | 3     | 030   | 23944       | 7            | -55.1 | 31.5                 | 7            | 51         | 61        | 2     | 030  | 23969  | 2            | -54.6       | 32.6                 | 2            | 60         | 87        | 3     |
| 050   | 20738  | 7            | -58.1 | 31.4                 | 7            | 42         | 198       | 2     | 050   | 20713       | 5            | -58.5 | 30.4                 | 5            | 15         | 197       | 1     | 050  | 20734  | 2            | -58.6       | 31.1                 | 2            | 33         | 157       | 2     |
| 100   | 16319  | 5            | -57.9 | 30.9                 | 5            | 87         | 257       | 8     | 100   | 16350       | 5            | -56.8 | 30.7                 | 5            | 94         | 240       | 11    | 100  | 16376  | 1            | -57.6       | 30.8                 | 1            | 93         | 257       | 10    |
| 150   | 13753  | 4            | -56.9 | 26.2                 | 4            | 85         | 266       | 12    | 150   | 13769       | 4            | -53.8 | 28.8                 | 4            | 93         | 248       | 15    | 150  | 13804  | 1            | -55.6       | 27.3                 | 1            | 87         | 270       | 14    |
| 200   | 11906  | 3            | -58.4 | 17.6                 | 3            | 74         | 285       | 13    | 200   | 11929       | 3            | -54.8 | 18.7                 | 3            | 80         | 252       | 14    | 200  | 11972  | 1            | -55.6       | 19.5                 | 1            | 76         | 286       | 15    |
| 300   | 9296   | 0            | -46.6 | 11.4                 | 0            | 65         | 291       | 11    | 300   | 9309        | 0            | -45.0 | 12.6                 | 0            | 57         | 250       | 12    | 300  | 9347   | 0            | -44.0       | 12.7                 | 0            | 75         | 292       | 16    |
| 500   | 5687   | 0            | -17.5 | 16.1                 | 0            | 56         | 290       | 6     | 500   | 5689        | 0            | -17.1 | 15.3                 | 0            | 60         | 250       | 7     | 500  | 5714   | 0            | -16.0       | 19.8                 | 0            | 69         | 287       | 9     |
| 700   | 3080   | 0            | .1    | 17.0                 | 0            | 45         | 293       | 3     | 700   | 3081        | 0            | -2    | 7.5                  | 0            | 63         | 270       | 4     | 700  | 3090   | 0            | 1.4         | 19.1                 | 0            | 52         | 291       | 4     |
| 850   | 1498   | 0            | 9.1   | 9.0                  | 0            | 21         | 325       | 2     | 850   | 1494        | 0            | 10.8  | 8.7                  | 0            | 19         | 53        | 1     | 850  | 1499   | 0            | 11.6        | 10.3                 | 0            | 35         | 330       | 2     |
| 1011  | * 33   |              | 14.4  | 3.7                  |              |            |           |       | 913   | * 891       |              | 12.2  | 6.0                  |              |            |           |       | 1011   | * 29   |              | 17.7        | 7.8                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>EUROPE - TURKEY</b><br><b>ISPARTA</b><br>17240 MAY 2006 3745N 03033E OB 3                             |        |              |       |                      |              |            |           |       | <b>EUROPE - CYPRUS</b><br><b>ATHALASSA</b><br>17607 MAY 2006 3509N 03324E OB 2                                  |             |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>KANDALAKSHA</b><br>22217 MAY 2006 6709N 03221E OB   |        |              |             |                      |              |            |           |       |
| 030  | 23938  | 2            | -54.9 | 32.3                 | 2            | 75         | 87        | 3     | 030   | 23967       | 12           | -54.3 | 32.5                 | 9            | 79         | 102       | 4     | 030   | 23966  | 1            | -50.3       | 13.7                 | 1            | 41         | 16        | 3     |
| 050  | 20712  | 1            | -59.0 | 31.2                 | 1            | 23         | 202       | 1     | 050   | 20724       | 3            | -60.3 | 30.8                 | 1            | 43         | 144       | 2     | 050   | 20640  | 0            | -51.6       | 12.0                 | 0            | 60         | 306       | 3     |
| 100  | 16375  | 0            | -58.3 | 31.2                 | 0            | 93         | 248       | 11    | 100   | 16429       | 3            | -60.5 | 30.7                 | 1            | 94         | 244       | 14    | 100   | 16135  | 0            | -50.7       | 10.3                 | 0            | 64         | 289       | 5     |
| 150  | 13803  | 0            | -55.2 | 28.4                 | 0            | 90         | 255       | 15    | 150   | 13880       | 3            | -56.4 | 29.2                 | 1            | 93         | 249       | 21    | 150   | 13482  | 0            | -48.9       | 8.7                  | 0            | 63         | 279       | 6     |
| 200  | 11971  | 0            | -55.4 | 19.9                 | 0            | 77         | 265       | 15    | 200   | 12054       | 3            | -55.9 | 19.9                 | 1            | 89         | 255       | 22    | 200   | 11592  | 0            | -49.4       | 6.9                  | 0            | 58         | 287       | 6     |
| 300  | 9338   | 0            | -44.1 | 14.7                 | 0            | 73         | 270       | 14    | 300   | 9416        | 0            | -43.0 | 14.9                 | 0            | 79         | 258       | 16    | 300   | 8969   | 0            | -52.0       | 5.8                  | 0            | 36         | 280       | 5     |
| 500  | 5708   | 0            | -16.2 | 18.7                 | 0            | 77         | 274       | 9     | 500   | 5759        | 0            | -13.8 | 25.0                 | 0            | 80         | 256       | 11    | 500   | 5484   | 0            | -26.7       | 7.2                  | 0            | 34         | 279       | 4     |
| 700  | 3090   | 0            | .7    | 9.6                  | 0            | 56         | 281       | 4     | 700   | 3114        | 0            | 3.7   | 25.1                 | 0            | 69         | 258       | 5     | 700   | 2967   | 0            | -9.7        | 6.7                  | 0            | 34         | 274       | 3     |
| 850  | 1499   | 0            | 11.3  | 7.3                  | 0            | 42         | 348       | 2     | 850   | 1509        | 0            | 14.0  | 11.8                 | 0            | 36         | 288       | 2     | 850   | 1441   | 0            | -.2         | 5.3                  | 0            | 16         | 222       | 1     |
| 902  | * 997  |              | 10.3  | 3.4                  |              |            |           |       | 994   | * 162       |              | 29.0  | 14.0                 |              |            |           |       | 1012  | * 25   |              | 6.1         | 5.2                  |              |            |           |       |
| <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>SHOJNA</b><br>22271 MAY 2006 6753N 04409E OB           |        |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>KEM'</b><br>22522 MAY 2006 6457N 03439E OB                    |             |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>ARHANGEL'SK</b><br>22550 MAY 2006 6433N 04035E OB 3 |        |              |             |                      |              |            |           |       |
| 030  | 23910  | 30           | -47.3 | 9.0                  | 9            | 99         | 45        | 3     | 030   | 23968       | 11           | -50.0 | 12.8                 | 9            | 34         | 50        | 2     | 030   | 23977  | 14           | -51.2       | 22.0                 | 9            | 50         | 56        | 3     |
| 050  | 20559  | 26           | -49.5 | 8.2                  | 9            | 14         | 337       | 1     | 050   | 20615       | 6            | -52.0 | 11.1                 | 9            | 53         | 291       | 3     | 050   | 20656  | 4            | -51.9       | 19.3                 | 6            | 42         | 303       | 2     |
| 100  | 16083  | 10           | -51.0 | 7.5                  | 9            | 61         | 309       | 6     | 100   | 16144       | 0            | -50.9 | 11.3                 | 0            | 69         | 280       | 6     | 100   | 16166  | 3            | -50.7       | 15.7                 | 3            | 66         | 290       | 7     |
| 150  | 13432  | 6            | -49.2 | 6.8                  | 6            | 66         | 295       | 7     | 150   | 13495       | 0            | -49.0 | 9.3                  | 0            | 60         | 275       | 5     | 150   | 13512  | 2            | -48.4       | 12.7                 | 2            | 64         | 288       | 7     |
| 200  | 11546  | 5            | -49.7 | 5.4                  | 5            | 65         | 295       | 8     | 200   | 11606       | 0            | -50.4 | 7.2                  | 0            | 54         | 284       | 6     | 200   | 11617  | 2            | -48.7       | 9.2                  | 2            | 58         | 285       | 7     |
| 300  | 8921   | 5            | -52.0 | 3.8                  | 5            | 57         | 300       | 10    | 300   | 8987        | 0            | -50.2 | 6.1                  | 0            | 36         | 269       | 6     | 300   | 8992   | 2            | -51.3       | 6.6                  | 2            | 33         | 290       | 6     |
| 500  | 5451   | 5            | -28.2 | 5.1                  | 5            | 51         | 292       | 7     | 500   | 5497        | 0            | -25.3 | 7.8                  | 0            | 32         | 265       | 4     | 500   | 5492   | 1            | -26.0       | 8.8                  | 2            | 39         | 273       | 5     |
| 700  | 2948   | 5            | -12.2 | 5.3                  | 5            | 55         | 290       | 6     | 700   | 2973        | 0            | -8.9  | 6.1                  | 0            | 43         | 265       | 4     | 700   | 2971   | 1            | -9.0        | 8.9                  | 2            | 38         | 275       | 3     |
| 850  | 1446   | 5            | -4.0  | 3.9                  | 5            | 44         | 294       | 4     | 850   | 1445        | 0            | .6    | 5.7                  | 0            | 26         | 259       | 2     | 850   | 1440   | 2            | .5          | 6.5                  | 1            | 21         | 248       | 1     |
| 1017   | * 18   |              | 1.9   | 1.8                  |              |            |           |       | 1014  | * 8         |              | 6.6   | 5.8                  |              |            |           |       | 1014  | * 4    |              | 8.2         | 7.4                  |              |            |           |       |
| <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>NIZHNIJ NOVGOROD</b><br>27459 MAY 2006 5616N 04400E OB |        |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>MOSKVA (DOLGOPRUDNYJ)</b><br>27612 MAY 2006 5545N 03757E OB 0 |             |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>SUHINICHI</b><br>27707 MAY 2006 5406N 03521E OB     |        |              |             |                      |              |            |           |       |
| 030  | 23953  | 9            | -54.1 | 18.8                 | 9            | 33         | 289       | 2     | 030   | 23963       | 24           | -52.6 | 23.4                 | 9            | 24         | 306       | 1     | 030   |        |              |             |                      |              |            |           |       |
| 050  | 20684  | 0            | -55.2 | 16.7                 | 0            | 68         | 271       | 5     | 050   | 20659       | 5            | -54.9 | 17.1                 | 5            | 72         | 279       | 5     | 050   | 20678  | 19           | -55.2       | 17.7                 | 9            | 68         | 279       | 3     |
| 100  | 16239  | 0            | -52.9 | 13.4                 | 0            | 84         | 260       | 9     | 100   | 16212       | 0            | -52.3 | 14.2                 | 0            | 85         | 253       | 9     | 100   | 16235  | 6            | -52.8       | 13.7                 | 6            | 84         | 247       | 8     |
| 150  | 13607  | 0            | -50.3 | 10.6                 | 0            | 86         | 254       | 11    | 150   | 13579       | 0            | -50.1 | 12.1                 | 0            | 85         | 256       | 10    | 150   | 13603  | 3            | -50.4       | 12.1                 | 3            | 85         | 251       | 9     |
| 200  | 11731  | 0            | -51.0 | 8.3                  | 0            | 82         | 255       | 14    | 200   | 11701       | 0            | -50.5 | 9.6                  | 0            | 77         | 258       | 12    | 200   | 11731  | 3            | -51.5       | 9.9                  | 3            | 83         | 254       | 12    |
| 300  | 9108   | 0            | -49.3 | 7.3                  | 0            | 70         | 248       | 17    | 300   | 9074        | 0            | -49.1 | 8.2                  | 0            | 61         | 257       | 14    | 300   | 9111   | 3            | -48.6       | 8.6                  | 3            | 65         | 252       | 13    |
| 500  | 5573   | 0            | -23.3 | 9.9                  | 0            | 64         | 249       | 10    | 500   | 5548        | 0            | -23.5 | 9.7                  | 0            | 45         | 255       | 6     | 500   | 5571   | 3            | -22.5       | 11.6                 | 3            | 53         | 260       | 7     |
| 700  | 3023   | 0            | -6.2  | 7.8                  | 0            | 49         | 256       | 4     | 700   | 3008        | 3            | -6.9  | 7.2                  | 0            | 41         | 259       | 4     | 700   | 3021   | 4            | -6.1        | 6.8                  | 3            | 38         | 256       | 3     |
| 850  | 1474   | 1            | 4.6   | 7.9                  | 0            | 35         | 263       | 2     | 850   | 1467        | 1            | 4.3   | 8.1                  | 0            | 36         | 275       | 3     | 850   | 1476   | 4            | 4.4         | 8.2                  | 3            | 21         | 242       | 2     |
| 996  | * 157  |              | 13.3  | 9.5                  |              |            |           |       | 992   | * 200       |              | 12.7  | 8.8                  |              |            |           |       | 987   | * 238  |              | 11.7        | 7.9                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |     |   |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|---|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |   |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |   |
| <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>RYAZAN'</b><br>27730 MAY 2006 5438N 03942E OB |        |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>PENZA</b><br>27962 MAY 2006 5307N 04501E OB       |             |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>KURSK</b><br>34009 MAY 2006 5146N 03610E OB |        |              |             |                      |              |            |           |       |     |   |
| 030   | 23931  | 16           | -53.8 | 17.0                 | 9            | 22         | 341       | 1     | 030   | 23922       | 1            | -54.4 | 15.7                 | 1            | 38         | 284       | 2     | 030   | 23885  | 3            | -55.2       | 14.8                 | 3            | 43         | 277       | 2     |     |   |
| 050   | 20674  | 7            | -55.3 | 15.8                 | 7            | 63         | 267       | 4     | 050   | 20667       | 0            | -56.1 | 13.5                 | 0            | 82         | 268       | 6     | 050   | 20645  | 2            | -56.2       | 13.9                 | 2            | 80         | 259       | 5     |     |   |
| 100   | 16235  | 1            | -53.1 | 15.2                 | 1            | 88         | 255       | 9     | 100   | 16262       | 0            | -53.6 | 12.4                 | 0            | 91         | 250       | 11    | 100   | 16234  | 1            | -53.7       | 11.5                 | 1            | 89         | 254       | 10    |     |   |
| 150   | 13607  | 0            | -50.6 | 12.3                 | 0            | 88         | 253       | 11    | 150   | 13641       | 0            | -51.2 | 10.3                 | 0            | 90         | 251       | 14    | 150   | 13613  | 0            | -51.7       | 9.9                  | 0            | 88         | 253       | 12    |     |   |
| 200   | 11737  | 0            | -51.6 | 10.1                 | 0            | 82         | 256       | 14    | 200   | 11776       | 0            | -52.5 | 8.6                  | 0            | 83         | 252       | 16    | 200   | 11755  | 0            | -53.3       | 8.2                  | 0            | 81         | 259       | 15    |     |   |
| 300   | 9115   | 0            | -48.6 | 8.8                  | 0            | 65         | 252       | 16    | 300   | 9162        | 0            | -48.5 | 7.8                  | 0            | 68         | 249       | 17    | 300   | 9146   | 0            | -47.9       | 7.6                  | 0            | 67         | 254       | 15    |     |   |
| 500   | 5574   | 0            | -22.4 | 11.1                 | 0            | 64         | 253       | 10    | 500   | 5602        | 0            | -20.9 | 11.4                 | 0            | 69         | 249       | 12    | 500   | 5585   | 0            | -21.3       | 10.6                 | 0            | 64         | 255       | 9     |     |   |
| 700   | 3024   | 1            | -5.6  | 7.9                  | 0            | 54         | 257       | 5     | 700   | 3036        | 0            | -4.2  | 8.8                  | 0            | 64         | 252       | 7     | 700   | 3028   | 1            | -5.5        | 6.5                  | 0            | 53         | 257       | 6     |     |   |
| 850   | 1478   | 1            | 5.0   | 8.0                  | 0            | 46         | 258       | 3     | 850   | 1482        | 3            | 6.5   | 8.4                  | 0            | 54         | 248       | 4     | 850   | 1480   | 0            | 5.4         | 7.8                  | 0            | 29         | 244       | 2     |     |   |
| 997   | * 158  |              | 12.6  | 8.1                  |              |            |           |       | 995   | * 172       |              | 14.6  | 10.0                 |              |            |           |       | 986   | * 247  |              | 13.9        | 9.9                  |              |            |           |       |     |   |
| <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>VORONEZ</b><br>34122 MAY 2006 5139N 03915E OB |        |              |       |                      |              |            |           |       | <b>EUROPE - BELARUS</b><br><b>GOMEL</b><br>33041 MAY 2006 5224N 03057E OB                           |             |              |       |                      |              |            |           |       | <b>EUROPE - ISRAEL</b><br><b>BET DAGAN</b><br>40179 MAY 2006 3200N 03449E OB 3                |        |              |             |                      |              |            |           |       |     |   |
| 030   | 24001  | 17           | -54.5 | 16.8                 | 9            | 11         | 274       | 0     | 030   |             |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |           |       |     |   |
| 050   | 20727  | 8            | -56.2 | 14.8                 | 8            | 78         | 268       | 5     | 050   | 20614       | 16           | -55.8 | 10.5                 | 9            | 72         | 263       | 4     | 050   | 20704  | 3            | -62.1       |                      |              |            |           |       |     |   |
| 100   | 16292  | 0            | -53.1 | 12.3                 | 0            | 91         | 249       | 11    | 100   | 16187       | 16           | -52.9 | 10.1                 | 9            | 83         | 252       | 7     | 100   | 16472  | 0            | -63.6       |                      |              | 0          | 98        | 237   | 22  |   |
| 150   | 13666  | 0            | -51.0 | 9.9                  | 0            | 90         | 250       | 13    | 150   | 13564       | 16           | -51.1 | 8.6                  | 9            | 83         | 255       | 9     | 150   | 13946  | 0            | -57.2       |                      |              | 0          | 98        | 242   | 30  |   |
| 200   | 11804  | 0            | -53.0 | 8.1                  | 0            | 82         | 251       | 16    | 200   | 11698       | 16           | -51.9 | 6.6                  | 9            | 76         | 261       | 11    | 200   | 12120  | 0            | -55.6       |                      |              | 0          | 94        | 246   | 28  |   |
| 300   | 9183   | 0            | -47.0 | 7.2                  | 0            | 64         | 247       | 15    | 300   | 9094        | 16           | -50.4 | 5.3                  | 9            | 63         | 276       | 15    | 300   | 9470   | 0            | -41.4       | 17.6                 |              | 0          | 89        | 248   | 21  |   |
| 500   | 5607   | 0            | -20.2 | 10.7                 | 0            | 64         | 247       | 10    | 500   | 5567        | 16           | -22.6 | 10.2                 | 9            | 60         | 274       | 9     | 500   | 5793   | 0            | -12.4       | 24.6                 |              | 0          | 89        | 245   | 12  |   |
| 700   | 3038   | 0            | -4.2  | 7.8                  | 0            | 51         | 252       | 6     | 700   | 3019        | 16           | -5.7  | 6.3                  | 9            | 53         | 290       | 6     | 700   | 3131   | 0            | 6.4         | 22.3                 |              | 0          | 85        | 237   | 8   |   |
| 850   | 1483   | 2            | 6.6   | 9.1                  | 0            | 37         | 239       | 3     | 850   | 1474        | 16           | 4.4   | 6.1                  | 9            | 25         | 313       | 2     | 850   | 1511   | 0            | 16.0        | 20.9                 |              | 0          | 61        | 283   | 3   |   |
| 1003  | * 104  |              | 15.8  | 11.3                 |              |            |           |       | 1001  | * 126       |              | 10.1  | 4.4                  |              |            |           |       | 1010  | * 35   |              | 21.8        | 7.0                  |              |            |           |       |     |   |
| <b>EUROPE - JORDAN</b><br><b>MAFRAQ</b><br>40265 MAY 2006 3222N 03615E OB 3                     |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>OSTROV DIKSON</b><br>20674 MAY 2006 7330N 08024E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>HATANGA</b><br>20891 MAY 2006 7159N 10220E OB 3 |        |              |             |                      |              |            |           |       |     |   |
| 030   |        |              |       |                      |              |            |           |       | 030   | 24067       | 9            | -44.5 |                      |              | 9          | 53        | 76    | 2   | 030    |              |             |                      |              |            |           |       |     |   |
| 050   | 20820  | 6            | -62.2 |                      | 7            | 29         | 143       | 4     | 050   | 20663       | 4            | -45.6 |                      |              | 4          | 33        | 66    | 2   | 050    |              |             |                      |              |            |           |       |     |   |
| 100   | 16526  | 0            | -64.0 |                      | 0            | 96         | 238       | 20    | 100   | 16045       | 0            | -46.5 |                      |              | 0          | 54        | 351   | 4   | 100    | 16014        | 26          | -47.7                | 10.8         |            | 9         | 8     | 335 |   |
| 150   | 14013  | 0            | -56.5 |                      | 0            | 98         | 240       | 30    | 150   | 13348       | 0            | -45.5 |                      |              | 0          | 53        | 333   | 5   | 150    | 13305        | 18          | -48.0                | 10.2         |            | 9         | 35    | 332 | 3 |
| 200   | 12176  | 0            | -55.0 |                      | 0            | 96         | 247       | 29    | 200   | 11425       | 0            | -45.2 |                      |              | 0          | 59        | 328   | 6   | 200    | 11380        | 13          | -47.4                | 8.6          |            | 9         | 35    | 314 | 3 |
| 300   | 9506   | 0            | -41.2 |                      | 0            | 88         | 251       | 22    | 300   | 8744        | 0            | -49.3 |                      |              | 0          | 49        | 320   | 8   | 300    | 8730         | 13          | -51.3                | 5.4          |            | 9         | 30    | 298 | 4 |
| 500   | 5817   | 0            | -12.6 | 16.7                 | 0            | 88         | 239       | 14    | 500   | 5288        | 0            | -31.2 | 6.4                  |              | 0          | 45        | 313   | 6   | 500    | 5287         | 13          | -32.1                | 5.7          |            | 9         | 46    | 317 | 5 |
| 700   | 3147   | 0            | 6.6   | 18.1                 | 0            | 72         | 236       | 9     | 700   | 2828        | 0            | -15.8 | 6.2                  |              | 0          | 45        | 322   | 5   | 700    | 2835         | 12          | -17.2                | 4.7          |            | 9         | 32    | 335 | 3 |
| 850   | 1516   | 0            | 17.8  | 21.9                 | 0            | 79         | 297       | 6     | 850   | 1346        | 0            | -9.8  | 4.2                  |              | 0          | 42        | 319   | 4   | 850    | 1361         | 12          | -10.8                | 3.7          |            | 9         | 29    | 294 | 2 |
| 936   | * 683  |              | 16.6  | 8.8                  |              |            |           |       | 1005  | * 47        |              | -6.8  | 1.6                  |              |            |           |       | 1010  | * 33   |              | -10.0       | 2.2                  |              |            |           |       |     |   |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |     |    |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |    |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |    |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>TIKSI</b><br>21824 MAY 2006 7135N 12850E OB       |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>NAR'JAN-MAR</b><br>23205 MAY 2006 6738N 05302E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>SALEHARD</b><br>23330 MAY 2006 6632N 06640E OB 3 |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   | 23931       | 29           | -49.3 | 10.5                 |              | 9          | 99        | 290   | 7  | 030    | 23836        | 22          | -51.1                | 15.0         |            | 9         | 63    | 340 | 4  |
| 050   | 20616  | 19           | -45.7 | 13.2                 | 9            | 75         | 178       | 5     | 050   | 20633       | 16           | -50.8 | 8.8                  |              | 9          | 33        | 320   | 2  | 050    | 20562        | 12          | -50.8                | 13.4         |            | 9         | 62    | 328 | 5  |
| 100   | 16035  | 2            | -46.2 | 11.6                 | 2            | 71         | 201       | 5     | 100   | 16081       | 3            | -49.6 | 7.8                  |              | 5          | 80        | 286   | 8  | 100    | 16069        | 2           | -50.3                | 12.7         |            | 2         | 72    | 306 | 9  |
| 150   | 13342  | 1            | -46.5 | 9.9                  | 1            | 65         | 213       | 5     | 150   | 13419       | 3            | -48.1 | 7.0                  |              | 3          | 77        | 285   | 10   | 150    | 13416        | 1           | -48.9                | 10.7         |            | 1         | 71    | 300 | 11 |
| 200   | 11437  | 0            | -47.5 | 7.9                  | 0            | 63         | 233       | 6     | 200   | 11524       | 3            | -48.5 | 5.7                  |              | 3          | 76        | 280   | 11   | 200    | 11525        | 0           | -49.7                | 8.2          |            | 0         | 69    | 296 | 12 |
| 300   | 8797   | 0            | -51.6 | 5.0                  | 0            | 60         | 241       | 11    | 300   | 8881        | 3            | -51.1 | 3.6                  |              | 3          | 71        | 281   | 14   | 300    | 8908         | 0           | -51.0                | 6.4          |            | 0         | 65    | 286 | 15 |
| 500   | 5336   | 0            | -29.0 | 6.6                  | 0            | 61         | 240       | 9     | 500   | 5402        | 3            | -27.8 | 4.8                  |              | 4          | 68        | 288   | 10   | 500    | 5416         | 0           | -26.8                | 8.0          |            | 0         | 65    | 292 | 10 |
| 700   | 2861   | 0            | -13.7 | 6.5                  | 0            | 64         | 239       | 5     | 700   | 2904        | 3            | -12.2 | 5.5                  |              | 5          | 57        | 284   | 6  | 700    | 2916         | 0           | -11.7                | 8.0          |            | 0         | 59    | 306 | 6  |
| 850   | 1365   | 0            | -7.3  | 4.5                  | 0            | 49         | 223       | 4     | 850   | 1398        | 3            | -5.2  | 3.7                  |              | 5          | 44        | 276   | 4  | 850    | 1412         | 0           | -5.0                 | 6.7          |            | 0         | 46    | 313 | 4  |
| 1011  | * 7    |              | -4.9  | 2.0                  |              |            |           |       | 1012  | * 12        |              | 2.8   | 3.9                  |              |            |           |       |  | 1014   | * 16         |             | .0                   | 4.1          |            |           |       |     |    |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>TURUHANSK</b><br>23472 MAY 2006 6547N 08756E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>SYKTYVKAR</b><br>23804 MAY 2006 6140N 05051E OB 3   |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>IVDEL'</b><br>23921 MAY 2006 6041N 06027E OB     |        |              |             |                      |              |            |           |       |     |    |
| 030   | 24051  | 17           | -46.0 | 24.2                 | 9            | 46         | 83        | 2     | 030   | 23957       | 1            | -51.8 | 18.1                 |              | 1          | 44        | 352   | 3  | 030    | 23911        | 0           | -52.1                | 14.4         |            | 0         | 63    | 332 | 4  |
| 050   | 20610  | 4            | -48.7 | 20.8                 | 5            | 44         | 333       | 2     | 050   | 20652       | 1            | -53.0 | 16.6                 |              | 1          | 51        | 284   | 3  | 050    | 20633        | 0           | -53.0                | 13.2         |            | 0         | 75    | 297 | 7  |
| 100   | 16044  | 0            | -49.3 | 16.2                 | 0            | 69         | 318       | 6     | 100   | 16177       | 0            | -51.8 | 14.0                 |              | 0          | 75        | 275   | 9  | 100    | 16171        | 0           | -51.3                | 11.8         |            | 0         | 78    | 285 | 11 |
| 150   | 13380  | 0            | -48.3 | 13.4                 | 0            | 67         | 305       | 8     | 150   | 13536       | 0            | -49.5 | 11.1                 |              | 0          | 73        | 273   | 9  | 150    | 13525        | 0           | -49.3                | 10.1         |            | 0         | 78    | 283 | 12 |
| 200   | 11484  | 0            | -48.6 | 10.1                 | 0            | 67         | 302       | 10    | 200   | 11650       | 0            | -49.6 | 8.2                  |              | 0          | 71        | 266   | 11   | 200    | 11653        | 0           | -51.2                | 8.1          |            | 0         | 74    | 275 | 15 |
| 300   | 8840   | 0            | -50.9 | 7.2                  | 0            | 59         | 302       | 13    | 300   | 9024        | 0            | -51.4 | 6.4                  |              | 0          | 64        | 255   | 13   | 300    | 9031         | 0           | -48.7                | 6.6          |            | 0         | 59    | 267 | 14 |
| 500   | 5371   | 0            | -29.0 | 8.5                  | 0            | 60         | 298       | 10    | 500   | 5521        | 0            | -25.1 | 9.9                  |              | 0          | 56        | 271   | 7  | 500    | 5497         | 0           | -23.8                | 8.4          |            | 0         | 61    | 278 | 8  |
| 700   | 2888   | 0            | -13.5 | 9.3                  | 0            | 60         | 298       | 7     | 700   | 2988        | 0            | -8.0  | 7.0                  |              | 0          | 54        | 280   | 5  | 700    | 2968         | 0           | -8.2                 | 6.5          |            | 0         | 57    | 278 | 6  |
| 850   | 1389   | 0            | -6.0  | 5.8                  | 0            | 56         | 293       | 5     | 850   | 1453        | 0            | 2.2   | 7.1                  |              | 0          | 37        | 293   | 3  | 850    | 1442         | 0           | .6                   | 6.4          |            | 0         | 44    | 281 | 3  |
| 1008  | * 38   |              | 1.6   | 7.2                  |              |            |           |       | 1000  | * 116       |              | 9.6   | 8.5                  |              |            |           |       |  | 1003   | * 95         |             | 7.5                  | 6.9          |            |           |       |     |    |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>OLENEK</b><br>24125 MAY 2006 6830N 11220E OB 3    |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>VERHOJANSK</b><br>24266 MAY 2006 6734N 13320E OB 3  |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ZHIGANSK</b><br>24343 MAY 2006 6646N 12320E OB   |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   | 24075       | 13           | -44.9 | 15.8                 |              | 9          | 67        | 168   | 5  | 030    | 24037        | 28          | -46.8                | 19.0         |            | 9         | 73    | 166 | 5  |
| 050   | 20523  | 4            | -47.5 | 16.8                 | 4            | 74         | 190       | 4     | 050   | 20667       | 6            | -46.0 | 14.2                 |              | 6          | 71        | 176   | 5  | 050    | 20657        | 16          | -47.5                | 17.1         |            | 9         | 79    | 185 | 5  |
| 100   | 15972  | 0            | -48.3 | 12.9                 | 1            | 63         | 233       | 3     | 100   | 16078       | 0            | -47.0 | 12.0                 |              | 0          | 73        | 206   | 5  | 100    | 16025        | 1           | -48.0                | 12.1         |            | 1         | 76    | 220 | 5  |
| 150   | 13309  | 0            | -48.0 | 10.3                 | 0            | 69         | 243       | 5     | 150   | 13412       | 0            | -47.3 | 10.2                 |              | 0          | 63        | 221   | 5  | 150    | 13362        | 0           | -48.3                | 9.9          |            | 0         | 70    | 238 | 6  |
| 200   | 11415  | 0            | -48.2 | 8.4                  | 0            | 68         | 247       | 6     | 200   | 11515       | 0            | -49.0 | 8.1                  |              | 0          | 59        | 237   | 6  | 200    | 11476        | 0           | -49.8                | 7.8          |            | 0         | 67    | 245 | 7  |
| 300   | 8772   | 0            | -51.0 | 6.2                  | 0            | 57         | 241       | 10    | 300   | 8894        | 0            | -50.1 | 6.4                  |              | 0          | 45        | 256   | 8  | 300    | 8864         | 0           | -51.5                | 5.9          |            | 0         | 51    | 243 | 10 |
| 500   | 5312   | 0            | -29.1 | 7.1                  | 0            | 69         | 241       | 9     | 500   | 5396        | 0            | -26.8 | 8.5                  |              | 0          | 50        | 254   | 6  | 500    | 5383         | 0           | -27.4                | 7.6          |            | 0         | 51    | 232 | 7  |
| 700   | 2835   | 0            | -13.7 | 6.5                  | 0            | 72         | 243       | 6     | 700   | 2895        | 0            | -11.6 | 8.6                  |              | 0          | 47        | 255   | 3  | 700    | 2888         | 0           | -12.1                | 4.7          |            | 0         | 46    | 229 | 4  |
| 850   | 1344   | 0            | -7.1  | 4.9                  | 0            | 47         | 244       | 4     | 850   | 1386        | 0            | -2.3  | 8.5                  |              | 0          | 29        | 244   | 1  | 850    | 1381         | 1           | -2.9                 | 7.5          |            | 0         | 32    | 199 | 3  |
| 983   | * 220  |              | -6    | 8.0                  |              |            |           |       | 993   | * 138       |              | 5.0   | 9.8                  |              |            |           |       |  | 1000   | * 92         |             | 3.3                  | 7.5          |            |           |       |     |    |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      |              | VECTOR WIND |           |       | LEVEL  |        | TEMPERATURE  |       |                      |              | VECTOR WIND |           |       | LEVEL   |        | TEMPERATURE  |       |                      |              | VECTOR WIND |           |       |  |
|---|--------|--------------|-------|----------------------|--------------|-------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|-------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|-------------|-----------|-------|--|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS  | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS  | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS  | DIRECTION | SPEED |  |
| hPa   | gpm    |              | °C    | °C                   |              | %           | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %           | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %           | o         | mps   |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>TURA</b><br>24507 MAY 2006 6416N 10010E OB 3            |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>VANAVARA</b><br>24908 MAY 2006 6020N 10210E OB   |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>JAKUTSK</b><br>24959 MAY 2006 6201N 12940E OB 0   |        |              |       |                      |              |             |           |       |  |
| 030   | 23943  | 14           | -46.9 | 23.8                 | 9            | 47          | 145       | 3     | 030  | 23908  | 4            | -48.2 | 18.0                 | 9            | 29          | 144       | 1     | 030   | 24010  | 10           | -47.4 | 12.1                 | 9            | 67          | 148       | 5     |  |
| 050   | 20549  | 5            | -48.8 | 20.7                 | 6            | 37          | 179       | 2     | 050  | 20580  | 2            | -49.8 | 17.2                 | 3            | 57          | 263       | 3     | 050   | 20608  | 0            | -48.6 | 11.4                 | 0            | 66          | 177       | 3     |  |
| 100   | 16005  | 0            | -49.9 | 17.0                 | 0            | 53          | 286       | 3     | 100  | 16052  | 2            | -50.6 | 13.7                 | 2            | 73          | 281       | 6     | 100   | 16057  | 0            | -49.1 | 10.2                 | 0            | 69          | 240       | 4     |  |
| 150   | 13348  | 0            | -49.0 | 14.0                 | 0            | 73          | 282       | 7     | 150  | 13404  | 0            | -49.4 | 11.2                 | 0            | 78          | 286       | 8     | 150   | 13398  | 0            | -49.2 | 8.8                  | 0            | 65          | 256       | 5     |  |
| 200   | 11456  | 0            | -49.1 | 9.7                  | 0            | 70          | 276       | 9     | 200  | 11522  | 0            | -50.5 | 9.3                  | 0            | 72          | 280       | 9     | 200   | 11519  | 0            | -50.7 | 7.0                  | 0            | 61          | 279       | 6     |  |
| 300   | 8827   | 0            | -52.2 | 6.3                  | 0            | 61          | 271       | 13    | 300  | 8907   | 0            | -51.5 | 8.2                  | 0            | 48          | 277       | 9     | 300   | 8913   | 0            | -51.2 | 5.5                  | 0            | 38          | 283       | 8     |  |
| 500   | 5365   | 0            | -29.2 | 7.5                  | 0            | 70          | 272       | 10    | 500  | 5429   | 0            | -27.6 | 7.5                  | 0            | 51          | 282       | 7     | 500   | 5415   | 0            | -25.5 | 7.3                  | 0            | 35          | 270       | 5     |  |
| 700   | 2880   | 0            | -13.5 | 7.2                  | 0            | 67          | 277       | 7     | 700  | 2925   | 0            | -11.1 | 7.1                  | 0            | 57          | 287       | 6     | 700   | 2897   | 0            | -9.5  | 8.0                  | 0            | 20          | 245       | 2     |  |
| 850   | 1379   | 0            | -4.9  | 5.8                  | 0            | 41          | 273       | 3     | 850  | 1406   | 0            | -1.4  | 8.2                  | 0            | 48          | 292       | 4     | 850   | 1377   | 0            | -7    | 8.0                  | 0            | 3           | 185       |       |  |
| 987   | * 168  |              | 4.2   | 8.6                  |              |             |           |       | 979  | * 260  |              | 6.0   | 9.5                  |              |             |           |       |   | 995    | * 101        |       | 8.0                  | 10.7         |             |           |       |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ZYRYANKA</b><br>25400 MAY 2006 6544N 15050E OB          |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>SEJMCHAN</b><br>25703 MAY 2006 6255N 15220E OB 3 |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>MAGADAN</b><br>25913 MAY 2006 5933N 15040E OB     |        |              |       |                      |              |             |           |       |  |
| 030   |        |              |       |                      |              |             |           |       | 030  | 23955  | 7            | -48.0 | 14.6                 | 7            | 22          | 360       | 1     | 030   | 23963  | 1            | -49.2 | 14.8                 | 1            | 46          | 135       | 3     |  |
| 050   | 20803  | 28           | -50.1 | 11.5                 | 9            | 21          | 230       | 1     | 050  | 20628  | 3            | -49.1 | 14.0                 | 3            | 54          | 192       | 4     | 050   | 20631  | 1            | -49.6 | 13.8                 | 1            | 50          | 188       | 3     |  |
| 100   | 16283  | 27           | -48.4 | 10.4                 | 9            | 73          | 264       | 3     | 100  | 16080  | 2            | -48.6 | 12.4                 | 2            | 70          | 214       | 6     | 100   | 16103  | 1            | -49.2 | 12.4                 | 1            | 63          | 226       | 6     |  |
| 150   | 13589  | 26           | -47.9 | 9.0                  | 9            | 77          | 240       | 5     | 150  | 13419  | 0            | -48.0 | 10.8                 | 0            | 66          | 219       | 6     | 150   | 13437  | 1            | -48.2 | 10.9                 | 1            | 66          | 230       | 6     |  |
| 200   | 11699  | 26           | -49.3 | 6.6                  | 9            | 60          | 229       | 4     | 200  | 11531  | 0            | -49.1 | 8.5                  | 0            | 62          | 227       | 7     | 200   | 11554  | 1            | -49.5 | 9.0                  | 1            | 56          | 231       | 7     |  |
| 300   | 9075   | 24           | -49.6 | 4.9                  | 9            | 35          | 165       | 6     | 300  | 8897   | 0            | -49.1 | 6.3                  | 0            | 32          | 256       | 5     | 300   | 8910   | 0            | -48.6 | 6.6                  | 0            | 35          | 245       | 6     |  |
| 500   | 5514   | 23           | -23.7 | 9.1                  | 9            | 6           | 326       |       | 500  | 5391   | 0            | -26.2 | 7.4                  | 0            | 22          | 317       | 3     | 500   | 5395   | 0            | -25.5 | 8.0                  | 0            | 17          | 273       | 2     |  |
| 700   | 2984   | 23           | -8.2  | 5.0                  | 9            | 15          | 305       | 1     | 700  | 2887   | 0            | -11.2 | 5.7                  | 0            | 22          | 11        | 2     | 700   | 2883   | 0            | -10.7 | 7.1                  | 0            | 11          | 31        | 1     |  |
| 850   | 1455   | 23           | 1.5   | 6.6                  | 9            | 32          | 147       | 1     | 850  | 1380   | 0            | -3.1  | 4.8                  | 0            | 29          | 39        | 2     | 850   | 1373   | 0            | -3.2  | 5.3                  | 0            | 33          | 72        | 3     |  |
| 1011  | * 43   |              | 9.2   | 8.5                  |              |             |           |       | 983  | * 205  |              | 5.3   | 6.8                  |              |             |           |       | 995   | * 116  |              | 1.1   | 3.3                  |              |             |           |       |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>VERHNEE DUBROVO</b><br>28445 MAY 2006 5644N 06104E OB 0 |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>OMSK</b><br>28698 MAY 2006 5456N 07324E OB 3     |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>KOLPASEVO</b><br>29231 MAY 2006 5819N 08257E OB 3 |        |              |       |                      |              |             |           |       |  |
| 030   | 23972  | 0            | -53.3 | 13.1                 | 0            | 62          | 323       | 4     | 030  |        |              |       |                      |              |             |           |       | 030   | 23896  | 21           | -52.3 | 13.6                 |              |             |           |       |  |
| 050   | 20700  | 0            | -54.5 | 12.2                 | 0            | 82          | 292       | 8     | 050  | 20820  | 30           | -52.9 |                      | 9            | 99          | 285       | 8     | 050   | 20624  | 6            | -52.9 | 12.6                 | 8            | 84          | 304       | 7     |  |
| 100   | 16247  | 0            | -52.3 | 11.1                 | 0            | 87          | 281       | 13    | 100  | 16357  | 13           | -52.8 | 11.0                 | 9            | 96          | 291       | 16    | 100   | 16150  | 5            | -51.4 | 11.8                 | 5            | 88          | 299       | 13    |  |
| 150   | 13613  | 0            | -50.6 | 9.6                  | 0            | 87          | 278       | 16    | 150  | 13699  | 9            | -50.2 | 8.1                  | 9            | 91          | 291       | 17    | 150   | 13504  | 5            | -49.4 | 10.6                 | 5            | 85          | 298       | 14    |  |
| 200   | 11743  | 0            | -52.3 | 7.6                  | 0            | 82          | 276       | 17    | 200  | 11833  | 6            | -52.5 | 6.5                  | 7            | 86          | 285       | 19    | 200   | 11620  | 5            | -50.2 | 8.9                  | 5            | 80          | 302       | 16    |  |
| 300   | 9118   | 0            | -47.9 | 6.4                  | 0            | 69          | 273       | 17    | 300  | 9193   | 6            | -46.2 | 8.9                  | 5            | 79          | 286       | 20    | 300   | 8981   | 3            | -48.7 | 7.0                  | 3            | 70          | 307       | 17    |  |
| 500   | 5564   | 0            | -22.6 | 8.2                  | 0            | 71          | 275       | 12    | 500  | 5611   | 5            | -20.4 | 10.1                 | 5            | 80          | 292       | 14    | 500   | 5470   | 3            | -26.4 | 9.8                  | 3            | 69          | 301       | 11    |  |
| 700   | 3015   | 0            | -6.8  | 5.3                  | 0            | 66          | 272       | 8     | 700  | 3044   | 5            | -4.6  | 8.2                  | 5            | 73          | 282       | 9     | 700   | 2963   | 3            | -10.8 | 9.0                  | 4            | 69          | 293       | 8     |  |
| 850   | 1471   | 0            | 3.7   | 8.5                  | 1            | 70          | 277       | 7     | 850  | 1490   | 11           | 6.7   | 11.4                 | 5            | 48          | 260       | 4     | 850   | 1445   | 3            | -2.2  | 8.6                  | 4            | 63          | 292       | 6     |  |
| 982   | * 290  |              | 10.9  | 8.7                  |              |             |           |       | 1006   | * 90   |              | 16.9  | 19.8                 |              |             |           |       | 1007  | * 75   |              | 5.8   | 7.2                  |              |             |           |       |  |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      |              | VECTOR WIND |           |       | LEVEL   |        | TEMPERATURE  |       |                      |              | VECTOR WIND |           |       | LEVEL  |        | TEMPERATURE  |       |                      |              | VECTOR WIND |           |       |
|---|--------|--------------|-------|----------------------|--------------|-------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|-------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|-------------|-----------|-------|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS  | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS  | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS  | DIRECTION | SPEED |
| hPa   | gpm    |              | °C    | °C                   |              | %           | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %           | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %           | o         | mps   |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>EMEL'JANOVO</b><br>29572 MAY 2006 5611N 09237E OB 0 |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>NOVOSIBIRSK</b><br>29634 MAY 2006 5505N 08254E OB |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>HAKASSKAJA</b><br>29862 MAY 2006 5346N 09119E OB |        |              |       |                      |              |             |           |       |
| 030   | 23946  | 3            | -49.8 | 21.6                 | 3            | 10          | 43        | 1     | 030   | 23834  | 20           | -50.7 | 14.0                 | 9            | 96          | 294       | 6     | 030  | 23931  | 4            | -51.3 | 15.4                 | 4            | 16          | 264       | 1     |
| 050   | 20616  | 2            | -52.3 | 19.6                 | 2            | 76          | 284       | 5     | 050   | 20643  | 6            | -53.2 | 12.5                 | 6            | 90          | 299       | 8     | 050  | 20617  | 1            | -54.1 | 14.2                 | 1            | 79          | 287       | 6     |
| 100   | 16119  | 0            | -51.8 | 17.3                 | 0            | 89          | 291       | 11    | 100   | 16203  | 0            | -52.0 | 11.7                 | 0            | 93          | 295       | 15    | 100  | 16166  | 0            | -52.5 | 12.5                 | 0            | 93          | 291       | 14    |
| 150   | 13481  | 0            | -50.0 | 15.6                 | 0            | 89          | 293       | 14    | 150   | 13570  | 0            | -50.0 | 10.3                 | 0            | 92          | 296       | 18    | 150  | 13533  | 0            | -50.5 | 10.4                 | 0            | 92          | 293       | 17    |
| 200   | 11602  | 0            | -50.6 | 11.6                 | 0            | 84          | 292       | 15    | 200   | 11700  | 0            | -51.2 | 8.4                  | 0            | 87          | 297       | 20    | 200  | 11662  | 0            | -51.4 | 8.8                  | 0            | 88          | 291       | 18    |
| 300   | 8972   | 0            | -50.4 | 8.1                  | 0            | 70          | 286       | 15    | 300   | 9071   | 0            | -48.0 | 7.0                  | 0            | 80          | 297       | 22    | 300  | 9038   | 0            | -49.7 | 7.3                  | 0            | 81          | 287       | 21    |
| 500   | 5482   | 0            | -27.3 | 7.5                  | 0            | 67          | 281       | 11    | 500   | 5535   | 0            | -24.4 | 9.8                  | 0            | 79          | 294       | 14    | 500  | 5526   | 0            | -26.0 | 8.4                  | 0            | 80          | 280       | 14    |
| 700   | 2974   | 0            | -10.2 | 7.1                  | 0            | 74          | 279       | 9     | 700   | 3002   | 0            | -8.6  | 10.1                 | 0            | 75          | 284       | 9     | 700  | 3006   | 0            | -9.4  | 7.4                  | 0            | 78          | 277       | 8     |
| 850   | 1448   | 0            | 1.0   | 8.5                  | 0            | 72          | 270       | 8     | 850   | 1470   | 0            | 1.6   | 10.3                 | 0            | 69          | 283       | 7     | 850  | 1470   | 0            | 2.5   | 10.7                 | 0            | 71          | 274       | 6     |
| 990   | * 206  |              | 7.9   | 8.8                  |              |             |           |       | 999   | * 176  |              | 10.3  | 9.8                  |              |             |           |       | 986  | * 256  |              | 10.5  | 11.1                 |              |             |           |       |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>KIRENSK</b><br>30230 MAY 2006 5746N 10800E OB 0     |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>CHARA</b><br>30372 MAY 2006 5654N 11810E OB       |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>CHITA</b><br>30758 MAY 2006 5205N 11320E OB 0    |        |              |       |                      |              |             |           |       |
| 030   | 23983  | 10           | -48.3 | 16.4                 | 9            | 36          | 116       | 2     | 030   | 24043  | 16           | -49.1 |                      | 9            | 67          | 82        | 3     | 030  | 23857  | 23           | -49.7 | 13.6                 | 9            | 42          | 238       | 2     |
| 050   | 20633  | 1            | -50.0 | 14.3                 | 1            | 40          | 261       | 2     | 050   | 20621  | 1            | -50.4 |                      | 9            | 47          | 211       | 2     | 050  | 20531  | 18           | -52.8 | 12.8                 | 9            | 80          | 267       | 6     |
| 100   | 16102  | 0            | -51.1 | 12.2                 | 0            | 72          | 270       | 7     | 100   | 16108  | 0            | -50.9 |                      | 0            | 80          | 263       | 7     | 100  | 16119  | 5            | -52.2 | 11.3                 | 5            | 91          | 272       | 13    |
| 150   | 13459  | 0            | -49.8 | 10.7                 | 0            | 76          | 274       | 9     | 150   | 13465  | 0            | -50.1 |                      | 0            | 74          | 271       | 8     | 150  | 13501  | 2            | -50.6 | 9.5                  | 2            | 85          | 274       | 14    |
| 200   | 11580  | 0            | -51.3 | 8.4                  | 0            | 68          | 270       | 10    | 200   | 11591  | 0            | -53.1 |                      | 0            | 55          | 90        | 8     | 200  | 11636  | 2            | -52.3 | 7.8                  | 2            | 77          | 270       | 15    |
| 300   | 8962   | 0            | -50.8 | 6.0                  | 0            | 55          | 259       | 11    | 300   | 8985   | 1            | -50.3 |                      | 0            | 35          | 265       | 8     | 300  | 9021   | 1            | -48.7 | 6.7                  | 1            | 55          | 272       | 12    |
| 500   | 5458   | 0            | -26.3 | 8.1                  | 0            | 53          | 275       | 8     | 500   | 5458   | 0            | -23.9 | 6.3                  | 0            | 33          | 276       | 5     | 500  | 5486   | 0            | -23.8 | 9.2                  | 0            | 50          | 285       | 8     |
| 700   | 2943   | 0            | -10.4 | 6.0                  | 0            | 57          | 283       | 6     | 700   | 2921   | 0            | -8.9  | 5.6                  | 0            | 32          | 311       | 3     | 700  | 2951   | 0            | -6.9  | 8.7                  | 0            | 58          | 300       | 7     |
| 850   | 1420   | 0            | .1    | 8.0                  | 0            | 55          | 274       | 5     | 850   | 1393   | 0            | .2    | 8.1                  | 0            | 46          | 353       | 3     | 850  | 1411   | 0            | 3.8   | 12.1                 | 0            | 59          | 309       | 5     |
| 981   | * 259  |              | 7.7   | 7.1                  |              |             |           |       | 925   | * 711  |              | 4.6   | 8.3                  |              |             |           |       | 931  | * 671  |              | 8.8   | 12.4                 |              |             |           |       |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ALDAN</b><br>31004 MAY 2006 5837N 12520E OB 3       |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>OHOTSK</b><br>31088 MAY 2006 5922N 14310E OB 3    |        |              |       |                      |              |             |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>AYAN</b><br>31168 MAY 2006 5627N 13800E OB       |        |              |       |                      |              |             |           |       |
| 030   | 24047  | 24           | -47.8 | 11.9                 | 9            | 90          | 106       | 4     | 030   |        |              |       |                      |              |             |           |       | 030  |        |              |       |                      |              |             |           |       |
| 050   | 20603  | 6            | -49.7 | 12.2                 | 6            | 57          | 203       | 2     | 050   | 20618  | 9            | -49.5 | 12.0                 | 9            | 73          | 197       | 5     | 050  | 20885  | 21           | -46.6 |                      | 9            | 88          | 221       | 6     |
| 100   | 16076  | 0            | -50.1 | 10.6                 | 0            | 74          | 255       | 6     | 100   | 16089  | 3            | -49.1 | 10.5                 | 3            | 67          | 230       | 5     | 100  | 16281  | 13           | -46.1 |                      | 9            | 91          | 255       | 9     |
| 150   | 13429  | 0            | -49.8 | 9.0                  | 0            | 70          | 270       | 6     | 150   | 13438  | 0            | -48.6 | 9.0                  | 0            | 69          | 243       | 5     | 150  | 13574  | 10           | -45.0 |                      | 9            | 86          | 263       | 7     |
| 200   | 11558  | 0            | -52.7 | 7.0                  | 0            | 64          | 280       | 8     | 200   | 11550  | 0            | -49.7 | 7.1                  | 0            | 51          | 262       | 5     | 200  | 11672  | 5            | -47.3 |                      | 7            | 74          | 275       | 9     |
| 300   | 8958   | 0            | -50.2 | 5.8                  | 0            | 45          | 284       | 9     | 300   | 8921   | 0            | -49.9 | 5.0                  | 0            | 21          | 263       | 3     | 300  | 8990   | 5            | -46.1 | 8.0                  | 5            | 55          | 286       | 10    |
| 500   | 5444   | 0            | -24.5 | 7.2                  | 0            | 50          | 275       | 7     | 500   | 5412   | 0            | -25.3 | 6.8                  | 0            | 26          | 345       | 3     | 500  | 5448   | 4            | -25.0 | 6.2                  | 4            | 44          | 304       | 6     |
| 700   | 2916   | 0            | -8.3  | 5.2                  | 0            | 52          | 260       | 5     | 700   | 2897   | 0            | -9.9  | 5.0                  | 0            | 29          | 18        | 2     | 700  | 2914   | 5            | -9.0  | 5.5                  | 5            | 47          | 336       | 4     |
| 850   | 1388   | 0            | .4    | 6.0                  | 0            | 34          | 267       | 2     | 850   | 1381   | 0            | -1.8  | 5.3                  | 0            | 21          | 67        | 1     | 850  | 1388   | 7            | -1.1  | 6.0                  | 7            | 36          | 332       | 2     |
| 928   | * 679  |              | 5.3   | 6.6                  |              |             |           |       | 1009  | * 6    |              | 2.7   | 2.7                  |              |             |           |       | 1008   | * 8    |              | 3.5   | 4.2                  |              |             |           |       |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |  |  |  |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|--|--|--|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |  |  |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |  |  |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>BLAGOVESCENSK</b><br>31510 MAY 2006 5032N 12730E OB 3             |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>HABAROVSK</b><br>31736 MAY 2006 4832N 13510E OB 3        |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>VLADIVOSTOK (SAD GOROD)</b><br>31977 MAY 2006 4316N 13200E OB 3 |        |              |             |                      |              |            |           |       |  |  |  |
| 030   | 23957  | 23           | -51.4 | 21.3                 | 9            | 73         | 96        | 3     | 030  | 23956       | 26           | -52.1 | 21.0                 | 9            | 55         | 114       | 2     | 030   |        |              |             |                      |              |            |           |       |  |  |  |
| 050   | 20621  | 15           | -53.6 | 18.6                 | 9            | 43         | 227       | 2     | 050  | 20671       | 16           | -54.7 | 19.2                 | 9            | 72         | 242       | 5     | 050   | 20674  | 13           | -57.4       | 11.6                 | 9            | 80         | 257       | 5     |  |  |  |
| 100   | 16121  | 1            | -53.2 | 15.4                 | 3            | 87         | 266       | 10    | 100  | 16235       | 12           | -52.4 | 16.8                 | 9            | 81         | 267       | 12    | 100   | 16318  | 7            | -56.4       | 10.1                 | 7            | 93         | 269       | 19    |  |  |  |
| 150   | 13499  | 0            | -51.5 | 13.2                 | 0            | 90         | 268       | 14    | 150  | 13588       | 9            | -51.4 | 12.6                 | 9            | 85         | 269       | 15    | 150   | 13723  | 4            | -53.8       | 9.2                  | 4            | 94         | 270       | 26    |  |  |  |
| 200   | 11635  | 0            | -52.3 | 11.4                 | 0            | 85         | 269       | 15    | 200  | 11726       | 7            | -53.5 | 11.1                 | 7            | 76         | 274       | 17    | 200   | 11881  | 1            | -53.2       | 8.4                  | 1            | 90         | 270       | 32    |  |  |  |
| 300   | 9028   | 1            | -50.0 | 9.6                  | 0            | 61         | 264       | 15    | 300  | 9107        | 4            | -46.6 | 11.1                 | 4            | 62         | 284       | 14    | 300   | 9242   | 0            | -42.9       | 8.5                  | 0            | 80         | 274       | 23    |  |  |  |
| 500   | 5507   | 0            | -24.0 | 11.4                 | 0            | 54         | 269       | 9     | 500  | 5542        | 0            | -21.1 | 11.6                 | 0            | 59         | 288       | 10    | 500   | 5618   | 0            | -17.8       | 10.6                 | 0            | 70         | 279       | 12    |  |  |  |
| 700   | 2967   | 1            | -5.2  | 10.5                 | 0            | 50         | 260       | 5     | 700  | 2978        | 0            | -4.4  | 9.8                  | 0            | 55         | 294       | 7     | 700   | 3028   | 0            | -1.6        | 8.1                  | 0            | 56         | 281       | 6     |  |  |  |
| 850   | 1412   | 0            | 7.3   | 16.0                 | 0            | 49         | 259       | 5     | 850  | 1422        | 0            | 6.4   | 11.3                 | 0            | 40         | 279       | 4     | 850   | 1458   | 0            | 8.6         | 10.3                 | 0            | 34         | 270       | 3     |  |  |  |
| 987   | * 177  |              | 15.4  | 14.0                 |              |            |           |       | 1000   | * 72        |              | 13.4  | 8.0                  |              |            |           |       | 1002  | * 82   |              | 11.9        | 4.9                  |              |            |           |       |  |  |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ALEKSANDROVSK-SAHALINSKIJ</b><br>32061 MAY 2006 5054N 14210E OB   |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>JUZHNO-SAHALINSK</b><br>32150 MAY 2006 4657N 14240E OB 1 |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>KLJUCHI</b><br>32389 MAY 2006 5619N 16050E OB                   |        |              |             |                      |              |            |           |       |  |  |  |
| 030   |        |              |       |                      |              |            |           |       | 030  | 23906       | 24           | -52.9 | 10.2                 | 9            | 73         | 123       | 3     | 030   | 23939  | 20           | -50.3       | 12.2                 | 9            | 29         | 42        | 1     |  |  |  |
| 050   | 20644  | 8            | -52.7 | 12.3                 | 8            | 64         | 230       | 4     | 050  | 20637       | 18           | -53.8 | 11.1                 | 9            | 80         | 235       | 4     | 050   | 20667  | 5            | -51.7       | 14.9                 | 5            | 40         | 191       | 2     |  |  |  |
| 100   | 16167  | 2            | -51.9 | 10.7                 | 2            | 89         | 267       | 11    | 100  | 16239       | 1            | -53.9 | 11.1                 | 1            | 93         | 269       | 17    | 100   | 16172  | 1            | -50.9       | 13.2                 | 0            | 68         | 222       | 7     |  |  |  |
| 150   | 13529  | 1            | -49.8 | 9.5                  | 1            | 88         | 269       | 14    | 150  | 13623       | 1            | -51.4 | 10.4                 | 1            | 94         | 272       | 23    | 150   | 13521  | 0            | -48.7       | 11.0                 | 0            | 67         | 227       | 10    |  |  |  |
| 200   | 11664  | 0            | -51.3 | 8.2                  | 0            | 81         | 271       | 18    | 200  | 11764       | 0            | -52.0 | 9.1                  | 0            | 86         | 272       | 28    | 200   | 11628  | 0            | -50.5       | 8.1                  | 0            | 52         | 234       | 11    |  |  |  |
| 300   | 9028   | 0            | -47.7 | 7.2                  | 0            | 64         | 284       | 17    | 300  | 9118        | 0            | -44.9 | 8.6                  | 0            | 77         | 279       | 24    | 300   | 8998   | 0            | -47.0       | 6.2                  | 0            | 37         | 229       | 11    |  |  |  |
| 500   | 5487   | 0            | -22.8 | 8.2                  | 0            | 58         | 300       | 10    | 500  | 5538        | 0            | -20.8 | 9.4                  | 0            | 68         | 285       | 13    | 500   | 5445   | 0            | -22.9       | 7.4                  | 0            | 33         | 229       | 6     |  |  |  |
| 700   | 2945   | 0            | -6.6  | 5.8                  | 0            | 64         | 296       | 8     | 700  | 2975        | 0            | -4.4  | 8.4                  | 0            | 59         | 283       | 9     | 700   | 2913   | 0            | -9.0        | 7.8                  | 0            | 35         | 227       | 4     |  |  |  |
| 850   | 1406   | 0            | 2.1   | 5.8                  | 0            | 38         | 271       | 4     | 850  | 1425        | 0            | 4.2   | 6.9                  | 0            | 48         | 271       | 6     | 850   | 1395   | 0            | -2.5        | 4.9                  | 0            | 9          | 203       | 1     |  |  |  |
| 1007  | * 31   |              | 6.6   | 4.5                  |              |            |           |       | 1009   | * 24        |              | 7.9   | 4.4                  |              |            |           |       | 1006  | * 29   |              | 4.9         | 6.2                  |              |            |           |       |  |  |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>PETROPAVLOVSK-KAMCHATSKIJ</b><br>32540 MAY 2006 5305N 15830E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ORENBURG</b><br>35121 MAY 2006 5141N 05506E OB 3         |             |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA</b><br><b>AL-QAISUMAH</b><br>40373 MAY 2006 2819N 04608E OB                            |        |              |             |                      |              |            |           |       |  |  |  |
| 030   | 23947  | 9            | -51.9 | 15.3                 | 9            | 65         | 79        | 3     | 030  | 23966       | 2            | -54.4 | 12.8                 | 2            | 70         | 311       | 4     | 030   | 23914  | 4            | -54.7       | 29.3                 | 4            | 83         | 96        | 6     |  |  |  |
| 050   | 20648  | 1            | -52.6 | 13.4                 | 1            | 36         | 217       | 2     | 050  | 20715       | 2            | -56.9 | 11.7                 | 2            | 87         | 277       | 7     | 050   | 20710  | 3            | -64.3       | 24.6                 | 3            | 84         | 110       | 5     |  |  |  |
| 100   | 16195  | 0            | -51.5 | 11.5                 | 0            | 72         | 248       | 9     | 100  | 16318       | 0            | -53.9 | 11.2                 | 0            | 93         | 261       | 15    | 100   | 16601  | 1            | -72.3       | 18.4                 | 3            | 93         | 224       | 16    |  |  |  |
| 150   | 13551  | 0            | -49.5 | 9.8                  | 0            | 72         | 247       | 11    | 150  | 13699       | 0            | -51.5 | 10.0                 | 0            | 93         | 261       | 17    | 150   | 14160  | 1            | -60.7       | 23.1                 | 1            | 95         | 239       | 28    |  |  |  |
| 200   | 11676  | 0            | -50.9 | 8.0                  | 0            | 67         | 249       | 15    | 200  | 11844       | 0            | -54.1 | 8.2                  | 0            | 88         | 259       | 19    | 200   | 12327  | 1            | -51.1       | 22.7                 | 1            | 97         | 245       | 31    |  |  |  |
| 300   | 9029   | 0            | -45.8 | 6.7                  | 0            | 47         | 229       | 12    | 300  | 9227        | 0            | -46.1 | 8.0                  | 0            | 71         | 258       | 17    | 300   | 9606   | 1            | -35.3       | 19.2                 | 1            | 95         | 244       | 24    |  |  |  |
| 500   | 5464   | 0            | -22.4 | 9.0                  | 0            | 47         | 233       | 8     | 500  | 5637        | 0            | -19.2 | 11.1                 | 0            | 75         | 259       | 11    | 500   | 5858   | 1            | -9.5        | 17.0                 | 1            | 90         | 250       | 13    |  |  |  |
| 700   | 2926   | 0            | -8.2  | 8.8                  | 0            | 39         | 239       | 5     | 700  | 3060        | 0            | -3.5  | 9.0                  | 0            | 67         | 252       | 8     | 700   | 3159   | 1            | 11.0        | 15.8                 | 1            | 66         | 255       | 6     |  |  |  |
| 850   | 1403   | 0            | -1.3  | 6.4                  | 0            | 13         | 287       | 1     | 850  | 1501        | 0            | 7.3   | 10.4                 | 0            | 53         | 242       | 5     | 850   | 1501   | 1            | 25.0        | 24.9                 | 2            | 20         | 342       | 1     |  |  |  |
| 1002  | * 84   |              | 4.2   | 5.7                  |              |            |           |       | 1003   | * 117       |              | 15.3  | 11.3                 |              |            |           |       | 967   | * 358  |              | 33.2        | 28.4                 |              |            |           |       |  |  |  |



# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>ASIA - SAUDI ARABIA<br/>TABUK</b><br>40375 MAY 2006 2823N 03636E OB 3               |        |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA<br/>HAIL</b><br>40394 MAY 2006 2726N 04141E OB 3                     |             |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA<br/>K.F.I.A. (KING FAHAD INT. AI</b><br>40417 MAY 2006 2627N 04949E OB 3 |        |              |             |                      |              |            |           |       |
| 030  | 23919  | 10           | -54.8 | 29.2                 | 9            | 89         | 93        | 7     | 030   | 23916       | 2            | -54.5 | 29.6                 | 2            | 89         | 90        | 7     | 030   | 23915  | 2            | -54.4       |                      | 2            | 91         | 92        | 8     |
| 050  | 20709  | 10           | -62.9 | 25.9                 | 9            | 76         | 115       | 5     | 050   | 20711       | 2            | -63.5 | 25.0                 | 2            | 76         | 105       | 5     | 050   | 20715  | 2            | -65.0       |                      | 2            | 84         | 100       | 6     |
| 100  | 16543  | 9            | -68.5 | 22.3                 | 9            | 95         | 237       | 17    | 100   | 16591       | 1            | -71.7 | 19.4                 | 1            | 93         | 225       | 17    | 100   | 16652  | 2            | -75.2       |                      | 2            | 91         | 205       | 11    |
| 150  | 14065  | 8            | -58.9 | 25.1                 | 8            | 97         | 242       | 34    | 150   | 14144       | 1            | -60.6 | 23.6                 | 1            | 97         | 241       | 32    | 150   | 14234  | 2            | -62.1       |                      | 2            | 91         | 235       | 18    |
| 200  | 12228  | 7            | -53.1 | 21.0                 | 7            | 97         | 245       | 34    | 200   | 12316       | 1            | -52.1 | 21.2                 | 1            | 97         | 243       | 34    | 200   | 12403  | 2            | -49.7       |                      | 2            | 94         | 247       | 21    |
| 300  | 9546   | 6            | -39.1 | 17.9                 | 6            | 94         | 245       | 20    | 300   | 9601        | 1            | -36.0 | 18.8                 | 1            | 96         | 247       | 25    | 300   | 9664   | 1            | -34.0       | 19.0                 | 1            | 91         | 255       | 16    |
| 500  | 5836   | 6            | -10.9 | 22.8                 | 7            | 91         | 238       | 11    | 500   | 5860        | 1            | -9.9  | 18.1                 | 1            | 94         | 243       | 14    | 500   | 5891   | 1            | -7.5        | 18.1                 | 1            | 88         | 255       | 9     |
| 700  | 3154   | 6            | 9.5   | 16.3                 | 7            | 77         | 222       | 7     | 700   | 3166        | 1            | 10.9  | 15.1                 | 2            | 62         | 206       | 5     | 700   | 3176   | 1            | 12.6        | 17.8                 | 1            | 79         | 287       | 8     |
| 850  | 1504   | 6            | 23.1  | 23.9                 | 7            | 29         | 303       | 2     | 850   | 1506        | 1            | 25.1  | 24.8                 | 2            | 28         | 118       | 2     | 850   | 1509   | 1            | 26.1        | 27.0                 | 1            | 76         | 326       | 6     |
| 924  | * 778  |              | 28.2  | 19.5                 |              |            |           |       | 900   | *1015       |              | 28.9  | 24.5                 |              |            |           |       | 1004  | * 22   |              | 34.4        | 28.2                 |              |            |           |       |
| <b>ASIA - SAUDI ARABIA<br/>AL-MADINAH</b><br>40430 MAY 2006 2433N 03942E OB 3          |        |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA<br/>KING KHALED INT. AIRPORT</b><br>40437 MAY 2006 2456N 04643E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA<br/>JEDDAH (KING ABDUL AZIZ INT.</b><br>41024 MAY 2006 2142N 03911E OB 3 |        |              |             |                      |              |            |           |       |
| 030  | 23896  | 6            | -54.3 | 31.1                 | 6            | 95         | 88        | 9     | 030   | 23902       | 4            | -54.6 | 28.9                 | 4            | 94         | 92        | 9     | 030   | 23882  | 4            | -54.6       | 29.4                 | 4            | 94         | 96        | 10    |
| 050  | 20687  | 6            | -63.8 | 26.4                 | 6            | 83         | 102       | 7     | 050   | 20702       | 4            | -64.5 | 23.3                 | 4            | 88         | 101       | 7     | 050   | 20683  | 2            | -64.4       | 23.7                 | 2            | 88         | 93        | 8     |
| 100  | 16595  | 5            | -74.5 | 17.7                 | 5            | 92         | 222       | 14    | 100   | 16634       | 4            | -75.8 | 14.8                 | 4            | 91         | 206       | 12    | 100   | 16620  | 3            | -76.9       | 14.6                 | 3            | 86         | 207       | 11    |
| 150  | 14169  | 4            | -61.6 | 22.2                 | 4            | 96         | 238       | 27    | 150   | 14223       | 2            | -62.5 | 20.2                 | 2            | 93         | 236       | 19    | 150   | 14223  | 2            | -63.6       | 18.8                 | 2            | 91         | 234       | 21    |
| 200  | 12345  | 4            | -52.1 | 21.4                 | 4            | 96         | 245       | 30    | 200   | 12398       | 1            | -50.2 | 23.0                 | 1            | 93         | 247       | 21    | 200   | 12406  | 1            | -51.3       | 21.9                 | 1            | 92         | 252       | 22    |
| 300  | 9628   | 3            | -35.3 | 17.8                 | 3            | 93         | 245       | 22    | 300   | 9663        | 1            | -34.3 | 18.0                 | 1            | 92         | 248       | 15    | 300   | 9674   | 1            | -34.1       | 17.1                 | 1            | 93         | 253       | 18    |
| 500  | 5870   | 3            | -8.4  | 19.3                 | 3            | 94         | 238       | 13    | 500   | 5892        | 0            | -8.4  | 10.9                 | 0            | 87         | 258       | 9     | 500   | 5899   | 1            | -8.0        | 13.7                 | 1            | 85         | 229       | 8     |
| 700  | 3163   | 3            | 11.7  | 17.4                 | 4            | 76         | 223       | 6     | 700   | 3181        | 0            | 12.9  | 16.0                 | 0            | 66         | 249       | 5     | 700   | 3185   | 1            | 12.7        | 15.8                 | 1            | 76         | 224       | 6     |
| 850  | 1499   | 3            | 25.6  | 24.5                 | 3            | 32         | 274       | 2     | 850   | 1510        | 0            | 27.2  | 26.3                 | 0            | 13         | 117       | 1     | 850   | 1518   | 1            | 25.5        | 24.2                 | 1            | 27         | 295       | 2     |
| 937  | * 654  |              | 32.9  | 28.6                 |              |            |           |       | 940   | * 614       |              | 33.9  | 28.8                 |              |            |           |       | 1006  | * 17   |              | 32.0        | 14.3                 |              |            |           |       |
| <b>ASIA - QATAR<br/>DOHA INTERNATIONAL AIRPORT</b><br>41170 MAY 2006 2515N 05134E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - OMAN<br/>SEEB, INT'L AIRPORT</b><br>41256 MAY 2006 2335N 05817E OB 1              |             |              |       |                      |              |            |           |       | <b>ASIA - OMAN<br/>SALALAH</b><br>41316 MAY 2006 1702N 05405E OB 3                              |        |              |             |                      |              |            |           |       |
| 030  | 23895  | 13           | -54.5 | 31.8                 | 9            | 93         | 85        | 9     | 030   | 23883       | 29           | -54.1 | 2.0                  |              |            |           |       | 030   | 23822  | 27           | -57.3       | 31.6                 | 9            | 99         | 89        | 13    |
| 050  | 20701  | 12           | -64.7 | 24.7                 | 9            | 94         | 81        | 8     | 050   | 20703       | 14           | -65.1 | 14.6                 | 9            | 90         | 80        | 10    | 050   | 20630  | 7            | -64.6       | 23.0                 | 9            | 92         | 90        | 11    |
| 100  | 16652  | 12           | -76.0 | 12.7                 | 9            | 90         | 181       | 9     | 100   | 16678       | 5            | -77.3 | 11.0                 | 5            | 75         | 140       | 10    | 100   | 16620  | 5            | -79.4       | 9.9                  | 5            | 92         | 110       | 12    |
| 150  | 14243  | 11           | -62.6 | 20.9                 | 9            | 90         | 226       | 11    | 150   | 14278       | 5            | -62.9 | 19.0                 | 5            | 47         | 210       | 9     | 150   | 14243  | 5            | -64.5       | 15.7                 | 6            | 45         | 107       | 4     |
| 200  | 12414  | 11           | -49.2 | 27.5                 | 9            | 90         | 240       | 13    | 200   | 12480       | 5            | -49.6 | 22.3                 | 5            | 43         | 270       | 10    | 200   | 12427  | 5            | -50.4       | 22.4                 | 6            | 26         | 308       | 3     |
| 300  | 9667   | 9            | -33.4 | 21.8                 | 9            | 89         | 260       | 11    | 300   | 9710        | 4            | -32.1 | 20.9                 | 4            | 23         | 320       | 13    | 300   | 9671   | 4            | -32.3       | 23.8                 | 4            | 38         | 351       | 3     |
| 500  | 5885   | 8            | -6.7  | 21.9                 | 8            | 87         | 278       | 6     | 500   | 5897        | 4            | -6.3  | 23.3                 | 4            | 38         | 50        | 6     | 500   | 5877   | 2            | -6.3        | 25.7                 | 3            | 86         | 52        | 7     |
| 700  | 3165   | 7            | 13.2  | 20.2                 | 7            | 90         | 312       | 10    | 700   | 3171        | 4            | 13.7  | 17.8                 | 4            | 50         | 300       | 7     | 700   | 3157   | 1            | 12.4        | 18.8                 | 2            | 79         | 26        | 7     |
| 850  | 1494   | 7            | 26.7  | 28.3                 | 7            | 93         | 330       | 10    | 850   | 1498        | 4            | 27.2  | 22.6                 | 4            | 75         | 280       | 5     | 850   | 1490   | 1            | 25.3        | 23.7                 | 2            | 12         | 160       | 1     |
| 1003   | * 11   |              | 31.3  | 17.3                 |              |            |           |       | 1003  | * 15        |              | 31.3  | 13.0                 |              |            |           |       | 1004  | * 23   |              | 28.0        | 4.0                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |   |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|---|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |   |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |   |
| <b>ASIA - BANGLADESH DHAKA</b><br>41923 MAY 2006 2346N 09023E OB / |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA SRINAGAR</b><br>42027 MAY 2006 3405N 07450E OB 3         |             |              |       |                      |              |            |           |       | <b>ASIA - INDIA NEW DELHI/SAFDARJUNG</b><br>42182 MAY 2006 2835N 07712E OB 3 |        |              |             |                      |              |            |           |       |   |
| 030  | 23899  | 17           | -54.2 |                      | 9            | 95         | 85        | 14    | 030  |             |              |       |                      |              |            |           |       |  | 030    |              |             |                      |              |            |           |       |   |
| 050  | 20698  | 16           | -65.8 |                      | 9            | 85         | 80        | 8     | 050  |             |              |       |                      |              |            |           |       |  | 050    |              |             |                      |              |            |           |       |   |
| 100  | 16664  | 16           | -76.2 |                      | 9            | 60         | 37        | 3     | 100  |             |              |       |                      |              |            |           |       |  | 100    | 16631        | 2           | -74.0                | 11.1         | 4          | 34        | 354   | 2 |
| 150  | 14263  | 16           | -63.6 |                      | 9            | 71         | 289       | 8     | 150  | 14052       | 8            | -61.5 |                      |              |            |           |       | 150  | 14274  | 0            | -60.3       | 14.3                 | 1            | 78         | 303       | 8     |   |
| 200  | 12444  | 16           | -50.4 |                      | 9            | 77         | 282       | 9     | 200  | 12290       | 2            | -53.6 |                      | 9            | 99         | 265       | 24    | 200  | 12434  | 0            | -49.9       | 14.0                 | 0            | 89         | 289       | 13    |   |
| 300  | 9669   | 16           | -28.9 | 19.2                 | 9            | 75         | 271       | 10    | 300  | 9547        | 1            | -36.8 | 5.2                  | 9            | 88         | 265       | 16    | 300  | 9629   | 0            | -33.2       | 15.9                 | 0            | 82         | 304       | 11    |   |
| 500  | 5833   | 16           | -5.7  | 13.0                 | 9            | 64         | 273       | 5     | 500  | 5816        | 1            | -9.3  | 9.5                  | 9            | 77         | 265       | 6     | 500  | 5868   | 0            | -6.7        | 17.2                 | 0            | 88         | 329       | 11    |   |
| 700  | 3114   | 16           | 10.3  | 8.4                  | 9            | 48         | 272       | 4     | 700  | 3117        | 1            | 11.0  | 9.8                  | 9            | 65         | 285       | 2     | 700  | 3123   | 0            | 11.9        | 11.5                 | 0            | 93         | 321       | 11    |   |
| 850  | 1470   | 16           | 19.9  | 7.6                  | 9            | 61         | 209       | 4     | 838  | *1587       |              | 20.3  | 8.5                  |              |            |           |       | 850  | 1436   | 0            | 24.7        | 14.1                 | 0            | 52         | 275       | 4     |   |
| 1005   | * 9    |              | 26.1  | 2.3                  |              |            |           |       |  |             |              |       |                      |              |            |           |       | 968  | * 216  |              | 32.8        | 14.9                 |              |            |           |       |   |
| <b>ASIA - INDIA JODHPUR</b><br>42339 MAY 2006 2618N 07301E OB 3    |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA LUCKNOW/AMAUSI</b><br>42369 MAY 2006 2645N 08053E OB 3   |             |              |       |                      |              |            |           |       | <b>ASIA - INDIA GUWAHATI</b><br>42410 MAY 2006 2606N 09135E OB 3             |        |              |             |                      |              |            |           |       |   |
| 030  |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       |  | 030    |              |             |                      |              |            |           |       |   |
| 050  |        |              |       |                      |              |            |           |       | 050  |             |              |       |                      |              |            |           |       |  | 050    | 20654        | 8           | -55.9                |              | 8          | 78        | 88    | 5 |
| 100  |        |              |       |                      |              |            |           |       | 100  |             |              |       |                      |              |            |           |       |  | 100    | 16500        | 0           | -77.6                |              | 0          | 53        | 28    | 4 |
| 150  | 14145  | 9            | -73.6 | 11.8                 | 9            | 52         | 11        | 3     | 150  |             |              |       |                      |              |            |           |       | 150  | 14113  | 0            | -64.7       |                      | 0            | 86         | 286       | 11    |   |
| 200  | 12314  | 9            | -51.6 | 14.9                 | 9            | 78         | 262       | 9     | 200  | 12347       | 9            | -53.6 | 23.3                 | 9            | 75         | 273       | 10    | 200  | 12318  | 0            | -52.7       |                      | 0            | 91         | 271       | 16    |   |
| 300  | 9577   | 7            | -32.2 | 18.1                 | 7            | 77         | 270       | 9     | 300  | 9520        | 9            | -33.5 | 19.4                 | 9            | 79         | 282       | 13    | 300  | 9556   | 0            | -32.4       |                      | 0            | 72         | 270       | 11    |   |
| 500  | 5802   | 6            | -8.4  | 21.7                 | 6            | 59         | 331       | 4     | 500  | 5778        | 8            | -8.4  | 17.4                 | 8            | 72         | 312       | 8     | 500  | 5767   | 0            | -7.0        | 10.4                 | 0            | 65         | 276       | 5     |   |
| 700  | 3102   | 4            | 11.6  | 17.7                 | 4            | 19         | 280       | 1     | 700  | 3062        | 3            | 9.5   | 10.8                 | 3            | 96         | 316       | 13    | 700  | 3066   | 0            | 7.9         | 5.8                  | 0            | 60         | 256       | 5     |   |
| 850  | 1448   | 4            | 23.8  | 17.2                 | 4            | 92         | 239       | 8     | 850  | 1440        | 0            | 21.5  | 10.1                 | 0            | 38         | 298       | 2     | 850  | 1438   | 0            | 17.5        | 4.5                  | 0            | 50         | 238       | 3     |   |
| 976  | * 224  |              | 35.1  | 18.8                 |              |            |           |       | 987  | * 128       |              | 31.0  | 8.7                  |              |            |           |       | 999  | * 54   |              | 26.2        | 5.2                  |              |            |           |       |   |
| <b>ASIA - INDIA AHMADABAD</b><br>42647 MAY 2006 2304N 07238E OB 3  |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA CALCUTTA/DUM DUM</b><br>42809 MAY 2006 2239N 08827E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - INDIA NAGPUR SONEGAON</b><br>42867 MAY 2006 2106N 07903E OB 3      |        |              |             |                      |              |            |           |       |   |
| 030  |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       |  | 030    |              |             |                      |              |            |           |       |   |
| 050  | 20980  | 7            | -52.6 |                      | 9            | 91         | 87        | 9     | 050  |             | 9            | -56.6 |                      | 9            | 97         | 91        | 9     | 050  |        |              |             |                      |              |            |           |       |   |
| 100  | 16721  | 3            | -73.0 |                      | 5            | 93         | 90        | 11    | 100  | 16572       | 3            | -79.5 |                      | 3            | 87         | 76        | 8     | 100  |        |              |             |                      |              |            |           |       |   |
| 150  | 14299  | 1            | -61.4 |                      | 3            | 23         | 179       | 7     | 150  | 14192       | 1            | -65.4 |                      | 1            | 50         | 307       | 4     | 150  |        |              |             |                      |              |            |           |       |   |
| 200  | 12467  | 1            | -49.9 |                      | 3            | 52         | 242       | 9     | 200  | 12395       | 0            | -50.9 |                      | 0            | 79         | 265       | 10    | 200  |        |              |             |                      |              |            |           |       |   |
| 300  | 9707   | 1            | -29.9 | 15.0                 | 2            | 88         | 252       | 10    | 300  | 9626        | 0            | -29.5 | 15.1                 | 0            | 89         | 269       | 11    | 300  |        |              |             |                      |              |            |           |       |   |
| 500  | 5883   | 1            | -4.3  | 18.3                 | 1            | 52         | 339       | 7     | 500  | 5797        | 0            | -5.5  | 13.7                 | 0            | 60         | 298       | 5     | 500  | 5817   | 9            | -6.8        | 13.2                 | 9            | 62         | 357       | 4     |   |
| 700  | 3146   | 1            | 14.3  | 16.5                 | 1            | 52         | 289       | 7     | 700  | 3084        | 0            | 10.9  | 9.7                  | 0            | 69         | 303       | 5     | 700  | 3120   | 5            | 11.8        | 8.9                  | 6            | 70         | 334       | 5     |   |
| 850  | 1477   | 1            | 26.0  | 14.2                 | 1            | 89         | 269       | 8     | 850  | 1457        | 0            | 20.8  | 7.7                  | 0            | 68         | 224       | 4     | 850  | 1437   | 5            | 23.6        | 12.1                 | 5            | 73         | 307       | 6     |   |
| 997  | * 55   |              | 34.1  | 13.3                 |              |            |           |       | 1002   | * 6         |              | 29.6  | 4.8                  |              |            |           |       | 968  | * 310  |              | 33.0        | 15.8                 |              |            |           |       |   |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |     |     |    |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|-----|----|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |     |    |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |     |    |
| <b>ASIA - INDIA<br/>BHUBANESHWAR</b><br>42971 MAY 2006 2015N 08550E OB 3               |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>BOMBAY / SANTACRUZ</b><br>43003 MAY 2006 1907N 07251E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>HYDERABAD AIRPORT</b><br>43128 MAY 2006 1727N 07828E OB 3   |        |              |             |                      |              |            |           |       |     |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |           |       |     |     |    |
| 050  |        |              |       |                      |              |            |           |       | 050  | 20762       | 6            | -57.8 | 13.4                 |              | 6          | 87        | 90    | 11  | 050    |              |             |                      |              |            |           |       |     |     |    |
| 100  | 16581  | 6            | -80.9 |                      |              |            |           |       | 100  | 16564       | 4            | -78.3 | 9.9                  |              | 4          | 87        | 89    | 11  | 100    | 16510        | 3           | -58.3                |              |            |           | 9     | 98  | 96  | 19 |
| 150  | 14229  | 0            | -65.9 |                      | 4            | 2          | 109       | 1     | 150  | 14226       | 2            | -64.4 | 11.7                 |              | 2          | 50        | 128   | 4   | 150    | 14168        | 3           | -68.1                |              |            |           | 6     | 77  | 96  | 6  |
| 200  | 12419  | 0            | -50.7 |                      | 0            | 61         | 246       | 6     | 200  | 12409       | 1            | -51.1 | 13.1                 |              | 1          | 56        | 217   | 5   | 200    | 12389        | 2           | -54.0                |              |            |           | 3     | 43  | 191 | 2  |
| 300  | 9656   | 0            | -29.3 | 13.9                 | 0            | 74         | 274       | 7     | 300  | 9652        | 1            | -29.5 | 17.3                 |              | 1          | 73        | 233   | 6   | 300    | 9659         | 2           | -31.7                | 13.7         |            |           | 2     | 33  | 231 | 2  |
| 500  | 5821   | 0            | -5.7  | 11.0                 | 0            | 56         | 319       | 4     | 500  | 5815        | 1            | -4.8  | 19.7                 |              | 1          | 47        | 358   | 3   | 500    | 5843         | 1           | -5.0                 | 12.4         |            |           | 1     | 50  | 357 | 3  |
| 700  | 3101   | 0            | 11.3  | 9.7                  | 0            | 69         | 347       | 5     | 700  | 3103        | 1            | 10.9  | 14.2                 |              | 1          | 42        | 335   | 3   | 700    | 3132         | 1           | 11.9                 | 7.9          |            |           | 1     | 56  | 28  | 4  |
| 850  | 1450   | 0            | 22.6  | 9.2                  | 0            | 48         | 267       | 2     | 850  | 1458        | 1            | 21.1  | 13.6                 |              | 1          | 57        | 357   | 4   | 850    | 1474         | 1           | 24.5                 | 11.0         |            |           | 1     | 41  | 310 | 3  |
| 998  | * 46   |              | 29.8  | 4.7                  |              |            |           |       | 1003   | * 14        |              | 29.9  | 5.4                  |              |            |           |       |   | 944    | * 545        |             | 31.5                 | 12.3         |            |           |       |     |     |    |
| <b>ASIA - INDIA<br/>CWC VISHAKHAPATNAM/WALTAIR</b><br>43150 MAY 2006 1742N 08318E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>GOA/PANJIM</b><br>43192 MAY 2006 1529N 07349E OB 3         |             |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>CHENNAI/MINAMBAKKAM</b><br>43279 MAY 2006 1300N 08011E OB 3 |        |              |             |                      |              |            |           |       |     |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |           |       |     |     |    |
| 050  | 20705  | 10           | -57.4 |                      | 9            | 94         | 81        | 11    | 050  |             |              |       |                      |              |            |           |       | 050   |        |              |             |                      |              |            |           |       |     |     |    |
| 100  | 16553  | 7            | -80.8 |                      | 8            | 96         | 75        | 15    | 100  |             |              |       |                      |              |            |           |       | 100   |        |              |             |                      |              |            |           |       |     |     |    |
| 150  | 14193  | 3            | -66.3 | 7.8                  | 5            | 65         | 93        | 8     | 150  |             |              |       |                      |              |            |           |       | 150   | 14146  | 2            | -69.3       |                      |              |            | 9         | 88    | 95  | 12  |    |
| 200  | 12401  | 2            | -52.0 | 10.3                 | 5            | 37         | 189       | 6     | 200  |             |              |       |                      |              |            |           |       | 200   | 12372  | 0            | -54.4       |                      |              |            | 9         | 84    | 112 | 8   |    |
| 300  | 9642   | 2            | -29.6 | 13.5                 | 3            | 42         | 247       | 6     | 300  |             |              |       |                      |              |            |           |       | 300   | 9642   | 0            | -31.0       | 14.7                 |              |            | 7         | 61    | 94  | 4   |    |
| 500  | 5802   | 1            | -5.0  | 11.0                 | 3            | 60         | 328       | 7     | 500  | 5822        | 10           | -6.0  | 11.8                 |              | 9          | 57        | 48    | 3   | 500    | 5818         | 0           | -5.0                 | 16.0         |            |           | 3     | 40  | 24  | 5  |
| 700  | 3086   | 0            | 11.6  | 9.5                  | 1            | 62         | 346       | 7     | 700  | 3118        | 4            | 9.9   | 6.4                  |              | 5          | 64        | 56    | 4   | 700    | 3107         | 0           | 10.6                 | 12.5         |            |           | 2     | 53  | 14  | 7  |
| 850  | 1435   | 0            | 22.2  | 6.7                  | 0            | 57         | 268       | 6     | 850  | 1476        | 4            | 21.0  | 8.7                  |              | 5          | 78        | 325   | 5   | 850    | 1462         | 0           | 21.6                 | 2.6          |            |           | 1     | 61  | 274 | 5  |
| 996  | * 66   |              | 29.6  | 3.7                  |              |            |           |       | 999  | * 60        |              | 28.7  | 3.6                  |              |            |           |       |   | 1002   | * 16         |             | 30.9                 | 6.1          |            |           |       |     |     |    |
| <b>ASIA - INDIA<br/>MANGALORE/PANAMBUR</b><br>43285 MAY 2006 1257N 07450E OB 3         |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>PORT BLAIR</b><br>43333 MAY 2006 1140N 09243E OB 3         |             |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>KOCHIN/WILLINGDON</b><br>43353 MAY 2006 0957N 07616E OB 3   |        |              |             |                      |              |            |           |       |     |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030  | 23988       | 10           | -46.0 |                      |              | 9          | 73        | 104   | 5   | 030    |              |             |                      |              |            |           |       |     |     |    |
| 050  |        |              |       |                      |              |            |           |       | 050  | 20558       | 3            | -57.0 |                      |              | 3          | 92        | 100   | 10  | 050    |              |             |                      |              |            |           |       |     |     |    |
| 100  |        |              |       |                      |              |            |           |       | 100  | 16459       | 0            | -78.9 |                      |              | 0          | 97        | 93    | 17  | 100    |              |             |                      |              |            |           |       |     |     |    |
| 150  | 14219  | 5            | -68.1 |                      |              |            |           |       | 150  | 14073       | 0            | -71.8 |                      |              | 0          | 91        | 89    | 14  | 150    |              |             |                      |              |            |           |       |     |     |    |
| 200  | 12433  | 4            | -52.8 |                      |              |            |           |       | 200  | 12359       | 0            | -56.7 |                      |              | 0          | 82        | 93    | 11  | 200    |              |             |                      |              |            |           |       |     |     |    |
| 300  | 9682   | 2            | -29.8 | 14.7                 |              |            |           |       | 300  | 9650        | 0            | -32.0 | 8.3                  |              | 0          | 59        | 107   | 4   | 300    | 9653         | 10          | -32.3                | 12.7         |            |           |       |     |     |    |
| 500  | 5839   | 0            | -4.6  | 11.0                 |              |            |           |       | 500  | 5847        | 0            | -5.4  | 8.3                  |              | 0          | 67        | 247   | 4   | 500    | 5834         | 3           | -5.4                 | 9.9          |            |           |       |     |     |    |
| 700  | 3125   | 0            | 10.7  | 7.6                  |              |            |           |       | 700  | 3129        | 0            | 9.5   | 6.4                  |              | 0          | 70        | 266   | 5   | 700    | 3102         | 1           | 10.2                 | 6.9          |            |           |       |     |     |    |
| 850  | 1483   | 0            | 19.6  | 5.5                  | 2            | 73         | 323       | 4     | 850  | 1487        | 0            | 18.6  | 4.0                  |              | 0          | 85        | 265   | 7   | 850    | 1483         | 1           | 19.0                 | 2.6          |            |           |       |     |     |    |
| 1004   | * 32   |              | 28.4  | 3.9                  |              |            |           |       | 998  | * 79        |              | 26.6  | 2.5                  |              |            |           |       |   | 1008   | * 3          |             | 28.1                 | 3.7          |            |           |       |     |     |    |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |    |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|----|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |    |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |    |
| <b>ASIA - INDIA</b><br><b>MINICOY</b><br>43369 MAY 2006 0818N 07309E OB 3                 |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA</b><br><b>THIRUVANANTHAPURAM</b><br>43371 MAY 2006 0829N 07657E OB 3  |             |              |       |                      |              |            |           |       | <b>ASIA - HONG KONG, CHINA</b><br><b>KOWLOON</b><br>45004 MAY 2006 2219N 11410E OB 1 |        |              |             |                      |              |            |           |       |    |
| 030   |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       | 030  | 23867  | 6            | -54.8       | 27.1                 | 6            | 96         | 99        | 13    |    |
| 050   |        |              |       |                      |              |            |           |       | 050   |             |              |       |                      |              |            |           |       | 050  | 20670  | 1            | -64.3       | 22.2                 | 2            | 95         | 88        | 8     |    |
| 100   |        |              |       |                      |              |            |           |       | 100   | 16406       | 7            | -80.6 |                      |              | 9          | 96        | 90    | 16   | 100    | 16637        | 1           | -77.2                | 13.6         | 1          | 45        | 356   | 3  |
| 150   |        |              |       |                      |              |            |           |       | 150   | 14096       | 11           | -73.0 |                      |              |            |           |       | 150  | 14256  | 1            | -65.9       | 12.2                 | 2            | 74         | 288       | 10    |    |
| 200   | 12339  | 9            | -55.3 |                      |              |            |           |       | 200   | 12375       | 2            | -56.9 |                      |              | 3          | 85        | 88    | 8  | 200    | 12454        | 0           | -52.1                | 12.4         | 2          | 79        | 280   | 12 |
| 300   | 9640   | 5            | -31.2 | 14.9                 |              |            |           |       | 300   | 9658        | 2            | -31.7 | 11.0                 |              | 2          | 60        | 37    | 3  | 300    | 9698         | 0           | -29.7                | 12.5         | 1          | 82        | 273   | 10 |
| 500   | 5820   | 4            | -8.1  | 34.9                 | 9            | 21         | 306       | 8     | 500   | 5837        | 1            | -4.7  | 9.3                  |              | 1          | 31        | 311   | 2  | 500    | 5861         | 0           | -5.3                 | 10.8         | 1          | 75        | 252   | 7  |
| 700   | 3116   | 4            | 9.2   | 8.6                  | 6            | 18         | 11        | 6     | 700   | 3117        | 1            | 10.7  | 5.3                  |              | 1          | 52        | 311   | 5  | 700    | 3143         | 0           | 9.8                  | 8.8          | 0          | 62        | 232   | 6  |
| 850   | 1483   | 4            | 18.1  | 6.2                  | 6            | 64         | 297       | 5     | 850   | 1476        | 1            | 19.3  | 2.4                  |              | 1          | 90        | 296   | 9  | 850    | 1502         | 0           | 17.5                 | 5.2          | 0          | 50        | 199   | 5  |
| 1008  | * 2    |              | 27.9  | 2.4                  |              |            |           |       | 1001  | * 64        |              | 28.1  | 3.7                  |              |            |           |       | 1003   | * 66   |              | 24.3        | 2.4                  |              |            |           |       |    |
| <b>ASIA - REPUBLIC OF KOREA</b><br><b>BAENGNYEONGDO</b><br>47102 MAY 2006 3758N 12430E OB |        |              |       |                      |              |            |           |       | <b>ASIA - REPUBLIC OF KOREA</b><br><b>OSAN AB</b><br>47122 MAY 2006 3706N 12700E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - REPUBLIC OF KOREA</b><br><b>POHANG</b><br>47138 MAY 2006 3602N 12920E OB 3 |        |              |             |                      |              |            |           |       |    |
| 030   | 23938  | 0            | -52.6 |                      | 0            | 4          | 159       |       | 030   | 23954       | 1            | -52.5 | 22.0                 |              | 1          | 6         | 6     | 030  | 23944  | 0            | -53.2       |                      | 0            | 25         | 98        | 1     |    |
| 050   | 20685  | 0            | -59.8 |                      | 0            | 65         | 254       | 4     | 050   | 20696       | 0            | -60.0 | 18.7                 |              | 1          | 84        | 270   | 5  | 050    | 20698        | 0           | -60.3                |              | 0          | 64        | 253   | 4  |
| 100   | 16417  | 0            | -62.6 |                      | 0            | 95         | 266       | 23    | 100   | 16436       | 0            | -63.5 | 17.6                 |              | 0          | 96        | 272   | 23   | 100    | 16460        | 0           | -64.8                |              | 0          | 95        | 271   | 22 |
| 150   | 13885  | 0            | -57.4 |                      | 0            | 95         | 265       | 34    | 150   | 13914       | 0            | -58.2 | 16.9                 |              | 0          | 96        | 269   | 36   | 150    | 13952        | 0           | -58.8                |              | 0          | 95        | 270   | 36 |
| 200   | 12060  | 0            | -54.9 |                      | 0            | 92         | 261       | 37    | 200   | 12091       | 0            | -54.1 | 15.4                 |              | 0          | 93        | 265   | 38   | 200    | 12132        | 0           | -54.1                |              | 0          | 94        | 264   | 39 |
| 300   | 9388   | 0            | -39.5 | 12.3                 | 0            | 88         | 261       | 24    | 300   | 9408        | 0            | -38.0 | 14.2                 |              | 0          | 87        | 263   | 27   | 300    | 9444         | 0           | -37.5                | 11.8         | 0          | 90        | 262   | 29 |
| 500   | 5703   | 0            | -14.2 | 23.6                 | 0            | 77         | 273       | 11    | 500   | 5697        | 0            | -13.3 | 17.1                 |              | 0          | 81        | 277   | 13   | 500    | 5724         | 0           | -12.5                | 22.1         | 0          | 80        | 267   | 15 |
| 700   | 3068   | 0            | 2.4   | 23.0                 | 0            | 59         | 290       | 6     | 700   | 3056        | 0            | 2.7   | 14.7                 |              | 0          | 66        | 286   | 7  | 700    | 3077         | 0           | 2.8                  | 20.7         | 0          | 56        | 280   | 6  |
| 850   | 1473   | 0            | 11.3  | 18.2                 | 0            | 29         | 290       | 3     | 850   | 1464        | 0            | 10.5  | 11.0                 |              | 0          | 36        | 257   | 3  | 850    | 1482         | 0           | 10.4                 | 13.4         | 0          | 20        | 290   | 2  |
| 993   | * 158  |              | 13.3  | 4.8                  |              |            |           |       | 1005  | * 52        |              | 17.1  | 6.5                  |              |            |           |       | 1013   | * 4    |              | 16.4        | 5.8                  |              |            |           |       |    |
| <b>ASIA - REPUBLIC OF KOREA</b><br><b>GWANGJU AB</b><br>47158 MAY 2006 3507N 12640E OB 3  |        |              |       |                      |              |            |           |       | <b>ASIA - REPUBLIC OF KOREA</b><br><b>GOSAN</b><br>47185 MAY 2006 3317N 12610E OB 3   |             |              |       |                      |              |            |           |       | <b>ASIA - JAPAN</b><br><b>WAKKANAI</b><br>47401 MAY 2006 4525N 14140E OB 2           |        |              |             |                      |              |            |           |       |    |
| 030   | 23955  | 2            | -52.8 | 26.9                 | 2            | 37         | 84        | 2     | 030   | 23947       | 0            | -53.4 |                      |              | 0          | 59        | 92    | 3  | 030    | 23958        | 3           | -52.3                |              | 3          | 18        | 196   | 1  |
| 050   | 20706  | 1            | -60.3 | 22.6                 | 1            | 73         | 275       | 3     | 050   | 20713       | 0            | -61.4 |                      |              | 0          | 40        | 269   | 2  | 050    | 20674        | 2           | -55.0                |              | 2          | 75        | 250   | 5  |
| 100   | 16481  | 0            | -65.7 | 20.5                 | 0            | 95         | 272       | 23    | 100   | 16529       | 0            | -67.9 |                      |              | 0          | 94        | 272   | 21   | 100    | 16278        | 0           | -55.3                |              | 0          | 93        | 268   | 18 |
| 150   | 13983  | 0            | -59.7 | 20.4                 | 0            | 96         | 270       | 36    | 150   | 14052       | 0            | -60.8 |                      |              | 0          | 96        | 271   | 36   | 150    | 13674        | 0           | -52.1                |              | 1          | 93        | 268   | 25 |
| 200   | 12164  | 0            | -53.8 | 19.6                 | 0            | 94         | 266       | 38    | 200   | 12239       | 0            | -53.9 |                      |              | 0          | 95        | 264   | 41   | 200    | 11813        | 0           | -52.8                |              | 1          | 90        | 272   | 32 |
| 300   | 9465   | 0            | -36.4 | 18.1                 | 0            | 90         | 262       | 28    | 300   | 9526        | 0            | -34.6 | 14.0                 |              | 0          | 92        | 262   | 30   | 300    | 9163         | 0           | -44.5                |              | 1          | 80        | 278   | 26 |
| 500   | 5726   | 0            | -11.2 | 22.2                 | 0            | 83         | 264       | 14    | 500   | 5765        | 0            | -9.5  | 20.0                 |              | 0          | 87        | 259   | 16   | 500    | 5572         | 0           | -20.5                | 11.5         | 1          | 71        | 279   | 13 |
| 700   | 3071   | 0            | 4.1   | 18.6                 | 0            | 58         | 284       | 6     | 700   | 3093        | 0            | 5.3   | 21.1                 |              | 0          | 61        | 269   | 7  | 700    | 3000         | 0           | -4.5                 | 9.0          | 1          | 67        | 285   | 9  |
| 850   | 1471   | 0            | 11.5  | 10.4                 | 0            | 17         | 270       | 2     | 850   | 1483        | 0            | 12.7  | 12.6                 |              | 0          | 20        | 257   | 2  | 850    | 1442         | 0           | 5.2                  | 9.1          | 1          | 52        | 263   | 6  |
| 1011  | * 13   |              | 16.9  | 3.9                  |              |            |           |       | 1004  | * 73        |              | 16.1  | 5.3                  |              |            |           |       | 1011   | * 12   |              | 8.5         | 3.3                  |              |            |           |       |    |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>ASIA - JAPAN SAPPORO</b><br>47412 MAY 2006 4304N 14120E OB 2   |        |              |       |                      |              |            |           |       | <b>ASIA - JAPAN NEMURO</b><br>47420 MAY 2006 4320N 14530E OB 2 |             |              |       |                      |              |            |           |       | <b>ASIA - JAPAN AKITA</b><br>47582 MAY 2006 3943N 14000E OB 2        |        |              |             |                      |              |            |           |       |
| 030   | 23951  | 2            | -52.8 |                      | 2            | 20         | 284       | 1     | 030  | 23955       | 7            | -52.8 |                      | 7            | 20         | 310       | 1     | 030  | 23962  | 7            | -53.2       |                      | 7            | 21         | 297       | 1     |
| 050   | 20681  | 1            | -56.4 |                      | 2            | 82         | 260       | 5     | 050  | 20691       | 1            | -56.2 |                      | 2            | 64         | 255       | 4     | 050  | 20698  | 5            | -58.0       |                      | 6            | 84         | 268       | 5     |
| 100   | 16322  | 0            | -57.7 |                      | 1            | 93         | 268       | 20    | 100  | 16325       | 0            | -57.5 |                      | 0            | 92         | 268       | 19    | 100  | 16397  | 0            | -60.9       |                      | 0            | 94         | 270       | 21    |
| 150   | 13741  | 0            | -54.0 |                      | 0            | 93         | 268       | 29    | 150  | 13744       | 0            | -53.7 |                      | 0            | 91         | 268       | 28    | 150  | 13857  | 0            | -58.0       |                      | 0            | 95         | 269       | 35    |
| 200   | 11893  | 0            | -53.3 |                      | 0            | 87         | 269       | 37    | 200  | 11894       | 0            | -52.8 |                      | 0            | 90         | 269       | 37    | 200  | 12033  | 0            | -54.3       |                      | 0            | 90         | 266       | 41    |
| 300   | 9229   | 0            | -42.4 |                      | 0            | 82         | 269       | 27    | 300  | 9228        | 0            | -42.0 |                      | 0            | 85         | 266       | 31    | 300  | 9354   | 0            | -39.3       | 9.3                  | 0            | 89         | 266       | 32    |
| 500   | 5605   | 0            | -18.5 | 15.3                 | 0            | 75         | 271       | 13    | 500  | 5599        | 0            | -18.6 | 15.2                 | 0            | 77         | 264       | 16    | 500  | 5671   | 0            | -15.2       | 13.2                 | 0            | 82         | 265       | 17    |
| 700   | 3019   | 0            | -3.0  | 14.4                 | 0            | 58         | 275       | 7     | 700  | 3015        | 0            | -3.6  | 12.3                 | 0            | 58         | 271       | 8     | 700  | 3053   | 0            | -.5         | 12.4                 | 0            | 80         | 264       | 11    |
| 850   | 1455   | 0            | 5.7   | 8.9                  | 0            | 42         | 249       | 5     | 850  | 1456        | 0            | 5.1   | 7.8                  | 0            | 51         | 278       | 6     | 850  | 1478   | 0            | 7.5         | 8.6                  | 0            | 71         | 249       | 6     |
| 1010  | * 26   |              | 12.2  | 8.1                  |              |            |           |       | 1010   | * 39        |              | 6.9   | 2.3                  |              |            |           |       | 1014   | * 7    |              | 14.7        | 4.8                  |              |            |           |       |
| <b>ASIA - JAPAN SENDAI</b><br>47590 MAY 2006 3816N 14050E OB 2    |        |              |       |                      |              |            |           |       | <b>ASIA - JAPAN WAJIMA</b><br>47600 MAY 2006 3724N 13650E OB 2 |             |              |       |                      |              |            |           |       | <b>ASIA - JAPAN TATENO</b><br>47646 MAY 2006 3603N 14000E OB 2       |        |              |             |                      |              |            |           |       |
| 030   | 23953  | 4            | -53.5 |                      | 4            | 16         | 59        | 1     | 030  | 23955       | 4            | -53.4 |                      | 4            | 11         | 14        | 1     | 030  | 23948  | 6            | -53.9       |                      | 8            | 49         | 59        | 2     |
| 050   | 20700  | 2            | -58.7 |                      | 2            | 70         | 263       | 4     | 050  | 20704       | 2            | -59.3 |                      | 2            | 81         | 254       | 5     | 050  | 20708  | 5            | -59.9       |                      | 5            | 60         | 274       | 3     |
| 100   | 16429  | 0            | -63.0 |                      | 0            | 92         | 272       | 20    | 100  | 16447       | 0            | -63.7 |                      | 0            | 95         | 273       | 22    | 100  | 16473  | 0            | -65.7       |                      | 0            | 94         | 275       | 20    |
| 150   | 13910  | 0            | -59.0 |                      | 0            | 94         | 270       | 37    | 150  | 13935       | 0            | -59.3 |                      | 0            | 94         | 270       | 35    | 150  | 13984  | 0            | -60.9       |                      | 0            | 94         | 273       | 34    |
| 200   | 12095  | 0            | -55.0 |                      | 0            | 92         | 266       | 43    | 200  | 12119       | 0            | -54.4 |                      | 0            | 93         | 266       | 41    | 200  | 12179  | 0            | -55.1       |                      | 0            | 93         | 267       | 40    |
| 300   | 9409   | 0            | -37.4 | 9.2                  | 0            | 90         | 263       | 36    | 300  | 9429        | 0            | -36.9 | 9.4                  | 0            | 92         | 263       | 35    | 300  | 9481   | 0            | -36.3       | 7.4                  | 0            | 93         | 264       | 31    |
| 500   | 5701   | 0            | -13.9 | 16.3                 | 0            | 86         | 261       | 19    | 500  | 5712        | 0            | -13.3 | 17.8                 | 0            | 85         | 268       | 18    | 500  | 5745   | 0            | -11.4       | 13.9                 | 0            | 92         | 261       | 20    |
| 700   | 3070   | 0            | 1.3   | 14.6                 | 0            | 85         | 264       | 11    | 700  | 3075        | 0            | 1.5   | 12.3                 | 0            | 68         | 255       | 9     | 700  | 3092   | 0            | 2.9         | 12.5                 | 0            | 76         | 257       | 9     |
| 850   | 1486   | 0            | 8.6   | 6.4                  | 0            | 64         | 252       | 6     | 850  | 1486        | 0            | 9.8   | 10.4                 | 0            | 68         | 240       | 7     | 850  | 1497   | 0            | 10.5        | 5.4                  | 0            | 46         | 230       | 3     |
| 1010  | * 44   |              | 14.7  | 4.1                  |              |            |           |       | 1013   | * 15        |              | 15.2  | 3.9                  |              |            |           |       | 1012   | * 31   |              | 16.5        | 3.4                  |              |            |           |       |
| <b>ASIA - JAPAN HACHUJIMA</b><br>47678 MAY 2006 3307N 13940E OB 2 |        |              |       |                      |              |            |           |       | <b>ASIA - JAPAN YONAGO</b><br>47744 MAY 2006 3526N 13320E OB 2 |             |              |       |                      |              |            |           |       | <b>ASIA - JAPAN SHIONOMISAKI</b><br>47778 MAY 2006 3327N 13540E OB 2 |        |              |             |                      |              |            |           |       |
| 030   | 23945  | 12           | -53.9 |                      |              |            |           |       | 030  | 23953       | 7            | -53.3 |                      | 8            | 24         | 30        | 1     | 030  |        |              |             |                      |              |            |           |       |
| 050   | 20714  | 10           | -60.5 |                      | 9            | 43         | 354       | 2     | 050  | 20709       | 4            | -60.3 |                      | 6            | 76         | 257       | 4     | 050  | 20707  | 9            | -60.5       |                      |              |            |           |       |
| 100   | 16532  | 2            | -68.6 |                      | 2            | 90         | 285       | 16    | 100  | 16490       | 0            | -66.7 |                      | 1            | 94         | 273       | 22    | 100  | 16524  | 0            | -68.4       |                      | 0            | 93         | 275       | 19    |
| 150   | 14076  | 0            | -63.2 |                      | 0            | 93         | 277       | 30    | 150  | 13998       | 0            | -59.8 |                      | 0            | 95         | 270       | 35    | 150  | 14063  | 0            | -62.7       |                      | 0            | 94         | 273       | 32    |
| 200   | 12282  | 0            | -55.5 |                      | 0            | 93         | 273       | 34    | 200  | 12187       | 0            | -54.8 |                      | 0            | 92         | 265       | 41    | 200  | 12265  | 0            | -54.9       |                      | 0            | 91         | 269       | 36    |
| 300   | 9574   | 0            | -34.0 | 7.1                  | 0            | 92         | 264       | 27    | 300  | 9488        | 0            | -35.9 | 8.1                  | 0            | 92         | 264       | 32    | 300  | 9553   | 0            | -34.3       | 6.0                  | 0            | 93         | 264       | 29    |
| 500   | 5805   | 0            | -9.0  | 16.3                 | 0            | 88         | 261       | 17    | 500  | 5746        | 0            | -10.7 | 17.3                 | 0            | 88         | 263       | 19    | 500  | 5787   | 0            | -9.1        | 15.9                 | 0            | 90         | 262       | 18    |
| 700   | 3124   | 0            | 5.6   | 15.8                 | 0            | 85         | 253       | 11    | 700  | 3087        | 0            | 3.6   | 12.8                 | 0            | 68         | 268       | 8     | 700  | 3111   | 0            | 5.3         | 12.8                 | 0            | 78         | 252       | 10    |
| 850   | 1511   | 0            | 13.0  | 10.3                 | 0            | 68         | 247       | 7     | 850  | 1487        | 0            | 11.0  | 5.6                  | 1            | 63         | 234       | 6     | 850  | 1502   | 0            | 12.5        | 6.3                  | 0            | 39         | 229       | 3     |
| 996   | * 156  |              | 18.5  | 2.2                  |              |            |           |       | 1012   | * 9         |              | 17.3  | 4.3                  |              |            |           |       | 1005   | * 76   |              | 18.5        | 3.4                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |     |    |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |    |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |    |
| <b>ASIA - JAPAN FUKUOKA</b><br>47807 MAY 2006 3335N 13020E OB 2      |        |              |       |                      |              |            |           |       | <b>ASIA - JAPAN KAGOSHIMA</b><br>47827 MAY 2006 3133N 13030E OB 2       |             |              |       |                      |              |            |           |       | <b>ASIA - JAPAN NAZE/FUNCHATOGE</b><br>47909 MAY 2006 2824N 12930E OB 2 |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23945  | 6            | -53.5 |                      | 6            | 34         | 66        | 1     | 030   | 23933       | 7            | -54.3 |                      |              | 8          | 68        | 70    | 3   | 030    | 23918        | 6           | -54.7                |              |            | 6         | 92    | 83  | 6  |
| 050  | 20712  | 4            | -60.8 |                      | 5            | 69         | 265       | 3     | 050   | 20712       | 6            | -62.3 |                      |              | 6          | 21        | 261   | 1   | 050    | 20710        | 4           | -63.2                |              |            | 4         | 63    | 86  | 3  |
| 100  | 16524  | 0            | -68.2 |                      | 0            | 95         | 273       | 21    | 100   | 16557       | 0            | -70.6 |                      |              | 0          | 93        | 275   | 18  | 100    | 16600        | 0           | -73.6                |              |            | 0         | 86    | 281 | 12 |
| 150  | 14055  | 0            | -61.6 |                      | 0            | 95         | 270       | 35    | 150   | 14116       | 0            | -63.6 |                      |              | 0          | 94        | 273   | 31  | 150    | 14189        | 0           | -65.2                |              |            | 0         | 90    | 277 | 22 |
| 200  | 12248  | 0            | -54.4 |                      | 0            | 94         | 265       | 41    | 200   | 12318       | 0            | -54.1 |                      |              | 0          | 94        | 269   | 35  | 200    | 12395        | 0           | -53.8                |              |            | 0         | 90    | 275 | 25 |
| 300  | 9535   | 0            | -34.4 | 9.7                  | 0            | 94         | 258       | 30    | 300   | 9593        | 0            | -32.7 | 7.3                  |              | 0          | 94        | 260   | 29  | 300    | 9658         | 0           | -31.3                | 8.0          |            | 0         | 93    | 260 | 21 |
| 500  | 5773   | 0            | -9.2  | 19.9                 | 0            | 89         | 259       | 16    | 500   | 5804        | 0            | -7.9  | 15.2                 |              | 0          | 93        | 261   | 16  | 500    | 5844         | 0           | -6.6                 | 8.5          |            | 0         | 92    | 254 | 16 |
| 700  | 3098   | 0            | 5.4   | 17.4                 | 0            | 67         | 264       | 8     | 700   | 3115        | 0            | 6.8   | 16.7                 |              | 0          | 77        | 247   | 9   | 700    | 3139         | 0           | 8.2                  | 10.0         |            | 0         | 81    | 251 | 9  |
| 850  | 1491   | 0            | 12.2  | 6.3                  | 0            | 47         | 219       | 4     | 850   | 1498        | 0            | 13.2  | 7.2                  |              | 0          | 34        | 234   | 3   | 850    | 1512         | 0           | 15.4                 | 7.3          |            | 0         | 48    | 237 | 4  |
| 1011   | * 15   |              | 18.8  | 4.5                  |              |            |           |       | 1010  | * 32        |              | 20.8  | 4.9                  |              |            |           |       |   | 980    | * 295        |             | 20.2                 | 2.3          |            |           |       |     |    |
| <b>ASIA - JAPAN ISHIGAKIJIMA</b><br>47918 MAY 2006 2420N 12410E OB 2 |        |              |       |                      |              |            |           |       | <b>ASIA - JAPAN NAHA</b><br>47936 MAY 2006 2612N 12740E OB 2            |             |              |       |                      |              |            |           |       | <b>ASIA - JAPAN MINAMIDAITOJIMA</b><br>47945 MAY 2006 2550N 13110E OB 2 |        |              |             |                      |              |            |           |       |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030   | 23906       | 2            | -54.9 |                      |              | 2          | 94        | 83    | 8   | 030    | 23920        | 9           | -54.3                |              |            | 9         | 93    | 87  | 8  |
| 050  |        |              |       |                      |              |            |           |       | 050   | 20698       | 2            | -63.1 |                      |              | 2          | 91        | 89    | 5   | 050    | 20707        | 6           | -63.2                |              |            | 6         | 74    | 92  | 5  |
| 100  | 16637  | 1            | -76.4 |                      | 1            | 51         | 306       | 5     | 100   | 16622       | 0            | -75.3 |                      |              | 0          | 78        | 291   | 9   | 100    | 16622        | 3           | -74.9                |              |            | 3         | 64    | 302 | 6  |
| 150  | 14250  | 0            | -66.0 |                      | 0            | 87         | 291       | 14    | 150   | 14224       | 0            | -65.9 |                      |              | 0          | 84        | 283   | 16  | 150    | 14226        | 2           | -66.1                |              |            | 2         | 76    | 290 | 13 |
| 200  | 12453  | 0            | -52.7 |                      | 0            | 88         | 283       | 13    | 200   | 12429       | 0            | -53.2 |                      |              | 0          | 83        | 278   | 18  | 200    | 12436        | 2           | -53.8                |              |            | 2         | 74    | 281 | 13 |
| 300  | 9703   | 0            | -30.0 | 10.3                 | 0            | 83         | 257       | 11    | 300   | 9684        | 0            | -30.7 | 9.3                  |              | 0          | 87        | 262   | 14  | 300    | 9698         | 2           | -30.8                | 11.9         |            | 2         | 83    | 263 | 12 |
| 500  | 5872   | 0            | -5.4  | 8.1                  | 0            | 88         | 244       | 10    | 500   | 5863        | 0            | -5.8  | 9.4                  |              | 0          | 92        | 250   | 12  | 500    | 5876         | 2           | -5.9                 | 11.0         |            | 2         | 88    | 252 | 11 |
| 700  | 3155   | 0            | 9.6   | 5.9                  | 0            | 77         | 236       | 6     | 700   | 3149        | 0            | 9.2   | 9.1                  |              | 0          | 86        | 242   | 8   | 700    | 3160         | 2           | 9.4                  | 11.3         |            | 2         | 82    | 243 | 8  |
| 850  | 1515   | 0            | 17.6  | 4.5                  | 0            | 63         | 195       | 4     | 850   | 1516        | 0            | 16.4  | 5.2                  |              | 0          | 57        | 249   | 4   | 850    | 1524         | 2           | 16.6                 | 4.9          |            | 2         | 69    | 240 | 5  |
| 1011   | * 11   |              | 25.9  | 3.2                  |              |            |           |       | 1010  | * 28        |              | 24.5  | 2.9                  |              |            |           |       |   | 1012   | * 21         |             | 24.1                 | 2.8          |            |           |       |     |    |
| <b>ASIA - JAPAN CHICHIJIMA</b><br>47971 MAY 2006 2706N 14210E OB 3   |        |              |       |                      |              |            |           |       | <b>ASIA - JAPAN MINAMITORISHIMA</b><br>47991 MAY 2006 2417N 15350E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - THAILAND CHIANG MAI</b><br>48327 MAY 2006 1847N 09859E OB 1   |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23925  | 6            | -55.0 |                      | 6            | 93         | 83        | 8     | 030   | 23903       | 0            | -54.7 |                      |              | 0          | 96        | 83    | 9   | 030    |              |             |                      |              |            |           |       |     |    |
| 050  | 20712  | 5            | -62.3 |                      | 6            | 77         | 84        | 5     | 050   | 20694       | 0            | -62.5 |                      |              | 0          | 85        | 78    | 6   | 050    | 20695        | 3           | -64.9                |              |            | 5         |       | 75  | 12 |
| 100  | 16594  | 0            | -73.8 |                      | 0            | 69         | 314       | 8     | 100   | 16574       | 0            | -74.0 |                      |              | 0          | 57        | 328   | 6   | 100    | 16681        | 0           | -78.8                |              |            | 0         | 82    | 65  | 8  |
| 150  | 14189  | 0            | -66.3 |                      | 0            | 77         | 300       | 15    | 150   | 14172       | 0            | -66.8 |                      |              | 0          | 72        | 306   | 13  | 150    | 14306        | 0           | -64.6                |              |            | 0         | 16    | 335 | 2  |
| 200  | 12404  | 0            | -54.9 |                      | 0            | 75         | 299       | 14    | 200   | 12393       | 0            | -55.5 |                      |              | 0          | 67        | 300   | 12  | 200    | 12494        | 0           | -49.8                |              |            | 0         | 41    | 265 | 4  |
| 300  | 9682   | 0            | -32.4 | 19.1                 | 0            | 76         | 287       | 11    | 300   | 9678        | 0            | -32.9 | 14.3                 |              | 0          | 68        | 298   | 9   | 300    | 9715         | 0           | -27.1                | 10.2         |            | 0         | 71    | 260 | 5  |
| 500  | 5880   | 0            | -6.6  | 16.2                 | 0            | 83         | 267       | 8     | 500   | 5881        | 0            | -6.4  | 17.0                 |              | 0          | 48        | 301   | 4   | 500    | 5861         | 0           | -3.7                 | 7.3          |            | 0         | 77    | 235 | 5  |
| 700  | 3172   | 0            | 9.3   | 17.9                 | 0            | 73         | 263       | 5     | 700   | 3174        | 0            | 9.1   | 19.4                 |              | 0          | 20        | 6     | 2   | 700    | 3132         | 0           | 10.9                 | 6.1          |            | 0         | 72    | 205 | 4  |
| 850  | 1540   | 0            | 15.7  | 9.8                  | 0            | 39         | 231       | 3     | 850   | 1546        | 0            | 15.2  | 12.6                 |              | 0          | 44        | 76    | 3   | 850    | 1486         | 0           | 19.5                 | 4.9          |            | 0         | 40    | 215 | 2  |
| 1016   | * 8    |              | 22.9  | 2.9                  |              |            |           |       | 1016  | * 9         |              | 24.5  | 3.9                  |              |            |           |       |   | 973    | * 314        |             | 23.7                 | 2.2          |            |           |       |     |    |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |   |    |     |     |    |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|---|----|-----|-----|----|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |   |    |     |     |    |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |   |    |     |     |    |
| <b>ASIA - THAILAND<br/>UBON RATCHATHANI</b><br>48407 MAY 2006 1515N 10450E OB 1 |        |              |       |                      |              |            |           |       | <b>ASIA - THAILAND<br/>BANGKOK</b><br>48455 MAY 2006 1344N 10030E OB 1  |             |              |       |                      |              |            |           |       | <b>ASIA - THAILAND<br/>SONGKHLA</b><br>48568 MAY 2006 0712N 10030E OB 1 |        |              |             |                      |              |            |           |       |   |    |     |     |    |
| 030   | 23914  | 8            | -54.0 |                      |              |            |           |       | 030   | 20675       | 7            | -62.8 |                      |              |            |           |       |   | 030    | 23892        | 3           | -52.6                |              |            |           |       |   |    |     |     |    |
| 050   | 20695  | 3            | -63.4 |                      | 3            | 97         | 85        | 13    | 050   | 16657       | 4            | -80.2 | 7.2                  |              |            | 4         | 96    | 80  | 11     | 050          | 20654       | 2                    | -62.9        |            |           |       |   | 2  | 99  | 95  | 15 |
| 100   | 16669  | 2            | -78.9 |                      | 2            | 91         | 75        | 11    | 100   | 16657       | 4            | -80.2 | 7.2                  |              |            | 4         | 98    | 80  | 12     | 100          | 16629       | 0                    | -80.3        |            |           |       |   | 0  | 93  | 85  | 12 |
| 150   | 14302  | 2            | -65.3 |                      | 2            | 65         | 60        | 6     | 150   | 14297       | 4            | -65.5 | 9.8                  |              |            | 4         | 73    | 65  | 7      | 150          | 14271       | 1                    | -66.4        |            |           |       |   | 1  | 95  | 65  | 14 |
| 200   | 12495  | 2            | -50.4 |                      | 2            | 42         | 45        | 3     | 200   | 12493       | 4            | -50.4 | 8.5                  |              |            | 4         | 51    | 50  | 4      | 200          | 12474       | 0                    | -51.5        |            |           |       |   | 0  | 75  | 55  | 8  |
| 300   | 9723   | 2            | -28.0 |                      | 2            | 27         | 120       | 2     | 300   | 9721        | 3            | -27.8 | 8.1                  |              |            | 3         | 21    | 80  | 1      | 300          | 9714        | 0                    | -28.8        | 7.7        |           |       |   | 0  | 52  | 70  | 3  |
| 500   | 5875   | 2            | -3.8  | 7.7                  | 2            | 58         | 205       | 3     | 500   | 5870        | 1            | -3.9  | 5.4                  |              |            | 1         | 64    | 215   | 3      | 500          | 5873        | 0                    | -4.2         | 5.9        |           |       |   | 0  | 33  | 185 | 2  |
| 700   | 3145   | 2            | 11.0  | 6.7                  | 2            | 55         | 230       | 3     | 700   | 3140        | 1            | 11.3  | 6.7                  |              |            | 1         | 65    | 215   | 3      | 700          | 3145        | 0                    | 11.0         | 7.8        |           |       |   | 0  | 53  | 280 | 3  |
| 850   | 1499   | 3            | 20.3  | 5.6                  | 3            | 37         | 210       | 2     | 850   | 1491        | 1            | 20.3  | 6.2                  |              |            | 1         | 81    | 215   | 4      | 850          | 1499        | 0                    | 19.9         | 6.9        |           |       |   | 0  | 57  | 260 | 3  |
| 995   | * 124  |              | 25.2  | 2.4                  |              |            |           |       | 1007  | * 4         |              | 27.1  | 2.7                  |              |            |           |       |   |        | 1008         | * 7         |                      | 25.8         | 2.0        |           |       |   |    |     |     |    |
| <b>ASIA - CHINA<br/>HAILAR</b><br>50527 MAY 2006 4913N 11940E OB 3              |        |              |       |                      |              |            |           |       | <b>ASIA - CHINA<br/>WU LU MU QI</b><br>51463 MAY 2006 4348N 08739E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - CHINA<br/>YINCHUAN</b><br>53614 MAY 2006 3828N 10610E OB      |        |              |             |                      |              |            |           |       |   |    |     |     |    |
| 030   | 23939  | 3            | -49.9 | 10.3                 | 4            | 40         | 228       | 2     | 030   | 23895       | 1            | -55.4 |                      |              | 1          | 50        | 330   | 3   | 030    | 23944        | 0           | -51.8                |              |            |           |       | 0 | 50 | 233 | 2   |    |
| 050   | 20632  | 2            | -53.4 | 9.6                  | 2            | 86         | 258       | 6     | 050   | 20691       | 0            | -61.5 |                      |              | 0          | 90        | 302   | 9   | 050    | 20706        | 0           | -61.3                |              |            |           |       | 0 | 83 | 280 | 5   |    |
| 100   | 16176  | 1            | -52.5 | 9.0                  | 1            | 93         | 270       | 13    | 100   | 16390       | 0            | -59.1 | 10.0                 |              | 0          |           | 290   | 24  | 100    | 16438        | 0           | -61.4                | 15.2         |            |           |       | 0 | 96 | 281 | 25  |    |
| 150   | 13548  | 1            | -50.9 | 8.5                  | 1            | 84         | 271       | 16    | 150   | 13813       | 0            | -54.1 | 9.9                  |              | 0          |           | 286   | 32  | 150    | 13890        | 0           | -55.5                | 17.5         |            |           |       | 0 | 97 | 278 | 32  |    |
| 200   | 11682  | 1            | -52.7 | 7.9                  | 1            | 78         | 270       | 18    | 200   | 11974       | 0            | -56.0 | 9.1                  |              | 0          | 94        | 284   | 30  | 200    | 12055        | 0           | -55.1                | 14.2         |            |           |       | 0 | 94 | 275 | 32  |    |
| 300   | 9057   | 1            | -48.5 | 7.2                  | 1            | 62         | 268       | 16    | 300   | 9349        | 0            | -44.0 | 9.3                  |              | 0          | 85        | 282   | 23  | 300    | 9406         | 0           | -41.2                | 12.7         |            |           |       | 0 | 85 | 276 | 23  |    |
| 500   | 5527   | 0            | -23.7 | 8.0                  | 0            | 59         | 268       | 10    | 500   | 5717        | 0            | -16.8 | 11.6                 |              | 0          | 88        | 291   | 14  | 500    | 5738         | 0           | -14.6                | 16.3         |            |           |       | 0 | 85 | 290 | 11  |    |
| 700   | 2980   | 0            | -5.7  | 9.9                  | 0            | 58         | 263       | 7     | 700   | 3103        | 0            | .5    | 11.4                 |              | 0          | 88        | 316   | 7   | 700    | 3096         | 0           | 4.6                  | 21.4         |            |           |       | 0 | 62 | 303 | 5   |    |
| 850   | 1423   | 0            | 6.5   | 13.2                 | 0            | 40         | 247       | 4     | 850   | 1513        | 0            | 11.6  | 14.6                 |              | 0          | 33        | 33    | 2   | 850    | 1482         | 0           | 15.0                 | 22.2         |            |           |       | 0 | 17 | 229 | 1   |    |
| 938   | * 611  |              | 9.2   | 11.2                 |              |            |           |       | 911   | * 947       |              | 12.9  | 11.6                 |              |            |           |       |   |        | 888          | *1112       |                      | 14.2         | 12.4       |           |       |   |    |     |     |    |
| <b>ASIA - CHINA<br/>BEIJING</b><br>54511 MAY 2006 3956N 11610E OB 3             |        |              |       |                      |              |            |           |       | <b>ASIA - CHINA<br/>LHASA</b><br>55591 MAY 2006 2940N 09108E OB 3       |             |              |       |                      |              |            |           |       | <b>ASIA - CHINA<br/>KUNMING</b><br>56778 MAY 2006 2501N 10240E OB 3     |        |              |             |                      |              |            |           |       |   |    |     |     |    |
| 030   | 23947  | 1            | -51.6 | 21.7                 | 2            | 25         | 219       | 1     | 030   | 23926       | 0            | -54.4 |                      |              | 1          |           | 81    | 6   | 030    | 23898        | 1           | -54.8                |              |            |           |       | 1 |    | 93  | 12  |    |
| 050   | 20691  | 0            | -59.6 | 20.9                 | 1            | 83         | 274       | 5     | 050   | 20732       | 0            | -66.3 |                      |              | 0          | 80        | 71    | 4   | 050    | 20701        | 1           | -65.6                |              |            |           |       | 1 |    | 84  | 7   |    |
| 100   | 16384  | 0            | -59.8 | 21.0                 | 0            | 96         | 272       | 22    | 100   | 16663       | 0            | -72.9 |                      |              | 0          | 86        | 294   | 12  | 100    | 16660        | 0           | -76.2                |              |            |           |       | 0 | 62 | 302 | 5   |    |
| 150   | 13827  | 0            | -55.6 | 20.0                 | 0            | 97         | 268       | 30    | 150   | 14216       | 0            | -60.2 | 15.7                 |              | 0          | 91        | 279   | 21  | 150    | 14254        | 0           | -63.3                | 20.5         |            |           |       | 0 | 94 | 277 | 15  |    |
| 200   | 11996  | 0            | -55.9 | 16.0                 | 0            | 94         | 268       | 33    | 200   | 12376       | 0            | -41.1 | 18.0                 |              | 0          | 92        | 273   | 24  | 200    | 12434        | 0           | -50.6                | 18.0         |            |           |       | 0 | 91 | 276 | 20  |    |
| 300   | 9357   | 0            | -42.1 | 14.5                 | 0            | 85         | 270       | 23    | 300   | 9626        | 0            | -32.2 | 12.8                 |              | 0          | 81        | 274   | 13  | 300    | 9670         | 0           | -30.2                | 15.9         |            |           |       | 0 |    | 265 | 16  |    |
| 500   | 5699   | 0            | -15.2 | 19.1                 | 0            | 73         | 275       | 11    | 500   | 5822        | 0            | -6.1  | 6.1                  |              | 0          | 60        | 254   | 3   | 500    | 5840         | 0           | -5.2                 | 14.9         |            |           |       | 0 | 80 | 262 | 8   |    |
| 700   | 3070   | 0            | 2.4   | 16.2                 | 0            | 60         | 275       | 6     | 655   | *3650       |              | 7.1   | 5.5                  |              |            |           |       |   | 700    | 3124         | 0           | 8.7                  | 5.7          |            |           |       | 0 | 67 | 259 | 6   |    |
| 850   | 1471   | 0            | 11.9  | 18.6                 | 0            | 25         | 291       | 2     |   |             |              |       |                      |              |            |           |       |   | 811    | *1892        |             | 14.6                 | 2.6          |            |           |       |   |    |     |     |    |
| 1008  | * 55   |              | 17.5  | 10.0                 |              |            |           |       |   |             |              |       |                      |              |            |           |       |   |        |              |             |                      |              |            |           |       |   |    |     |     |    |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |    |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|----|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |    |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |    |
| <b>ASIA - CHINA SHANGHAI</b><br>58362 MAY 2006 3124N 12120E OB 3         |        |              |       |                      |              |            |           |       | <b>AFRICA - MADEIRA FUNCHAL</b><br>08522 MAY 2006 3238N 01654W OB 3     |             |              |       |                      |              |            |           |       | <b>AFRICA - SPAIN (CANARY ISLANDS) TENERIFE-GUIMAR</b><br>60018 MAY 2006 2819N 01623W OB |        |              |             |                      |              |            |           |       |    |
| 030  | 23930  | 0            | -54.6 |                      | 0            |            | 81        | 6     | 030   | 23916       | 5            | -54.9 |                      |              | 5          | 63        | 102   | 2  | 030    | 23901        | 0           | -54.8                | 32.2         | 0          | 79        | 94    | 7  |
| 050  | 20715  | 0            | -63.1 |                      | 0            | 25         | 356       | 1     | 050   | 20697       | 4            | -60.8 |                      |              | 4          | 41        | 132   | 2  | 050    | 20690        | 0           | -61.7                | 29.9         | 0          | 62        | 98    | 5  |
| 100  | 16571  | 0            | -70.0 |                      | 0            | 95         | 270       | 19    | 100   | 16447       | 1            | -64.8 |                      |              | 1          | 86        | 270   | 7  | 100    | 16496        | 0           | -68.3                | 25.0         | 0          | 89        | 267   | 14 |
| 150  | 14111  | 0            | -61.7 | 18.1                 | 0            | 97         | 268       | 35    | 150   | 13938       | 1            | -59.3 |                      |              | 1          | 93        | 274   | 11   | 150    | 14022        | 0           | -60.9                | 24.3         | 0          | 94        | 272   | 26 |
| 200  | 12298  | 0            | -52.9 | 13.0                 | 0            | 95         | 258       | 39    | 200   | 12137       | 1            | -57.8 |                      |              | 1          | 88        | 275   | 11   | 200    | 12221        | 0           | -56.7                | 15.7         | 0          | 91        | 275   | 27 |
| 300  | 9570   | 0            | -33.2 | 12.4                 | 0            | 97         | 257       | 30    | 300   | 9488        | 1            | -40.6 |                      |              | 1          | 81        | 271   | 8  | 300    | 9551         | 0           | -38.0                | 18.9         | 0          | 88        | 271   | 19 |
| 500  | 5789   | 0            | -8.5  | 16.5                 | 0            | 88         | 254       | 15    | 500   | 5796        | 1            | -11.8 | 22.8                 |              | 1          | 60        | 270   | 4  | 500    | 5823         | 0           | -9.5                 | 27.2         | 0          | 78        | 270   | 8  |
| 700  | 3107   | 0            | 6.0   | 22.0                 | 0            | 56         | 269       | 5     | 700   | 3137        | 1            | 4.7   | 24.3                 |              | 1          | 28        | 290   | 1  | 700    | 3139         | 0           | 7.6                  | 30.3         | 0          | 58        | 289   | 3  |
| 850  | 1492   | 0            | 14.2  | 15.4                 | 0            | 22         | 287       | 2     | 850   | 1536        | 1            | 10.4  | 13.2                 |              | 1          | 37        | 16    | 1  | 850    | 1521         | 0           | 13.8                 | 18.8         | 0          | 78        | 9     | 5  |
| 1012   | * 8    |              | 19.6  | 5.1                  |              |            |           |       | 1013  | * 58        |              | 20.9  | 6.6                  |              |            |           |       |  | 1004   | * 111        |             | 20.1                 | 8.1          |            |           |       |    |
| <b>AFRICA - ALGERIA DAR-EL-BEIDA</b><br>60390 MAY 2006 3641N 00313E OB 3 |        |              |       |                      |              |            |           |       | <b>AFRICA - ALGERIA BECHAR</b><br>60571 MAY 2006 3130N 00215W OB 3      |             |              |       |                      |              |            |           |       | <b>AFRICA - ALGERIA IN-SALAH</b><br>60630 MAY 2006 2714N 00230E OB 2                     |        |              |             |                      |              |            |           |       |    |
| 030  |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       |  | 030    |              |             |                      |              |            |           |       |    |
| 050  | 20712  | 3            | -59.7 |                      | 4            | 35         | 130       | 2     | 050   | 20728       | 2            | -60.4 |                      |              | 3          | 34        | 100   | 3  | 050    | 20706        | 0           | -69.7                |              | 1          | 73        | 110   | 6  |
| 100  | 16418  | 1            | -61.9 |                      | 1            | 88         | 270       | 11    | 100   | 16479       | 0            | -64.1 |                      |              | 2          | 95        | 270   | 13   | 100    | 16528        | 0           | -68.6                |              | 0          | 87        | 270   | 15 |
| 150  | 13891  | 0            | -60.5 |                      | 0            | 84         | 270       | 16    | 150   | 13971       | 0            | -59.3 |                      |              | 2          | 93        | 270   | 20   | 150    | 14059        | 0           | -61.6                |              | 0          | 73        | 270   | 18 |
| 200  | 12107  | 0            | -59.9 |                      | 0            | 76         | 260       | 13    | 200   | 12170       | 0            | -58.0 |                      |              | 2          | 85        | 270   | 21   | 200    | 12259        | 0           | -56.1                |              | 0          | 93        | 270   | 28 |
| 300  | 9481   | 0            | -42.0 |                      | 0            | 74         | 260       | 10    | 300   | 9523        | 0            | -40.3 |                      |              | 2          | 77        | 270   | 15   | 300    | 9590         | 0           | -38.2                | 19.4         | 1          | 84        | 270   | 18 |
| 500  | 5808   | 0            | -13.8 | 14.2                 | 0            | 74         | 260       | 9     | 500   | 5833        | 0            | -13.0 | 23.2                 |              | 2          | 87        | 250   | 9  | 500    | 5871         | 0           | -10.8                | 24.7         | 1          | 74        | 250   | 9  |
| 700  | 3161   | 0            | 5.3   | 11.9                 | 0            | 64         | 290       | 7     | 700   | 3173        | 0            | 7.2   | 17.6                 |              | 1          | 56        | 220   | 6  | 700    | 3187         | 0           | 9.8                  | 21.4         | 1          | 56        | 260   | 4  |
| 850  | 1541   | 0            | 16.3  | 14.1                 | 5            | 54         | 240       | 4     | 850   | 1535        | 0            | 21.4  | 24.5                 |              | 1          | 52        | 160   | 4  | 850    | 1538         | 0           | 23.5                 | 25.8         | 0          | 35        | 270   | 3  |
| 1014   | * 29   |              | 25.2  | 8.1                  |              |            |           |       | 928   | * 816       |              | 27.8  | 23.5                 |              |            |           |       |  | 981    | * 269        |             | 37.2                 | 30.2         |            |           |       |    |
| <b>AFRICA - ALGERIA TINDOUF</b><br>60656 MAY 2006 2742N 00810W OB 2      |        |              |       |                      |              |            |           |       | <b>AFRICA - ALGERIA TAMANRASSET</b><br>60680 MAY 2006 2248N 00526E OB 3 |             |              |       |                      |              |            |           |       | <b>AFRICA - TUNISIA TUNIS-CARTHAGE</b><br>60715 MAY 2006 3650N 01014E OB 1               |        |              |             |                      |              |            |           |       |    |
| 030  |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       |  | 030    | 23968        | 27          | -54.0                | 32.6         | 9          | 49        | 165   | 1  |
| 050  | 20704  | 22           | -62.5 |                      |              |            |           |       | 050   | 20684       | 4            | -63.3 |                      |              | 8          | 75        | 90    | 8  | 050    | 20709        | 20          | -58.6                | 31.3         | 9          | 22        | 193   | 1  |
| 100  |        | 11           | -68.4 |                      | 9            | 93         | 140       | 13    | 100   | 16570       | 0            | -72.9 |                      |              | 5          | 90        | 280   | 12   | 100    | 16409        | 2           | -61.1                | 29.9         | 9          | 95        | 273   | 12 |
| 150  | 14042  | 0            | -61.5 |                      | 7            | 93         | 270       | 27    | 150   | 14146       | 0            | -63.6 |                      |              | 3          | 98        | 270   | 30   | 150    | 13878        | 2           | -60.0                | 22.6         | 6          | 92        | 281   | 15 |
| 200  | 12240  | 0            | -56.8 |                      | 9            | 90         | 270       | 27    | 200   | 12343       | 0            | -54.1 |                      |              | 4          | 96        | 270   | 31   | 200    | 12098        | 0           | -60.4                | 11.7         | 0          | 79        | 283   | 12 |
| 300  | 9569   | 0            | -38.5 | 21.9                 |              |            |           |       | 300   | 9644        | 0            | -36.2 | 19.9                 |              | 5          | 92        | 270   | 19   | 300    | 9474         | 0           | -41.8                | 11.9         | 0          | 67        | 285   | 9  |
| 500  | 5848   | 0            | -10.2 | 32.3                 | 4            | 83         | 250       | 10    | 500   | 5896        | 0            | -9.6  | 21.4                 |              | 3          | 70        | 270   | 6  | 500    | 5796         | 0           | -13.7                | 17.5         | 0          | 72        | 289   | 7  |
| 700  | 3163   | 0            | 9.3   | 30.5                 | 3            | 66         | 220       | 6     | 700   | 3198        | 0            | 12.4  | 24.6                 |              | 2          | 35        | 220   | 2  | 700    | 3154         | 0           | 4.6                  | 13.9         | 0          | 70        | 272   | 5  |
| 850  | 1520   | 0            | 21.4  | 30.5                 | 3            | 60         | 190       | 6     | 850   | 1529        | 0            | 27.6  | 36.7                 |              | 0          | 26        | 140   | 1  | 850    | 1539         | 0           | 15.2                 | 18.4         | 0          | 38        | 247   | 3  |
| 963  | * 443  |              | 31.2  | 30.6                 |              |            |           |       | 864   | * 1364      |              | 28.1  | 29.9                 |              |            |           |       |  | 1016   | * 4          |             | 26.0                 | 12.3         |            |           |       |    |



# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |     |    |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |    |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |    |
| <b>AFRICA - NIGER</b><br><b>NIAMEY-AERO</b><br>61052 MAY 2006 1329N 00210E OB 2              |        |              |       |                      |              |            |           |       | <b>AFRICA - OCEAN ISLANDS</b><br><b>ST. HELENA IS.</b><br>61901 MAY 2006 1556S 00540W OB 3 |             |              |       |                      |              |            |           |       | <b>AFRICA - OCEAN ISLANDS</b><br><b>SERGE-FROLOW (ILE TROMELIN)</b><br>61976 MAY 2006 1548S 05430E OB 2 |        |              |             |                      |              |            |           |       |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030  | 23814       | 10           | -54.7 | 32.4                 |              | 9          | 57        | 62    | 5   | 030    | 23848        | 3           | -52.7                |              |            | 3         | 62    | 100 | 4  |
| 050  | 20647  | 14           | -64.2 | 24.5                 | 9            | 96         | 89        | 15    | 050  | 20625       | 9            | -65.2 | 29.0                 |              | 9          | 88        | 90    | 7   | 050    | 20639        | 1           | -64.3                |              |            | 1         | 80    | 82  | 6  |
| 100  | 16614  | 12           | -79.9 | 9.8                  | 9            | 46         | 117       | 4     | 100  | 16573       | 9            | -78.4 | 14.9                 |              | 9          | 81        | 278   | 11  | 100    | 16593        | 1           | -78.9                |              |            | 1         | 37    | 287 | 4  |
| 150  | 14256  | 10           | -67.3 | 9.9                  | 9            | 76         | 241       | 9     | 150  | 14200       | 9            | -67.0 | 15.2                 |              | 9          | 96        | 289   | 24  | 150    | 14237        | 1           | -67.1                |              |            | 1         | 70    | 278 | 10 |
| 200  | 12463  | 9            | -53.1 | 12.2                 | 9            | 87         | 254       | 11    | 200  | 12411       | 9            | -53.9 | 18.8                 |              | 9          | 95        | 277   | 24  | 200    | 12443        | 1           | -52.8                |              |            | 1         | 81    | 271 | 13 |
| 300  | 9723   | 5            | -31.4 | 16.7                 | 6            | 66         | 269       | 7     | 300  | 9678        | 9            | -32.1 | 27.0                 |              | 9          | 93        | 260   | 20  | 300    | 9698         | 1           | -31.3                | 32.2         |            | 1         | 77    | 266 | 12 |
| 500  | 5910   | 2            | -6.4  | 16.6                 | 3            | 79         | 92        | 6     | 500  | 5882        | 9            | -6.3  | 30.6                 |              | 9          | 68        | 279   | 6   | 500    | 5885         | 1           | -5.2                 | 29.3         |            | 1         | 50    | 268 | 5  |
| 700  | 3198   | 2            | 11.8  | 12.8                 | 3            | 82         | 75        | 6     | 700  | 3173        | 9            | 9.1   | 26.0                 |              | 9          | 45        | 289   | 4   | 700    | 3163         | 2           | 10.0                 | 23.1         |            | 1         | 41    | 212 | 4  |
| 850  | 1534   | 2            | 24.9  | 16.9                 | 3            | 46         | 289       | 2     | 850  | 1542        | 9            | 14.3  | 11.7                 |              | 9          | 56        | 96    | 4   | 850    | 1529         | 4           | 15.9                 | 8.0          |            | 4         | 77    | 117 | 5  |
| 985  | * 227  |              | 34.7  | 20.6                 |              |            |           |       | 968  | * 436       |              | 20.5  | 4.8                  |              |            |           |       |   | 1014   | * 13         |             | 28.6                 | 7.2          |            |           |       |     |    |
| <b>AFRICA - EGYPT</b><br><b>MERSA MATRUH</b><br>62306 MAY 2006 3120N 02713E OB 3             |        |              |       |                      |              |            |           |       | <b>AFRICA - EGYPT</b><br><b>EL ARISH</b><br>62337 MAY 2006 3105N 03349E OB                 |             |              |       |                      |              |            |           |       | <b>AFRICA - EGYPT</b><br><b>HELWAN</b><br>62378 MAY 2006 2952N 03120E OB 3                              |        |              |             |                      |              |            |           |       |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030  | 23897       | 7            | -55.0 | 31.7                 |              | 7          | 83        | 75    | 4   | 030    | 23901        | 6           | -54.1                | 32.6         |            | 6         | 53    | 113 | 4  |
| 050  | 20741  | 8            | -61.6 | 32.5                 | 9            | 61         | 107       | 3     | 050  | 20689       | 5            | -62.3 | 29.8                 |              | 5          | 18        | 115   | 1   | 050    | 20687        | 3           | -62.3                | 30.2         |            | 3         | 28    | 142 | 3  |
| 100  | 16481  | 6            | -62.7 | 31.8                 | 6            | 85         | 266       | 16    | 100  | 16461       | 2            | -64.0 | 29.5                 |              | 2          | 97        | 245   | 16  | 100    | 16474        | 3           | -65.3                | 29.2         |            | 3         | 88    | 240 | 14 |
| 150  | 13949  | 6            | -58.2 | 27.7                 | 6            | 87         | 273       | 21    | 150  | 13940       | 2            | -57.7 | 30.8                 |              | 2          | 99        | 240   | 26  | 150    | 13966        | 3           | -57.9                | 30.6         |            | 3         | 96    | 246 | 26 |
| 200  | 12129  | 4            | -56.0 | 20.3                 | 4            | 83         | 278       | 22    | 200  | 12109       | 0            | -55.6 | 23.0                 |              | 2          | 97        | 245   | 23  | 200    | 12145        | 3           | -55.9                | 22.1         |            | 3         | 91    | 253 | 24 |
| 300  | 9471   | 1            | -40.3 | 18.8                 | 1            | 77         | 292       | 18    | 300  | 9456        | 0            | -41.0 | 20.5                 |              | 1          | 90        | 245   | 16  | 300    | 9485         | 1           | -40.7                | 19.8         |            | 1         | 89    | 257 | 18 |
| 500  | 5786   | 1            | -11.5 | 24.2                 | 1            | 76         | 294       | 6     | 500  | 5771        | 0            | -12.1 | 32.8                 |              | 0          | 92        | 245   | 14  | 500    | 5793         | 1           | -11.6                | 30.8         |            | 1         | 85    | 255 | 10 |
| 700  | 3126   | 1            | 5.7   | 23.7                 | 1            | 71         | 303       | 8     | 700  | 3107        | 0            | 6.6   | 32.8                 |              | 0          | 77        | 240   | 7   | 700    | 3126         | 1           | 6.6                  | 30.0         |            | 1         | 74    | 259 | 6  |
| 850  | 1514   | 1            | 15.1  | 19.5                 | 1            | 60         | 325       | 5     | 850  | 1487        | 0            | 16.0  | 29.6                 |              | 0          | 67        | 300   | 4   | 850    | 1506         | 0           | 16.5                 | 26.8         |            | 0         | 54    | 341 | 3  |
| 1012   | * 28   |              | 18.0  | 6.3                  |              |            |           |       | 1008   | * 32        |              | 17.5  | 5.8                  |              |            |           |       |   | 995    | * 141        |             | 30.5                 | 25.8         |            |           |       |     |    |
| <b>AFRICA - EGYPT</b><br><b>SOUTH OF VALLEY UNIVERSITY</b><br>62403 MAY 2006 2612N 03245E OB |        |              |       |                      |              |            |           |       | <b>AFRICA - EGYPT</b><br><b>ASSWAN</b><br>62414 MAY 2006 2358N 03247E OB 3                 |             |              |       |                      |              |            |           |       | <b>AFRICA - EGYPT</b><br><b>FARAFRA</b><br>62423 MAY 2006 2703N 02759E OB                               |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23922  | 7            | -54.0 |                      | 7            | 87         | 94        | 7     | 030  |             |              |       |                      |              |            |           |       |   | 030    | 23877        | 8           | -54.4                | 32.3         |            | 8         | 73    | 103 | 5  |
| 050  | 20703  | 1            | -62.7 | 30.1                 | 1            | 93         | 99        | 7     | 050  | 20698       | 5            | -64.2 |                      |              | 5          | 94        | 85    | 6   | 050    | 20665        | 5           | -62.4                | 30.1         |            | 5         | 76    | 100 | 5  |
| 100  | 16559  | 0            | -69.6 | 27.9                 | 0            | 92         | 233       | 15    | 100  | 16581       | 0            | -73.2 |                      |              | 0          | 97        | 240   | 19  | 100    | 16497        | 3           | -67.8                | 28.2         |            | 3         | 93    | 255 | 15 |
| 150  | 14091  | 0            | -59.7 | 30.6                 | 0            | 96         | 244       | 32    | 150  | 14148       | 0            | -61.5 |                      |              | 0          | 96        | 245   | 29  | 150    | 14011        | 3           | -59.0                | 30.9         |            | 3         | 96    | 258 | 30 |
| 200  | 12261  | 0            | -52.9 | 27.7                 | 0            | 97         | 249       | 35    | 200  | 12324       | 0            | -52.5 | 26.5                 |              | 0          | 97        | 255   | 31  | 200    | 12190        | 3           | -55.2                | 24.8         |            | 3         | 95    | 261 | 27 |
| 300  | 9568   | 0            | -37.4 | 26.2                 | 0            | 93         | 255       | 23    | 300  | 9608        | 0            | -35.1 | 22.2                 |              | 0          | 95        | 250   | 23  | 300    | 9520         | 3           | -39.5                | 24.4         |            | 3         | 88    | 266 | 18 |
| 500  | 5842   | 0            | -10.2 | 33.6                 | 0            | 86         | 253       | 10    | 500  | 5848        | 0            | -8.5  | 27.0                 |              | 0          | 93        | 255   | 11  | 500    | 5813         | 3           | -11.0                | 30.6         |            | 3         | 88    | 272 | 10 |
| 700  | 3157   | 0            | 9.3   | 30.5                 | 0            | 78         | 260       | 7     | 700  | 3146        | 0            | 11.0  | 30.2                 |              | 0          | 79        | 270   | 5   | 700    | 3138         | 3           | 7.8                  | 30.0         |            | 3         | 74    | 294 | 7  |
| 850  | 1516   | 0            | 21.7  | 30.5                 | 0            | 77         | 296       | 4     | 850  | 1495        | 0            | 22.8  | 28.6                 |              | 0          | 50        | 330   | 4   | 850    | 1510         | 3           | 18.1                 | 21.6         |            | 3         | 65    | 349 | 4  |
| 998  | * 96   |              | 36.3  | 37.5                 |              |            |           |       | 986  | * 200       |              | 26.9  | 30.4                 |              |            |           |       |   | 1002   | * 78         |             | 32.7                 | 31.9         |            |           |       |     |    |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>AFRICA - ETHIOPIA</b><br>ADDIS ABABA-BOLE<br>63450 MAY 2006 0902N 03845E OB 2 |        |              |       |                      |              |            |           |       | <b>AFRICA - SEYCHELLES</b><br>SEYCHELLES INTER. AIRPORT (R<br>63985 MAY 2006 0441S 05531E OB 3 |             |              |       |                      |              |            |           |       | <b>AFRICA - CHAD</b><br>NDJAMENA<br>64700 MAY 2006 1208N 01502E OB /                         |        |              |             |                      |              |            |           |       |
| 030  |        |              |       |                      |              |            |           |       | 030  | 23736       | 0            | -53.7 | 32.6                 | 0            | 98         | 269       | 14    | 030  | 23770  |              | -55.1       | 31.8                 | 7            | 88         | 90        | 10    |
| 050  | 20600  | 9            | -64.5 |                      | 9            | 88         | 99        | 16    | 050  | 20525       | 0            | -63.4 | 26.2                 | 0            | 59         | 89        | 7     | 050  | 20591  | 22           | -65.6       | 23.7                 | 4            | 86         | 90        | 15    |
| 100  | 16600  | 6            | -81.0 | 17.4                 | 9            | 85         | 87        | 13    | 100  | 16531       | 0            | -80.2 | 9.5                  | 0            | 64         | 76        | 7     | 100  | 16576  | 22           | -80.7       | 13.2                 | 2            | 48         | 110       | 4     |
| 150  | 14250  | 4            | -67.3 | 16.2                 | 8            | 58         | 95        | 12    | 150  | 14185       | 0            | -68.1 | 10.5                 | 0            | 53         | 90        | 8     | 150  | 14224  | 22           | -67.6       | 12.5                 | 2            | 59         | 260       | 5     |
| 200  | 12450  | 3            | -52.6 | 19.7                 | 8            | 40         | 31        | 10    | 200  | 12401       | 0            | -53.8 | 14.8                 | 0            | 57         | 104       | 6     | 200  | 12433  | 22           | -53.3       | 12.8                 | 2            | 70         | 260       | 7     |
| 300  | 9710   | 1            | -30.9 | 22.4                 | 5            | 50         | 276       | 8     | 300  | 9665        | 0            | -31.2 | 25.3                 | 0            | 64         | 144       | 6     | 300  | 9696   | 11           | -31.9       | 15.9                 | 2            | 47         | 280       | 5     |
| 500  | 5884   | 0            | -6.2  | 13.5                 | 6            | 99         | 77        | 6     | 500  | 5850        | 0            | -6.0  | 23.3                 | 0            | 73         | 104       | 5     | 500  | 5885   | 11           | -6.8        | 16.6                 | 2            | 90         | 70        | 6     |
| 700  | 3164   | 0            | 13.7  | 13.0                 | 8            | 86         | 100       | 7     | 700  | 3142        | 0            | 9.3   | 14.6                 | 0            | 21         | 176       | 1     | 700  | 3181   | 11           | 10.9        | 10.3                 | 2            | 96         | 70        | 8     |
| 772  | *2354  |              | 23.8  | 15.7                 |              |            |           |       | 850  | 1505        | 0            | 17.2  | 6.6                  | 0            | 67         | 139       | 3     | 850  | 1546   | 11           | 24.3        | 16.5                 | 3            | 15         | 230       | 1     |
|  |        |              |       |                      |              |            |           |       | 1010   | * 4         |              | 28.9  | 4.8                  |              |            |           |       | 976  | * 295  |              | 33.1        | 11.3                 |              |            |           |       |
| <b>AFRICA - SOUTH AFRICA</b><br>PIETERSBURG<br>68174 MAY 2006 2350S 02925E OB 2  |        |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br>PRETORIA (IRENE)<br>68263 MAY 2006 2555S 02813E OB 3           |             |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br>BLOEMFONTEIN AIRPORT<br>68442 MAY 2006 2906S 02618E OB 3     |        |              |             |                      |              |            |           |       |
| 030  | 23832  | 9            | -56.3 |                      | 9            | 99         | 105       | 4     | 030  | 23830       | 15           | -56.0 |                      | 9            | 99         | 227       | 2     | 030  | 23825  | 8            | -55.8       |                      | 8            | 99         | 262       | 5     |
| 050  | 20637  | 0            | -63.1 |                      | 0            | 99         | 312       | 1     | 050  | 20639       | 8            | -62.6 |                      | 8            | 99         | 274       | 4     | 050  | 20623  | 2            | -61.4       |                      | 2            | 99         | 287       | 8     |
| 100  | 16490  | 0            | -71.1 |                      | 0            | 99         | 282       | 22    | 100  | 16459       | 6            | -69.1 |                      | 6            | 99         | 277       | 22    | 100  | 16395  | 1            | -65.4       |                      | 1            | 99         | 279       | 21    |
| 150  | 14048  | 0            | -62.3 |                      | 0            | 99         | 280       | 36    | 150  | 13990       | 4            | -61.1 |                      | 5            | 99         | 277       | 35    | 150  | 13892  | 1            | -58.8       |                      | 1            | 99         | 276       | 31    |
| 200  | 12231  | 0            | -52.0 | 23.6                 | 0            | 99         | 281       | 41    | 200  | 12167       | 4            | -52.0 | 25.8                 | 4            | 99         | 277       | 38    | 200  | 12066  | 1            | -54.1       | 21.7                 | 1            | 99         | 274       | 30    |
| 300  | 9513   | 0            | -36.7 | 25.3                 | 0            | 99         | 276       | 31    | 300  | 9466        | 3            | -38.8 | 24.3                 | 3            | 99         | 273       | 26    | 300  | 9419   | 0            | -42.4       | 16.0                 | 0            | 99         | 256       | 16    |
| 500  | 5800   | 0            | -11.8 | 27.2                 | 0            | 99         | 267       | 13    | 500  | 5779        | 3            | -13.3 | 25.5                 | 3            | 99         | 264       | 10    | 500  | 5763   | 0            | -14.7       | 22.6                 | 0            | 99         | 262       | 9     |
| 700  | 3148   | 0            | 3.6   | 18.8                 | 0            | 99         | 264       | 6     | 700  | 3138        | 3            | 2.5   | 16.5                 | 3            | 99         | 282       | 6     | 700  | 3132   | 0            | 1.7         | 18.2                 | 0            | 99         | 280       | 5     |
| 850  | 1544   | 0            | 13.2  | 8.8                  | 0            | 99         | 15        | 2     | 850  | 1556        | 11           | 9.4   | 8.6                  | 9            | 99         | 153       | 2     | 850  | 1541   | 0            | 10.1        | 9.2                  | 0            | 99         | 66        | 1     |
| 883  | *1228  |              | 9.0   | 3.5                  |              |            |           |       | 852  | *1523       |              | 8.6   | 5.9                  |              |            |           |       | 870  | *1359  |              | 2.7         | 1.5                  |              |            |           |       |
| <b>AFRICA - SOUTH AFRICA</b><br>SPRINGBOK<br>68512 MAY 2006 2940S 01754E OB      |        |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br>DURBAN INTNL. AIRPORT<br>68588 MAY 2006 2958S 03057E OB 3      |             |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br>CAPE TOWN INTNL. AIRPORT<br>68816 MAY 2006 3358S 01836E OB 3 |        |              |             |                      |              |            |           |       |
| 030  | 23841  | 11           | -56.4 |                      | 9            | 99         | 260       | 7     | 030  | 23843       | 13           | -56.2 |                      | 9            | 99         | 270       | 4     | 030  | 23782  | 13           | -57.7       |                      | 9            | 99         | 281       | 14    |
| 050  | 20628  | 2            | -61.7 |                      | 2            | 99         | 282       | 9     | 050  | 20630       | 1            | -61.6 |                      | 3            | 99         | 289       | 8     | 050  | 20585  | 3            | -61.1       |                      | 3            | 99         | 279       | 12    |
| 100  | 16399  | 0            | -65.1 |                      | 0            | 99         | 263       | 20    | 100  | 16397       | 1            | -65.1 |                      | 2            | 99         | 284       | 21    | 100  | 16312  | 0            | -62.6       |                      | 0            | 99         | 269       | 20    |
| 150  | 13899  | 0            | -59.5 |                      | 0            | 99         | 260       | 28    | 150  | 13887       | 1            | -58.3 |                      | 1            | 99         | 279       | 30    | 150  | 13788  | 0            | -58.1       |                      | 0            | 99         | 262       | 24    |
| 200  | 12082  | 0            | -55.7 | 17.4                 | 0            | 99         | 257       | 27    | 200  | 12059       | 1            | -54.0 | 23.3                 | 1            | 99         | 277       | 29    | 200  | 11979  | 0            | -58.0       | 15.7                 | 0            | 99         | 253       | 21    |
| 300  | 9432   | 0            | -41.7 | 16.2                 | 0            | 99         | 256       | 18    | 300  | 9407        | 1            | -42.6 | 18.7                 | 1            | 99         | 273       | 13    | 300  | 9358   | 0            | -43.6       | 14.2                 | 0            | 99         | 256       | 13    |
| 500  | 5770   | 0            | -14.1 | 20.3                 | 0            | 99         | 262       | 9     | 500  | 5761        | 0            | -15.1 | 22.6                 | 0            | 99         | 267       | 8     | 500  | 5718   | 0            | -15.6       | 21.8                 | 0            | 99         | 265       | 11    |
| 700  | 3129   | 0            | 3.1   | 23.1                 | 0            | 99         | 282       | 7     | 700  | 3131        | 0            | 1.6   | 14.0                 | 0            | 99         | 267       | 4     | 700  | 3097   | 0            | 1.0         | 20.1                 | 0            | 99         | 278       | 7     |
| 850  | 1531   | 0            | 10.9  | 12.8                 | 0            | 99         | 300       | 4     | 850  | 1538        | 0            | 11.0  | 9.5                  | 0            | 99         | 242       | 3     | 850  | 1514   | 0            | 8.6         | 12.9                 | 0            | 99         | 311       | 5     |
| 905  | *1007  |              | 12.0  | 5.7                  |              |            |           |       | 1017   | * 14        |              | 15.7  | 3.4                  |              |            |           |       | 1013   | * 46   |              | 11.7        | 1.9                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      |              | VECTOR WIND |           |       |  | LEVEL  |              | TEMPERATURE |                      |              |            | VECTOR WIND |       |   |        | LEVEL        |       | TEMPERATURE          |              |            |           | VECTOR WIND |          |        |              |      |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|-------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-------------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------------|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS  | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION   | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED       | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %           | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o           | mps   | hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps         | hPa      | gpm    |              | °C   | °C                   |              | %          | o         | mps   |
| <b>AFRICA - SOUTH AFRICA</b><br><b>PORT ELIZABETH</b><br>68842 MAY 2006 3359S 02537E OB 3              |        |              |       |                      |              |             |           |       | <b>AFRICA - SOUTH AFRICA</b><br><b>GOUGH ISLAND</b><br>68906 MAY 2006 4021S 00953W OB 3            |        |              |             |                      |              |            |             |       | <b>AFRICA - SOUTH AFRICA</b><br><b>MARION ISLAND</b><br>68994 MAY 2006 4653S 03752E OB 3  |        |              |       |                      |              |            |           |             |          |        |              |      |                      |              |            |           |       |
| 030  | 23776  | 16           | -57.1 |                      | 9            | 99          | 275       | 13    | 030  | 23640  | 14           | -60.5       |                      |              |            |             |       |   | 030    | 23516        | 30    | -60.4                |              | 9          | 99        | 267         | 29       |        |              |      |                      |              |            |           |       |
| 050  | 20577  | 4            | -60.6 |                      | 6            | 99          | 272       | 14    | 050  | 20473  | 3            | -61.5       |                      |              |            |             |       |   | 050    | 20287        | 12    | -62.0                |              | 9          | 99        | 275         | 30       |        |              |      |                      |              |            |           |       |
| 100  | 16297  | 3            | -62.0 |                      | 4            | 99          | 271       | 20    | 100  | 16189  | 1            | -61.5       |                      |              |            |             |       |   | 100    | 15973        | 7     | -59.5                |              | 7          | 99        | 274         | 29       |        |              |      |                      |              |            |           |       |
| 150  | 13770  | 2            | -57.6 |                      | 2            | 99          | 271       | 23    | 150  | 13661  | 1            | -59.9       |                      |              |            |             |       |   | 150    | 13432        | 6     | -59.0                |              | 6          | 99        | 273         | 30       |        |              |      |                      |              |            |           |       |
| 200  | 11956  | 2            | -57.8 | 17.2                 | 2            | 99          | 261       | 18    | 200  | 11874  | 1            | -60.7       | 10.7                 |              |            |             |       | 200   | 11643  | 6            | -61.9 | 10.8                 | 6            | 99         | 274       | 32          |          |        |              |      |                      |              |            |           |       |
| 300  | 9341   | 2            | -44.5 | 13.5                 | 2            | 99          | 263       | 13    | 300  | 9268   | 0            | -44.6       | 9.4                  |              |            |             |       | 300   | 9070   | 4            | -47.8 | 8.5                  | 4            | 99         | 277       | 29          |          |        |              |      |                      |              |            |           |       |
| 500  | 5711   | 2            | -16.1 | 19.1                 | 2            | 99          | 277       | 9     | 500  | 5643   | 0            | -17.0       | 12.6                 |              |            |             |       | 500   | 5498   | 4            | -20.7 | 12.3                 | 4            | 99         | 279       | 23          |          |        |              |      |                      |              |            |           |       |
| 700  | 3093   | 2            | .7    | 21.6                 | 2            | 99          | 278       | 7     | 700  | 3038   | 0            | -1.2        | 17.4                 |              |            |             |       | 700   | 2931   | 4            | -5.0  | 15.5                 | 4            | 99         | 275       | 18          |          |        |              |      |                      |              |            |           |       |
| 850  | 1509   | 2            | 9.0   | 8.7                  | 2            | 99          | 273       | 7     | 850  | 1471   | 0            | 4.6         | 9.2                  |              |            |             |       | 850   | 1386   | 4            | .9    | 7.8                  | 4            | 99         | 281       | 13          |          |        |              |      |                      |              |            |           |       |
| 1010   | * 69   |              | 12.6  | 3.9                  |              |             |           |       | 1009   | * 54   |              | 11.6        | 3.4                  |              |            |             |       | 1005  | * 22   |              | 5.1   | 2.4                  |              |            |           |             |          |        |              |      |                      |              |            |           |       |
| <b>N AMERICA - USA (ALASKA)</b><br><b>BARROW/W. POST W. ROGERS</b><br>70026 MAY 2006 7117N 15640W OB 3 |        |              |       |                      |              |             |           |       | <b>N AMERICA - USA (ALASKA)</b><br><b>KOTZEBUE, RALPH WIEN</b><br>70133 MAY 2006 6653N 16230W OB 3 |        |              |             |                      |              |            |             |       | <b>N AMERICA - USA (ALASKA)</b><br><b>NOME, AK</b><br>70200 MAY 2006 6430N 16520W OB 3    |        |              |       |                      |              |            |           |             |          |        |              |      |                      |              |            |           |       |
| 030  | 23974  | 0            | -50.7 | 17.2                 | 0            | 5           | 124       |       | 030  | 24011  | 3            | -50.3       | 25.2                 | 3            | 13         | 143         | 1     | 030   | 23988  | 0            | -51.2 | 24.2                 | 0            | 41         | 90        | 2           |          |        |              |      |                      |              |            |           |       |
| 050  | 20650  | 0            | -51.0 | 16.5                 | 0            | 36          | 241       | 2     | 050  | 20681  | 3            | -50.8       | 24.9                 | 3            | 31         | 179         | 2     | 050   | 20670  | 0            | -51.4 | 23.8                 | 0            | 20         | 121       | 1           |          |        |              |      |                      |              |            |           |       |
| 100  | 16131  | 0            | -50.0 | 16.0                 | 0            | 52          | 253       | 4     | 100  | 16166  | 3            | -50.4       | 24.7                 | 4            | 45         | 228         | 3     | 100   | 16164  | 0            | -51.0 | 23.7                 | 0            | 26         | 228       | 2           |          |        |              |      |                      |              |            |           |       |
| 150  | 13471  | 0            | -48.1 | 14.2                 | 0            | 56          | 263       | 6     | 150  | 13510  | 3            | -48.3       | 24.8                 | 4            | 48         | 241         | 4     | 150   | 13514  | 0            | -48.7 | 23.2                 | 0            | 38         | 244       | 3           |          |        |              |      |                      |              |            |           |       |
| 200  | 11575  | 0            | -48.4 | 11.3                 | 0            | 58          | 263       | 7     | 200  | 11620  | 1            | -49.3       | 19.6                 | 2            | 40         | 252         | 5     | 200   | 11624  | 0            | -49.1 | 18.5                 | 0            | 37         | 244       | 4           |          |        |              |      |                      |              |            |           |       |
| 300  | 8938   | 0            | -50.5 | 7.0                  | 0            | 58          | 272       | 10    | 300  | 8990   | 0            | -49.5       | 6.7                  | 0            | 25         | 225         | 5     | 300   | 8973   | 0            | -48.5 | 8.7                  | 0            | 24         | 215       | 5           |          |        |              |      |                      |              |            |           |       |
| 500  | 5437   | 0            | -26.8 | 7.7                  | 0            | 50          | 242       | 6     | 500  | 5464   | 0            | -25.3       | 8.6                  | 0            | 37         | 210         | 5     | 500   | 5450   | 0            | -25.7 | 10.7                 | 0            | 24         | 194       | 4           |          |        |              |      |                      |              |            |           |       |
| 700  | 2932   | 0            | -11.6 | 8.2                  | 0            | 43          | 225       | 4     | 700  | 2945   | 0            | -10.5       | 9.5                  | 0            | 30         | 193         | 3     | 700   | 2937   | 0            | -10.5 | 8.8                  | 0            | 18         | 205       | 2           |          |        |              |      |                      |              |            |           |       |
| 850  | 1422   | 0            | -4.4  | 8.4                  | 1            | 23          | 201       | 2     | 850  | 1427   | 0            | -2.4        | 7.5                  | 0            | 24         | 201         | 2     | 850   | 1419   | 0            | -2.3  | 6.3                  | 0            | 13         | 192       | 1           |          |        |              |      |                      |              |            |           |       |
| 1017   | * 12   |              | -4.9  | 1.1                  |              |             |           |       | 1015   | * 5    |              | .6          | 2.4                  |              |            |             |       | 1014  | * 6    |              | .1    | 2.4                  |              |            |           |             |          |        |              |      |                      |              |            |           |       |
| <b>N AMERICA - USA (ALASKA)</b><br><b>ANCHORAGE/INT., AK</b><br>70273 MAY 2006 6109N 14950W OB 3       |        |              |       |                      |              |             |           |       | <b>N AMERICA - USA (ALASKA)</b><br><b>COLD BAY, AK</b><br>70316 MAY 2006 5512N 16240W OB 3         |        |              |             |                      |              |            |             |       | <b>N AMERICA - USA (ALASKA)</b><br><b>YAKUTAT, AK</b><br>70361 MAY 2006 5931N 13940W OB 3 |        |              |       |                      |              |            |           |             |          |        |              |      |                      |              |            |           |       |
| 030  | 23975  | 1            | -52.0 | 24.2                 | 1            | 40          | 93        | 3     | 030  | 23959  | 1            | -52.4       | 23.6                 | 1            | 44         | 111         | 3     | 030   | 23977  | 1            | -52.6 | 21.8                 | 1            | 52         | 90        | 3           |          |        |              |      |                      |              |            |           |       |
| 050  | 20678  | 0            | -52.3 | 23.8                 | 0            | 29          | 137       | 2     | 050  | 20666  | 1            | -53.5       | 23.3                 | 1            | 14         | 163         | 1     | 050   | 20680  | 0            | -53.1 | 21.1                 | 0            | 20         | 171       | 1           |          |        |              |      |                      |              |            |           |       |
| 100  | 16189  | 0            | -51.0 | 23.9                 | 0            | 15          | 248       | 1     | 100  | 16199  | 1            | -52.8       | 23.0                 | 1            | 49         | 278         | 5     | 100   | 16197  | 0            | -50.6 | 21.9                 | 1            | 19         | 217       | 2           |          |        |              |      |                      |              |            |           |       |
| 150  | 13537  | 0            | -48.3 | 23.5                 | 0            | 21          | 301       | 2     | 150  | 13571  | 1            | -50.4       | 21.0                 | 2            | 54         | 291         | 8     | 150   | 13537  | 0            | -48.1 | 20.7                 | 1            | 17         | 258       | 2           |          |        |              |      |                      |              |            |           |       |
| 200  | 11643  | 0            | -49.3 | 18.7                 | 0            | 26          | 339       | 3     | 200  | 11698  | 1            | -51.6       | 15.9                 | 2            | 51         | 300         | 12    | 200   | 11638  | 0            | -47.8 | 15.9                 | 1            | 11         | 323       | 2           |          |        |              |      |                      |              |            |           |       |
| 300  | 8998   | 0            | -49.1 | 7.4                  | 1            | 3           | 87        | 1     | 300  | 9041   | 1            | -45.7       | 9.5                  | 1            | 53         | 292         | 14    | 300   | 8987   | 0            | -49.0 | 6.5                  | 1            | 5          | 115       | 1           |          |        |              |      |                      |              |            |           |       |
| 500  | 5479   | 0            | -25.2 | 7.8                  | 0            | 30          | 97        | 3     | 500  | 5480   | 1            | -23.0       | 10.4                 | 1            | 44         | 286         | 6     | 500   | 5470   | 0            | -25.8 | 8.2                  | 1            | 23         | 133       | 3           |          |        |              |      |                      |              |            |           |       |
| 700  | 2954   | 0            | -9.4  | 6.7                  | 0            | 52          | 103       | 5     | 700  | 2940   | 1            | -8.6        | 11.3                 | 1            | 36         | 307         | 4     | 700   | 2955   | 0            | -10.3 | 5.1                  | 0            | 61         | 123       | 5           |          |        |              |      |                      |              |            |           |       |
| 850  | 1426   | 0            | .3    | 6.1                  | 0            | 38          | 85        | 3     | 850  | 1414   | 1            | -1.8        | 5.8                  | 1            | 27         | 316         | 3     | 850   | 1432   | 0            | -.8   | 5.0                  | 2            | 60         | 134       | 5           |          |        |              |      |                      |              |            |           |       |
| 1007   | * 50   |              | 6.5   | 5.1                  |              |             |           |       | 1010   | * 31   |              | 1.5         | .9                   |              |            |             |       | 1013  | * 13   |              | 4.7   | .5                   |              |            |           |             |          |        |              |      |                      |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |     |     |    |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|-----|----|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |     |    |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |     |    |
| <b>N AMERICA - USA (ALASKA)</b><br>SHEMYA AFB<br>70414 MAY 2006 5243N 17400E OB 3        |        |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br>SHREVEPORT/REG., LA.<br>72248 MAY 2006 3227N 09350W OB 2       |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br>NEWPORT, NC.<br>72305 MAY 2006 3446N 07652W OB 2                 |        |              |             |                      |              |            |           |       |     |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030  | 23866       | 2            | -54.2 | 24.0                 |              | 2          | 48        | 53    | 3  | 030    | 23901        | 1           | -53.9                | 24.0         |            | 9         |       |     | 74  | 3  |
| 050  |        |              |       |                      |              |            |           |       | 050  | 20643       | 1            | -61.3 | 15.2                 |              | 1          | 29        | 24    | 2  | 050    | 20666        | 1           | -59.9                | 21.0         |            | 9         |       |     | 353 | 1  |
| 100  |        |              |       |                      |              |            |           |       | 100  | 16430       | 1            | -65.7 | 11.1                 |              | 1          | 88        | 270   | 13   | 100    | 16389        | 0           | -62.2                | 18.2         |            | 9         |       |     | 279 | 11 |
| 150  |        |              |       |                      |              |            |           |       | 150  | 13939       | 1            | -61.8 | 11.5                 |              | 1          | 93        | 278   | 22   | 150    | 13871        | 0           | -60.8                | 14.4         |            | 9         |       |     | 281 | 22 |
| 200  |        |              |       |                      |              |            |           |       | 200  | 12151       | 1            | -58.2 | 12.6                 |              | 1          | 88        | 283   | 23   | 200    | 12073        | 0           | -56.9                | 12.5         |            | 7         |       |     | 279 | 21 |
| 300  |        |              |       |                      |              |            |           |       | 300  | 9496        | 1            | -39.5 | 14.9                 |              | 1          | 80        | 287   | 16   | 300    | 9415         | 0           | -40.5                | 12.9         |            | 5         | 78    |     | 277 | 20 |
| 500  | 5554   | 12           | -20.6 | 17.9                 |              |            |           |       | 500  | 5792        | 0            | -12.2 | 18.0                 |              | 0          | 66        | 288   | 9  | 500    | 5730         | 0           | -13.4                | 16.9         |            | 3         | 79    |     | 278 | 14 |
| 700  | 2991   | 12           | -5.6  | 19.1                 |              |            |           |       | 700  | 3133        | 0            | 5.3   | 11.9                 |              | 0          | 53        | 277   | 5  | 700    | 3086         | 0           | 2.4                  | 15.5         |            | 3         | 75    |     | 274 | 10 |
| 850  | 1452   | 12           | -3    | 9.9                  |              |            |           |       | 850  | 1516        | 0            | 15.1  | 8.6                  |              | 0          | 61        | 249   | 6  | 850    | 1492         | 0           | 10.9                 | 9.3          |            | 1         | 65    |     | 281 | 6  |
| 1014   | * 31   |              | 3.1   | 2.4                  |              |            |           |       | 1004   | * 85        |              | 18.7  | 2.3                  |              |            |           |       |  | 1012   | * 11         |             | 15.6                 | 1.2          |            |           |       |     |     |    |
| <b>N AMERICA - USA</b><br>NASHVILLE/OLD HICKORY, TN.<br>72327 MAY 2006 3614N 08633W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br>NORTH PLATTE/LEE BIRD, NE.<br>72562 MAY 2006 4107N 10040W OB 3 |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br>MEDFORD/MEDFORD-JACKSON COUN<br>72597 MAY 2006 4223N 12250W OB 3 |        |              |             |                      |              |            |           |       |     |     |    |
| 030  | 23926  | 0            | -53.2 | 14.9                 | 0            | 15         | 57        | 1     | 030  | 23898       | 2            | -55.1 | 23.1                 |              | 3          | 49        | 52    | 2  | 030    | 23897        | 0           | -55.6                | 12.4         |            | 0         | 60    | 72  | 3   |    |
| 050  | 20681  | 0            | -59.3 | 12.3                 | 1            | 30         | 306       | 2     | 050  | 20673       | 1            | -60.0 | 20.9                 |              | 1          | 38        | 3     | 2  | 050    | 20676        | 0           | -59.1                | 11.1         |            | 1         | 20    | 67  | 1   |    |
| 100  | 16391  | 0            | -61.5 | 11.7                 | 1            | 88         | 284       | 11    | 100  | 16372       | 1            | -59.8 | 19.3                 |              | 1          | 66        | 293   | 9  | 100    | 16339        | 0           | -58.2                | 11.1         |            | 2         | 72    | 248 | 8   |    |
| 150  | 13860  | 0            | -59.1 | 11.5                 | 2            | 96         | 279       | 18    | 150  | 13827       | 1            | -58.4 | 15.3                 |              | 1          | 75        | 281   | 16   | 150    | 13772        | 0           | -56.3                | 10.5         |            | 2         | 77    | 256 | 15  |    |
| 200  | 12049  | 0            | -56.0 | 10.2                 | 1            | 92         | 285       | 24    | 200  | 12016       | 1            | -57.9 | 10.2                 |              | 1          | 65        | 275   | 18   | 200    | 11955        | 0           | -57.3                | 9.2          |            | 2         | 70    | 265 | 18  |    |
| 300  | 9390   | 0            | -40.9 | 11.4                 | 1            | 88         | 283       | 19    | 300  | 9385        | 1            | -42.7 | 9.1                  |              | 1          | 68        | 279   | 17   | 300    | 9323         | 0           | -43.3                | 9.4          |            | 0         | 63    | 258 | 16  |    |
| 500  | 5718   | 0            | -14.1 | 14.6                 | 0            | 88         | 279       | 14    | 500  | 5731        | 1            | -15.0 | 11.3                 |              | 1          | 69        | 290   | 13   | 500    | 5685         | 0           | -16.5                | 12.7         |            | 1         | 66    | 243 | 11  |    |
| 700  | 3085   | 0            | 1.7   | 8.8                  | 0            | 92         | 279       | 11    | 700  | 3092        | 1            | 3.5   | 11.3                 |              | 2          | 73        | 291   | 9  | 700    | 3074         | 0           | -2                   | 12.5         |            | 0         | 50    | 231 | 5   |    |
| 850  | 1490   | 0            | 11.2  | 5.5                  | 0            | 82         | 284       | 7     | 850  | 1487        | 1            | 13.1  | 11.5                 |              | 1          | 22        | 286   | 2  | 850    | 1492         | 0           | 8.2                  | 8.8          |            | 0         | 26    | 173 | 1   |    |
| 993  | * 180  |              | 14.3  | 1.3                  |              |            |           |       | 917  | * 849       |              | 9.1   | 3.0                  |              |            |           |       |  | 970    | * 398        |             | 10.6                 | 4.7          |            |           |       |     |     |    |
| <b>N AMERICA - USA</b><br>CHANHASSEN, MN.<br>72649 MAY 2006 4451N 09333W OB 2            |        |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br>INT.FALLS/FALLS INT. MN.<br>72747 MAY 2006 4833N 09323W OB 3   |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br>GREAT FALLS, MT.<br>72776 MAY 2006 4727N 11120W OB 2             |        |              |             |                      |              |            |           |       |     |     |    |
| 030  | 23886  | 2            | -54.7 | 22.9                 | 2            | 45         | 61        | 3     | 030  | 23920       | 7            | -54.2 | 23.5                 |              | 7          | 65        | 55    | 3  | 030    | 23932        | 1           | -54.8                | 14.3         |            | 1         | 70    | 60  | 3   |    |
| 050  | 20647  | 2            | -58.2 | 18.7                 | 2            | 51         | 352       | 3     | 050  | 20675       | 7            | -57.2 | 22.3                 |              | 7          | 64        | 20    | 3  | 050    | 20694        | 1           | -57.9                | 13.0         |            | 1         | 41    | 19  | 2   |    |
| 100  | 16309  | 2            | -58.1 | 17.0                 | 2            | 63         | 293       | 8     | 100  | 16310       | 7            | -56.7 | 21.4                 |              | 7          | 61        | 302   | 7  | 100    | 16327        | 1           | -56.4                | 12.8         |            | 1         | 69    | 276 | 7   |    |
| 150  | 13741  | 2            | -55.7 | 16.7                 | 2            | 66         | 293       | 11    | 150  | 13716       | 6            | -54.5 | 17.5                 |              | 6          | 64        | 296   | 10   | 150    | 13732        | 1           | -53.7                | 12.2         |            | 1         | 72    | 266 | 11  |    |
| 200  | 11912  | 2            | -55.8 | 15.3                 | 2            | 70         | 285       | 19    | 200  | 11870       | 5            | -55.3 | 12.9                 |              | 5          | 52        | 289   | 12   | 200    | 11897        | 1           | -55.9                | 10.4         |            | 1         | 68    | 264 | 15  |    |
| 300  | 9276   | 1            | -43.8 | 14.4                 | 1            | 58         | 295       | 16    | 300  | 9232        | 4            | -44.5 | 8.9                  |              | 4          | 36        | 294   | 9  | 300    | 9268         | 1           | -44.9                | 9.2          |            | 1         | 66    | 269 | 16  |    |
| 500  | 5642   | 1            | -17.0 | 10.5                 | 1            | 60         | 305       | 11    | 500  | 5613        | 4            | -18.0 | 10.5                 |              | 4          | 41        | 311   | 7  | 500    | 5655         | 0           | -18.6                | 11.4         |            | 2         | 79    | 273 | 10  |    |
| 700  | 3031   | 1            | -3    | 11.0                 | 1            | 55         | 307       | 8     | 700  | 3013        | 3            | -1.7  | 12.0                 |              | 3          | 38        | 320   | 5  | 700    | 3060         | 0           | -1.4                 | 8.8          |            | 1         | 77    | 289 | 6   |    |
| 850  | 1452   | 1            | 7.9   | 8.3                  | 1            | 44         | 300       | 5     | 850  | 1442        | 3            | 6.5   | 5.4                  |              | 3          | 24        | 303   | 3  | 850    | 1479         | 0           | 10.0                 | 13.0         |            | 0         | 70    | 263 | 6   |    |
| 977  | * 290  |              | 11.4  | 3.0                  |              |            |           |       | 969  | * 362       |              | 7.8   | 2.1                  |              |            |           |       |  | 886    | *1132        |             | 7.3                  | 6.6          |            |           |       |     |     |    |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   |
| <b>N AMERICA - CANADA</b><br><b>NORMAN WELLS UA,</b><br>71043 MAY 2006 6517N 12640W OB 3     |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>HALL BEACH UA, NU</b><br>71081 MAY 2006 6846N 08113W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>ALERT UA, NU</b><br>71082 MAY 2006 8230N 06220W OB 3      |        |              |       |                      |              |            |           |       |
| 030  | 24005  | 3            | -51.5 | 26.4                 | 2            | 13         | 56        | 1     | 030   | 23972  | 5            | -52.1 | 27.3                 | 5            | 70         | 47        | 5     | 030   | 24022  | 2            | -48.6 | 28.6                 | 1            | 10         | 306       | 1     |
| 050  | 20697  | 2            | -52.0 | 26.6                 | 1            | 23         | 261       | 1     | 050   | 20662  | 5            | -51.5 | 28.2                 | 4            | 44         | 21        | 3     | 050   | 20649  | 1            | -48.8 | 28.6                 | 2            | 27         | 275       | 3     |
| 100  | 16192  | 2            | -50.0 | 27.5                 | 1            | 60         | 253       | 4     | 100   | 16146  | 5            | -49.2 | 28.8                 | 4            | 39         | 299       | 3     | 100   | 16092  | 1            | -48.1 | 29.0                 | 1            | 41         | 275       | 4     |
| 150  | 13529  | 2            | -47.6 | 27.8                 | 2            | 58         | 249       | 5     | 150   | 13475  | 5            | -46.9 | 29.2                 | 5            | 44         | 293       | 4     | 150   | 13411  | 1            | -46.5 | 29.5                 | 0            | 42         | 280       | 4     |
| 200  | 11624  | 2            | -47.3 | 25.0                 | 2            | 56         | 243       | 5     | 200   | 11565  | 5            | -46.3 | 27.5                 | 6            | 50         | 284       | 5     | 200   | 11500  | 1            | -46.3 | 27.3                 | 0            | 40         | 292       | 5     |
| 300  | 8978   | 2            | -50.6 | 7.7                  | 2            | 47         | 245       | 8     | 300   | 8894   | 5            | -48.9 | 13.3                 | 6            | 29         | 285       | 5     | 300   | 8840   | 1            | -51.2 | 10.8                 | 1            | 38         | 316       | 6     |
| 500  | 5477   | 2            | -26.2 | 9.1                  | 1            | 55         | 248       | 6     | 500   | 5411   | 5            | -28.8 | 8.9                  | 4            | 23         | 338       | 4     | 500   | 5384   | 1            | -30.6 | 10.0                 | 0            | 40         | 310       | 5     |
| 700  | 2963   | 2            | -10.3 | 6.2                  | 1            | 50         | 268       | 3     | 700   | 2922   | 5            | -13.0 | 10.3                 | 4            | 34         | 9         | 4     | 700   | 2918   | 1            | -15.9 | 8.5                  | 0            | 39         | 310       | 3     |
| 850  | 1438   | 2            | -1    | 5.9                  | 1            | 21         | 229       | 1     | 850   | 1423   | 5            | -7.1  | 5.8                  | 4            | 46         | 7         | 4     | 850   | 1436   | 1            | -10.1 | 5.6                  | 0            | 41         | 302       | 3     |
| 1007   | * 95   |              | 2.8   | 5.2                  |              |            |           |       | 1017  | *      |              | -6.1  | 2.4                  |              |            |           |       | 1019  | * 76   |              | -8.6  | 1.9                  |              |            |           |       |
| <b>N AMERICA - CANADA</b><br><b>ST. JOHN'S UA, NFLD</b><br>71801 MAY 2006 4737N 05245W OB 3  |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>SEPT-ILES UA, QUE</b><br>71811 MAY 2006 5013N 06615W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>GOOSE UA, NFLD</b><br>71816 MAY 2006 5318N 06022W OB 3    |        |              |       |                      |              |            |           |       |
| 030  | 23925  | 4            | -54.1 | 32.4                 | 4            | 12         | 18        | 1     | 030   | 23945  | 3            | -53.3 | 31.5                 | 2            | 5          | 315       | 1     | 030   | 23921  | 0            | -53.6 | 23.7                 | 0            | 24         | 4         | 2     |
| 050  | 20667  | 4            | -56.1 | 31.9                 | 4            | 36         | 283       | 2     | 050   | 20671  | 3            | -55.1 | 30.2                 | 4            | 29         | 281       | 2     | 050   | 20641  | 0            | -54.5 | 24.1                 | 0            | 34         | 303       | 2     |
| 100  | 16259  | 3            | -55.3 | 31.8                 | 3            | 70         | 277       | 9     | 100   | 16245  | 1            | -55.0 | 27.6                 | 2            | 62         | 286       | 6     | 100   | 16204  | 0            | -53.7 | 24.2                 | 0            | 56         | 291       | 5     |
| 150  | 13662  | 0            | -53.8 | 31.8                 | 0            | 76         | 279       | 14    | 150   | 13650  | 0            | -53.7 | 27.5                 | 2            | 63         | 289       | 9     | 150   | 13589  | 0            | -52.6 | 22.0                 | 0            | 60         | 292       | 8     |
| 200  | 11823  | 0            | -56.1 | 19.9                 | 1            | 72         | 284       | 19    | 200   | 11808  | 0            | -55.3 | 19.9                 | 2            | 57         | 278       | 12    | 200   | 11741  | 0            | -55.0 | 14.9                 | 0            | 58         | 292       | 12    |
| 300  | 9207   | 0            | -46.0 | 11.8                 | 1            | 65         | 285       | 20    | 300   | 9189   | 0            | -46.0 | 10.0                 | 1            | 45         | 272       | 10    | 300   | 9130   | 0            | -47.2 | 10.5                 | 0            | 47         | 290       | 11    |
| 500  | 5618   | 0            | -19.6 | 15.2                 | 0            | 62         | 285       | 11    | 500   | 5592   | 0            | -19.6 | 14.2                 | 1            | 39         | 264       | 5     | 500   | 5559   | 0            | -21.5 | 10.3                 | 0            | 46         | 290       | 8     |
| 700  | 3037   | 0            | -3.7  | 13.8                 | 0            | 50         | 281       | 6     | 700   | 3014   | 0            | -4.4  | 10.6                 | 0            | 23         | 221       | 2     | 700   | 3000   | 0            | -6.4  | 10.1                 | 0            | 38         | 294       | 5     |
| 850  | 1480   | 0            | 3.8   | 8.3                  | 0            | 35         | 285       | 4     | 850   | 1459   | 0            | 4.3   | 8.1                  | 0            | 23         | 161       | 2     | 850   | 1458   | 0            | 1.8   | 6.6                  | 0            | 20         | 276       | 2     |
| 1000   | * 140  |              | 8.0   | 3.3                  |              |            |           |       | 1009  | * 55   |              | 8.3   | 5.9                  |              |            |           |       | 1011  | * 39   |              | 8.4   | 6.7                  |              |            |           |       |
| <b>N AMERICA - CANADA</b><br><b>LA GRANDE IV UA, QUE</b><br>71823 MAY 2006 5345N 07340W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>MOOSONEE UA, ONT</b><br>71836 MAY 2006 5116N 08039W OB 3  |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>THE PAS A UA, MAN</b><br>71867 MAY 2006 5358N 10100W OB 3 |        |              |       |                      |              |            |           |       |
| 030  | 23929  | 1            | -53.1 | 32.6                 | 2            | 34         | 60        | 2     | 030   | 23920  | 4            | -53.4 | 30.7                 | 4            | 28         | 55        | 1     | 030   | 23961  | 1            | -53.9 | 32.0                 | 2            | 71         | 48        | 4     |
| 050  | 20650  | 1            | -54.9 | 32.2                 | 2            | 27         | 14        | 1     | 050   | 20649  | 4            | -55.2 | 30.4                 | 4            | 49         | 13        | 2     | 050   | 20694  | 1            | -55.1 | 31.6                 | 2            | 63         | 2         | 3     |
| 100  | 16227  | 0            | -54.4 | 31.8                 | 1            | 55         | 292       | 5     | 100   | 16233  | 4            | -54.8 | 30.6                 | 3            | 60         | 292       | 5     | 100   | 16272  | 1            | -54.3 | 31.8                 | 1            | 74         | 293       | 8     |
| 150  | 13618  | 0            | -53.0 | 31.0                 | 2            | 62         | 285       | 7     | 150   | 13653  | 1            | -53.8 | 28.3                 | 2            | 59         | 283       | 8     | 150   | 13655  | 1            | -51.4 | 32.4                 | 2            | 75         | 285       | 11    |
| 200  | 11759  | 0            | -54.5 | 21.8                 | 2            | 59         | 277       | 9     | 200   | 11804  | 0            | -55.4 | 18.1                 | 0            | 56         | 278       | 10    | 200   | 11780  | 2            | -53.4 | 23.5                 | 2            | 66         | 274       | 14    |
| 300  | 9146   | 0            | -46.2 | 12.2                 | 1            | 47         | 270       | 9     | 300   | 9192   | 0            | -45.8 | 9.0                  | 1            | 45         | 277       | 10    | 300   | 9175   | 0            | -46.1 | 9.3                  | 1            | 58         | 280       | 15    |
| 500  | 5565   | 0            | -20.6 | 12.8                 | 0            | 49         | 278       | 6     | 500   | 5581   | 0            | -19.5 | 11.7                 | 0            | 40         | 269       | 6     | 500   | 5581   | 0            | -19.5 | 12.3                 | 1            | 59         | 289       | 9     |
| 700  | 2994   | 0            | -4.8  | 14.2                 | 0            | 39         | 267       | 4     | 700   | 2998   | 0            | -3.1  | 10.4                 | 0            | 34         | 252       | 4     | 700   | 3000   | 0            | -3.7  | 9.4                  | 0            | 47         | 303       | 4     |
| 850  | 1444   | 0            | 2.7   | 8.7                  | 0            | 28         | 233       | 2     | 850   | 1438   | 0            | 4.8   | 7.6                  | 0            | 19         | 266       | 2     | 850   | 1442   | 0            | 3.3   | 6.7                  | 0            | 14         | 5         | 1     |
| 977  | * 302  |              | 7.6   | 6.6                  |              |            |           |       | 1012  | * 11   |              | 6.4   | 3.2                  |              |            |           |       | 981   | * 274  |              | 6.4   | 2.9                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   |
| <b>N AMERICA - CANADA</b><br>KUUJUAQ A, UA, QUE<br>71906 MAY 2006 5807N 06825W OB 3  |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>INUKJUAQ A UA, QUE<br>71907 MAY 2006 5828N 07805W OB 3     |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>IQALUIT UA, NU<br>71909 MAY 2006 6345N 06833W OB 3    |        |              |       |                      |              |            |           |       |
| 030  | 23954  | 3            | -53.3 | 27.9                 | 6            | 48         | 37        | 3     | 030   | 23971  | 6            | -52.3 | 32.4                 | 5            | 59         | 44        | 3     | 030  | 23935  | 0            | -52.9 | 29.3                 | 2            | 54         | 50        | 4     |
| 050  | 20670  | 3            | -54.0 | 27.4                 | 6            | 46         | 353       | 3     | 050   | 20676  | 6            | -53.3 | 31.9                 | 5            | 48         | 5         | 3     | 050  | 20646  | 0            | -53.3 | 28.8                 | 2            | 35         | 35        | 2     |
| 100  | 16213  | 3            | -52.2 | 28.1                 | 6            | 49         | 293       | 5     | 100   | 16211  | 5            | -52.3 | 32.3                 | 4            | 53         | 297       | 5     | 100  | 16157  | 0            | -50.6 | 29.6                 | 3            | 45         | 312       | 4     |
| 150  | 13582  | 3            | -50.8 | 26.6                 | 6            | 62         | 285       | 8     | 150   | 13584  | 4            | -50.7 | 32.0                 | 2            | 72         | 284       | 9     | 150  | 13503  | 0            | -48.6 | 29.2                 | 4            | 62         | 282       | 7     |
| 200  | 11713  | 3            | -52.2 | 19.3                 | 7            | 67         | 282       | 11    | 200   | 11714  | 4            | -51.9 | 26.4                 | 3            | 72         | 273       | 13    | 200  | 11611  | 0            | -49.4 | 22.5                 | 6            | 60         | 272       | 10    |
| 300  | 9077   | 3            | -46.6 | 12.3                 | 7            | 59         | 272       | 13    | 300   | 9082   | 3            | -47.4 | 11.5                 | 4            | 62         | 259       | 15    | 300  | 8980   | 0            | -49.6 | 7.6                  | 7            | 49         | 264       | 14    |
| 500  | 5520   | 3            | -23.1 | 10.2                 | 6            | 52         | 272       | 9     | 500   | 5513   | 3            | -22.0 | 12.1                 | 1            | 65         | 256       | 11    | 500  | 5452   | 0            | -24.6 | 9.7                  | 9            | 48         | 261       | 11    |
| 700  | 2974   | 3            | -7.3  | 9.7                  | 5            | 41         | 259       | 5     | 700   | 2960   | 3            | -6.7  | 13.2                 | 1            | 53         | 255       | 6     | 700  | 2925   | 0            | -9.7  | 10.7                 | 9            | 34         | 261       | 6     |
| 850  | 1439   | 3            | .0    | 7.0                  | 5            | 46         | 247       | 5     | 850   | 1422   | 3            | .1    | 10.3                 | 1            | 33         | 275       | 3     | 850  | 1409   | 0            | -4.6  | 5.8                  |              | 22         | 233       | 3     |
| 1010   | * 65   |              | 4.0   | 4.8                  |              |            |           |       | 1012  | * 28   |              | .0    | 4.8                  |              |            |           |       | 1012   | * 22   |              | -9    | 2.4                  |              |            |           |       |
| <b>N AMERICA - CANADA</b><br>CHURCHILL A UA, MAN<br>71913 MAY 2006 5844N 09404W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>CORAL HARBOUR A UA, NU<br>71915 MAY 2006 6412N 08322W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>EUREKA UA, NU<br>71917 MAY 2006 7959N 08556W OB 3     |        |              |       |                      |              |            |           |       |
| 030  | 23922  | 2            | -54.1 | 24.3                 | 7            | 65         | 54        | 5     | 030   | 23973  | 5            | -52.5 | 30.9                 | 8            | 70         | 38        | 5     | 030  | 24018  | 0            | -48.8 | 29.0                 | 1            | 10         | 277       | 1     |
| 050  | 20646  | 2            | -54.2 | 24.6                 | 8            | 55         | 360       | 3     | 050   | 20674  | 5            | -52.4 | 31.0                 | 5            | 44         | 4         | 3     | 050  | 20664  | 0            | -48.9 | 28.8                 | 1            | 22         | 270       | 2     |
| 100  | 16192  | 2            | -52.7 | 24.5                 | 6            | 69         | 293       | 7     | 100   | 16174  | 5            | -50.1 | 32.1                 | 4            | 53         | 293       | 5     | 100  | 16108  | 0            | -48.4 | 29.1                 | 0            | 46         | 265       | 4     |
| 150  | 13560  | 2            | -50.1 | 23.9                 | 6            | 74         | 281       | 10    | 150   | 13511  | 5            | -47.9 | 32.6                 | 4            | 69         | 279       | 8     | 150  | 13429  | 0            | -46.8 | 29.5                 | 0            | 48         | 272       | 4     |
| 200  | 11680  | 1            | -50.7 | 18.1                 | 6            | 70         | 279       | 12    | 200   | 11610  | 4            | -47.6 | 31.1                 | 4            | 73         | 276       | 11    | 200  | 11523  | 0            | -47.3 | 25.4                 | 0            | 49         | 277       | 4     |
| 300  | 9042   | 1            | -48.2 | 8.3                  | 7            | 62         | 289       | 14    | 300   | 8949   | 4            | -48.6 | 14.7                 | 4            | 53         | 267       | 13    | 300  | 8876   | 0            | -51.4 | 9.1                  | 3            | 35         | 297       | 5     |
| 500  | 5499   | 1            | -23.8 | 10.8                 | 5            | 62         | 298       | 9     | 500   | 5437   | 3            | -26.4 | 11.8                 | 2            | 42         | 272       | 7     | 500  | 5410   | 0            | -29.8 | 8.4                  | 0            | 36         | 294       | 4     |
| 700  | 2964   | 1            | -8.7  | 12.7                 | 5            | 52         | 324       | 5     | 700   | 2929   | 3            | -11.9 | 12.0                 | 1            | 38         | 327       | 4     | 700  | 2933   | 0            | -14.3 | 10.2                 | 0            | 20         | 298       | 2     |
| 850  | 1442   | 1            | -3.1  | 9.1                  | 6            | 36         | 347       | 3     | 850   | 1422   | 3            | -5.4  | 7.8                  | 3            | 48         | 352       | 5     | 850  | 1441   | 0            | -8.1  | 8.0                  | 0            | 22         | 261       | 1     |
| 1015   | * 29   |              | -1.5  | 1.7                  |              |            |           |       | 1010  | * 57   |              | -4.3  | 1.6                  |              |            |           |       | 1021   | * 10   |              | -8.3  | 2.8                  |              |            |           |       |
| <b>N AMERICA - CANADA</b><br>RESOLUTE UA, NU<br>71924 MAY 2006 7442N 09458W OB 3     |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>CAMBRIDGE BAY UA, NU<br>71925 MAY 2006 6908N 10500W OB 3   |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>BAKER LAKE UA, NU<br>71926 MAY 2006 6419N 09600W OB 3 |        |              |       |                      |              |            |           |       |
| 030  | 24020  | 0            | -49.9 | 27.0                 | 2            | 15         | 351       | 2     | 030   | 24030  | 2            | -50.5 | 33.6                 | 9            | 58         | 46        | 5     | 030  | 23988  | 0            | -52.1 | 33.0                 | 0            | 66         | 46        | 4     |
| 050  | 20679  | 0            | -49.6 | 27.3                 | 3            | 29         | 290       | 3     | 050   | 20691  | 1            | -50.4 | 33.6                 | 9            | 37         | 358       | 2     | 050  | 20680  | 0            | -52.1 | 32.9                 | 1            | 40         | 343       | 3     |
| 100  | 16131  | 0            | -48.7 | 27.5                 | 4            | 36         | 301       | 3     | 100   | 16161  | 1            | -49.1 | 33.9                 |              | 64         | 298       | 5     | 100  | 16178  | 0            | -50.2 | 33.6                 | 0            | 65         | 297       | 6     |
| 150  | 13454  | 0            | -46.8 | 28.2                 | 4            | 51         | 289       | 4     | 150   | 13491  | 1            | -47.4 | 34.4                 | 9            | 73         | 296       | 7     | 150  | 13521  | 0            | -48.3 | 34.2                 | 2            | 76         | 293       | 9     |
| 200  | 11548  | 0            | -47.2 | 24.9                 | 4            | 27         | 321       | 2     | 200   | 11588  | 0            | -47.2 | 33.9                 | 9            | 74         | 287       | 7     | 200  | 11623  | 0            | -48.1 | 33.2                 | 1            | 76         | 289       | 11    |
| 300  | 8900   | 0            | -51.3 | 9.1                  | 4            | 21         | 7         | 3     | 300   | 8937   | 0            | -50.6 | 13.4                 | 9            | 55         | 274       | 8     | 300  | 8981   | 0            | -49.3 | 11.8                 | 2            | 59         | 290       | 12    |
| 500  | 5426   | 0            | -28.5 | 9.3                  | 2            | 21         | 357       | 2     | 500   | 5451   | 0            | -27.8 | 11.8                 | 6            | 43         | 277       | 5     | 500  | 5469   | 0            | -26.2 | 9.9                  | 0            | 58         | 306       | 8     |
| 700  | 2937   | 0            | -13.1 | 9.2                  | 3            | 20         | 357       | 2     | 700   | 2949   | 0            | -11.6 | 11.2                 | 5            | 35         | 281       | 3     | 700  | 2958   | 0            | -11.1 | 13.7                 | 0            | 44         | 328       | 5     |
| 850  | 1437   | 0            | -6.8  | 8.8                  | 4            | 11         | 27        | 1     | 850   | 1440   | 0            | -4.8  | 8.4                  | 4            | 24         | 260       | 2     | 850  | 1448   | 0            | -4.8  | 8.8                  | 0            | 33         | 335       | 3     |
| 1013   | * 46   |              | -7.2  | 2.2                  |              |            |           |       | 1017  | * 25   |              | -5.7  | .8                   |              |            |           |       | 1019   | * 51   |              | -5.1  | 1.2                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>N AMERICA - CANADA</b><br><b>FORT SMITH UA.</b><br>71934 MAY 2006 6001N 11150W OB 3     |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>FORT NELSON UA, BC</b><br>71945 MAY 2006 5850N 12230W OB 3           |             |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>INUVIK UA, NWT</b><br>71957 MAY 2006 6819N 13330W OB 3                |        |              |             |                      |              |            |           |       |
| 030  | 24009  | 3            | -52.5 | 33.1                 | 7            | 55         | 66        | 3     | 030  | 23998       | 8            | -52.5 | 32.7                 | 8            | 49         | 74        | 2     | 030   | 24038  | 1            | -50.3       | 32.2                 | 4            | 15         | 209       | 1     |
| 050  | 20714  | 3            | -53.1 | 32.9                 | 6            | 45         | 317       | 2     | 050  | 20705       | 8            | -53.3 | 32.5                 | 7            | 19         | 264       | 1     | 050   | 20709  | 1            | -50.7       | 32.2                 | 3            | 32         | 241       | 2     |
| 100  | 16246  | 2            | -51.7 | 33.4                 | 4            | 79         | 279       | 7     | 100  | 16231       | 7            | -51.0 | 33.1                 | 6            | 77         | 244       | 6     | 100   | 16184  | 0            | -49.3       | 32.6                 | 1            | 55         | 258       | 4     |
| 150  | 13603  | 1            | -49.0 | 34.0                 | 2            | 78         | 268       | 9     | 150  | 13589       | 3            | -48.6 | 33.7                 | 4            | 72         | 237       | 7     | 150   | 13514  | 0            | -47.3       | 33.0                 | 1            | 52         | 270       | 4     |
| 200  | 11717  | 1            | -50.3 | 29.7                 | 1            | 75         | 263       | 12    | 200  | 11705       | 1            | -49.7 | 30.0                 | 1            | 73         | 239       | 10    | 200   | 11605  | 0            | -46.8       | 31.8                 | 1            | 56         | 279       | 5     |
| 300  | 9096   | 1            | -48.8 | 8.5                  | 3            | 67         | 263       | 15    | 300  | 9076        | 1            | -49.2 | 7.9                  | 1            | 59         | 228       | 12    | 300   | 8953   | 0            | -50.1       | 11.6                 | 4            | 49         | 295       | 8     |
| 500  | 5545   | 1            | -22.6 | 12.7                 | 0            | 73         | 271       | 9     | 500  | 5542        | 1            | -23.4 | 8.5                  | 1            | 55         | 232       | 7     | 500   | 5458   | 0            | -27.1       | 9.4                  | 1            | 46         | 275       | 5     |
| 700  | 2997   | 1            | -6.9  | 7.3                  | 0            | 48         | 288       | 4     | 700  | 2998        | 1            | -7.3  | 4.0                  | 1            | 50         | 234       | 4     | 700   | 2951   | 0            | -11.2       | 6.0                  | 1            | 40         | 280       | 3     |
| 850  | 1453   | 1            | 2.9   | 8.2                  | 0            | 16         | 265       | 1     | 850  | 1452        | 0            | 3.3   | 7.6                  | 0            | 20         | 318       | 1     | 850   | 1435   | 0            | -2.5        | 6.7                  | 1            | 27         | 295       | 2     |
| 990  | * 204  |              | 5.9   | 3.7                  |              |            |           |       | 969  | * 382       |              | 4.0   | 2.8                  |              |            |           |       | 1009  | * 103  |              | -1.2        | 1.3                  |              |            |           |       |
| <b>N AMERICA - CANADA</b><br><b>WHITEHORSE, UA, YT</b><br>71964 MAY 2006 6044N 13500W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - MEXICO</b><br><b>CHIHUAHUA, CHIH.</b><br>76225 MAY 2006 2838N 10600W OB 3             |             |              |       |                      |              |            |           |       | <b>N AMERICA - MEXICO</b><br><b>AEROP.INTERNAZIONALE MONTERRE</b><br>76394 MAY 2006 2552N 10010W OB 3 |        |              |             |                      |              |            |           |       |
| 030  | 23986  | 0            | -52.2 | 31.2                 | 0            | 40         | 95        | 3     | 030  |             |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |           |       |
| 050  | 20687  | 0            | -52.5 | 31.0                 | 0            | 17         | 186       | 1     | 050  |             |              |       |                      |              |            |           |       | 050   |        |              |             |                      |              |            |           |       |
| 100  | 16193  | 0            | -50.2 | 30.6                 | 0            | 34         | 228       | 3     | 100  | 16498       | 2            | -68.2 |                      | 2            |            | 249       | 13    | 100   | 16419  |              |             |                      |              |            | 263       | 12    |
| 150  | 13531  | 0            | -47.9 | 29.8                 | 0            | 31         | 241       | 3     | 150  | 14029       | 1            | -62.6 |                      | 2            |            | 246       | 22    | 150   | 13953  |              |             |                      |              |            | 260       | 21    |
| 200  | 11632  | 0            | -48.4 | 24.2                 | 0            | 34         | 233       | 4     | 200  | 12242       | 1            | -57.0 |                      | 3            |            | 249       | 16    | 200   | 12286  | 18           | -56.2       |                      |              |            | 269       | 25    |
| 300  | 8990   | 0            | -49.8 | 7.7                  | 0            | 28         | 202       | 5     | 300  | 9570        | 1            | -37.6 | 15.6                 | 1            |            | 247       | 13    | 300   | 9573   | 16           | -36.4       | 15.3                 |              |            | 267       | 15    |
| 500  | 5478   | 0            | -26.0 | 8.0                  | 0            | 36         | 179       | 5     | 500  | 5830        | 1            | -10.4 | 16.1                 | 1            |            | 242       | 7     | 500   | 5850   | 18           | -9.6        | 15.5                 |              |            |           |       |
| 700  | 2962   | 0            | -10.0 | 5.2                  | 0            | 29         | 195       | 3     | 700  | 3139        | 1            | 11.5  | 21.0                 | 1            |            | 243       | 2     | 700   | 3148   | 19           | 12.6        | 23.8                 |              |            | 32        | 3     |
| 850  | 1438   | 0            | -2    | 6.4                  | 0            | 46         | 180       | 3     | 850  |             |              |       |                      |              |            |           |       | 850   |        |              |             |                      |              |            |           |       |
| 931  | * 707  |              | 1.7   | 4.4                  |              |            |           |       | 851  | * 1433      |              | 19.7  | 18.9                 |              |            |           |       | 958   | * 448  |              | 22.0        | 3.2                  |              |            |           |       |
| <b>N AMERICA - MEXICO</b><br><b>LA PAZ, BCS</b><br>76405 MAY 2006 2410N 11010W OB          |        |              |       |                      |              |            |           |       | <b>N AMERICA - MEXICO</b><br><b>COLONIA JUAN CARRASCO MAZATL</b><br>76458 MAY 2006 2312N 10620W OB 3 |             |              |       |                      |              |            |           |       | <b>N AMERICA - MEXICO</b><br><b>GUADALAJARA, JAL.</b><br>76612 MAY 2006 2040N 10320W OB               |        |              |             |                      |              |            |           |       |
| 030  |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |           |       |
| 050  |        |              |       |                      |              |            |           |       | 050  |             |              |       |                      |              |            |           |       | 050   |        |              |             |                      |              |            |           |       |
| 100  | 16543  | 3            | -72.3 |                      | 6            |            | 265       | 11    | 100  | 16545       | 1            | -73.3 |                      | 1            |            | 249       | 9     | 100   | 16548  | 16           | -74.0       |                      |              |            | 270       | 8     |
| 150  | 14108  | 1            | -64.8 |                      | 4            |            | 270       | 23    | 150  | 14121       | 1            | -64.9 |                      | 0            |            | 269       | 23    | 150   | 14139  | 15           | -65.9       |                      |              |            | 264       | 26    |
| 200  | 12327  | 1            | -54.6 |                      | 2            |            | 245       | 26    | 200  | 12331       | 0            | -55.4 |                      | 0            |            | 247       | 24    | 200   | 12349  | 15           | -54.8       |                      |              |            | 263       | 24    |
| 300  | 9620   | 2            | -33.0 | 24.0                 | 3            |            | 247       | 18    | 300  | 9630        | 0            | -34.7 | 21.2                 | 0            |            | 246       | 17    | 300   | 9640   | 14           | -34.1       | 19.7                 |              |            | 258       | 13    |
| 500  | 5850   | 1            | -7.6  | 34.7                 | 2            |            | 262       | 5     | 500  | 5860        | 0            | -8.2  | 22.4                 | 0            |            | 245       | 5     | 500   | 5860   | 12           | -8.0        | 15.9                 |              |            | 264       | 4     |
| 700  | 3150   | 2            | 10.2  | 23.5                 | 2            |            | 221       | 6     | 700  | 3156        | 0            | 11.0  | 17.7                 | 0            |            | 217       | 3     | 700   | 3159   | 12           | 10.6        | 12.6                 |              |            | 260       | 3     |
| 850  |        |              |       |                      |              |            |           |       | 850  |             |              |       |                      |              |            |           |       | 846   | * 1551 |              | 15.0        | 5.3                  |              |            |           |       |
| 1009   | * 18   |              | 18.1  | 4.7                  |              |            |           |       | 1011   | * 4         |              | 22.9  | 2.1                  |              |            |           |       |   |        |              |             |                      |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |     |    |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |    |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |    |
| <b>N AMERICA - MEXICO</b><br>AEROP.INTERNACIONAL MERIDA,<br>76644 MAY 2006 2059N 08939W OB 3                |        |              |       |                      |              |            |           |       | <b>N AMERICA - MEXICO</b><br>AEROP. INTERNACIONAL MEXICO,<br>76679 MAY 2006 1926N 09908W OB 3      |             |              |       |                      |              |            |           |       | <b>N AMERICA - MEXICO</b><br>HACIENDA YLANG YLANG VERACRU<br>76692 MAY 2006 1909N 09607W OB 3       |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       |   | 030    |              |             |                      |              |            |           |       |     |    |
| 050   |        |              |       |                      |              |            |           |       | 050  |             |              |       |                      |              |            |           |       |   | 050    |              |             |                      |              |            |           |       |     |    |
| 100   | 16552  | 1            | -75.5 |                      | 1            |            | 243       | 8     | 100  | 16583       | 3            | -76.1 |                      |              | 3          |           | 267   | 6   | 100    | 16566        | 11          | -76.7                |              |            |           | 268   | 5   |    |
| 150   | 14169  | 1            | -67.6 |                      | 1            |            | 260       | 27    | 150  | 14200       | 3            | -67.3 |                      |              | 3          |           | 257   | 22  | 150    | 14189        | 9           | -67.8                |              |            |           | 266   | 18  |    |
| 200   | 12384  | 1            | -54.4 |                      | 1            |            | 258       | 27    | 200  | 12412       | 3            | -53.6 |                      |              | 3          |           | 256   | 21  | 200    | 12402        | 9           | -53.9                |              |            |           | 259   | 18  |    |
| 300   | 9660   | 1            | -32.8 | 15.6                 | 1            |            | 260       | 18    | 300  | 9680        | 2            | -32.2 | 16.2                 |              | 2          |           | 266   | 14  | 300    | 9670         | 6           | -31.9                | 17.0         | 6          |           | 257   | 12  |    |
| 500   | 5860   | 1            | -7.1  | 13.0                 | 1            |            | 247       | 6     | 500  | 5880        | 2            | -7.3  | 10.4                 |              | 2          |           | 215   | 4   | 500    | 5860         | 6           | -6.1                 | 15.4         | 6          |           | 231   | 4   |    |
| 700   | 3159   | 1            | 9.3   | 15.9                 | 1            |            | 193       | 2     | 700  | 3158        | 2            | 13.6  | 13.4                 |              | 2          |           | 192   | 3   | 700    | 3150         | 6           | 9.9                  | 11.9         | 6          |           | 250   | 1   |    |
| 850   |        |              |       |                      |              |            |           |       | 850  |             |              |       |                      |              |            |           |       |   | 850    |              |             |                      |              |            |           |       |     |    |
| 1011  | * 9    |              | 23.8  | 2.4                  |              |            |           |       | 773  | *2235       |              | 21.8  | 14.8                 |              |            |           |       |   | 1008   | * 16         |             | 25.2                 | 3.6          |            |           |       |     |    |
| <b>N AMERICA - MEXICO</b><br>ACAPULCO, GRO.<br>76805 MAY 2006 1650N 09956W OB                               |        |              |       |                      |              |            |           |       | <b>N AMERICA - JAMAICA</b><br>KINGSTON/NORMAN MANLEY<br>78397 MAY 2006 1756N 07647W OB 3           |             |              |       |                      |              |            |           |       | <b>N AMERICA - COSTA RICA</b><br>JUAN SANTAMARIA INT. AIRPORT<br>78762 MAY 2006 0959N 08413W OB 2   |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030  | 23900       | 11           | -54.7 | 9.3                  |              | 9          | 98        | 97    | 15  | 030    | 23817        | 0           | -54.1                |              |            | 0         | 82    | 85  | 7  |
| 050   |        |              |       |                      |              |            |           |       | 050  | 20707       | 8            | -63.0 | 8.1                  |              | 9          | 97        | 97    | 11  | 050    | 20624        | 0           | -65.8                |              |            | 0         | 96    | 88  | 15 |
| 100   | 16587  | 4            | -77.8 |                      | 6            |            | 240       | 3     | 100  | 16600       | 8            | -77.1 | 6.7                  |              | 9          | 67        | 307   | 6   | 100    | 16600        | 0           | -80.8                |              |            | 0         | 35    | 105 | 3  |
| 150   | 14220  | 3            | -68.0 |                      | 4            |            | 257       | 15    | 150  | 14240       | 7            | -67.1 | 7.4                  |              | 8          | 90        | 278   | 16  | 150    | 14257        | 0           | -68.6                |              |            | 0         | 39    | 73  | 3  |
| 200   | 12433  | 3            | -53.8 | 1.1                  | 3            |            | 249       | 14    | 200  | 12443       | 4            | -53.1 | 9.0                  |              | 5          | 89        | 280   | 14  | 200    | 12472        | 0           | -53.5                |              |            | 0         | 28    | 81  | 2  |
| 300   | 9700   | 3            | -31.4 | 23.2                 | 5            |            | 247       | 8     | 300  | 9703        | 3            | -31.4 | 11.7                 |              | 4          | 76        | 284   | 9   | 300    | 9727         | 0           | -30.3                | 15.4         |            | 0         | 39    | 114 | 3  |
| 500   | 5880   | 3            | -5.5  | 16.0                 | 3            |            | 1         | 1     | 500  | 5890        | 3            | -7.2  | 16.4                 |              | 4          | 37        | 272   | 3   | 500    | 5896         | 0           | -5.1                 | 13.5         |            | 0         | 70    | 119 | 4  |
| 700   | 3162   | 3            | 10.2  | 5.2                  | 5            |            | 43        | 3     | 700  | 3172        | 2            | 10.4  | 13.9                 |              | 3          | 50        | 105   | 3   | 700    | 3174         | 0           | 10.1                 | 10.8         |            | 1         | 66    | 81  | 3  |
| 850   |        |              |       |                      |              |            |           |       | 850  | 1532        | 2            | 18.0  | 6.6                  |              | 3          | 88        | 125   | 6   | 850    | 1530         | 0           | 18.7                 | 8.2          |            | 2         | 81    | 87  | 5  |
| 1011  | * 3    |              | 25.0  | 2.5                  |              |            |           |       | 1013   | * 14        |              | 28.2  | 6.1                  |              |            |           |       |   | 914    | * 934        |             | 19.9                 | 3.2          |            |           |       |     |    |
| <b>N AMERICA - NETHERLANDS ANTILLES &amp; ARUBA</b><br>JULIANA AIRPORT,<br>78866 MAY 2006 1802N 06307W OB 2 |        |              |       |                      |              |            |           |       | <b>N AMERICA - TRINIDAD AND TOBAGO</b><br>PIARCO INT. AIRPORT,<br>78970 MAY 2006 1037N 06121W OB 2 |             |              |       |                      |              |            |           |       | <b>N AMERICA - CURACAO AND BONAIRE</b><br>HATO AIRPORT, CURACAO<br>78988 MAY 2006 1212N 06858W OB 3 |        |              |             |                      |              |            |           |       |     |    |
| 030   | 23921  | 13           | -54.6 |                      | 9            | 98         | 94        | 14    | 030  | 23869       | 5            | -53.5 |                      |              | 5          | 96        | 95    | 9   | 030    | 23852        | 3           | -53.7                |              |            | 3         | 98    | 89  | 12 |
| 050   | 20680  | 10           | -63.7 |                      | 9            | 82         | 79        | 9     | 050  | 20668       | 1            | -65.0 |                      |              | 2          | 99        | 95    | 15  | 050    | 20649        | 3           | -64.7                |              |            | 3         | 99    | 90  | 14 |
| 100   | 16596  | 6            | -76.2 |                      | 6            | 77         | 300       | 9     | 100  | 16614       | 0            | -79.3 |                      |              | 0          | 54        | 300   | 4   | 100    | 16592        | 2           | -78.9                |              |            | 2         | 36    | 342 | 3  |
| 150   | 14268  | 5            | -67.0 |                      | 5            | 79         | 291       | 15    | 150  | 14252       | 0            | -66.9 |                      |              | 0          | 36        | 320   | 4   | 150    | 14235        | 2           | -67.2                |              |            | 2         | 52    | 302 | 7  |
| 200   | 12460  | 2            | -53.8 |                      | 2            | 76         | 286       | 14    | 200  | 12459       | 0            | -53.3 |                      |              | 0          | 19        | 310   | 2   | 200    | 12444        | 2           | -53.1                |              |            | 2         | 35    | 286 | 4  |
| 300   | 9711   | 1            | -31.8 | 12.3                 | 1            | 79         | 275       | 10    | 300  | 9728        | 0            | -30.9 | 18.9                 |              | 0          | 5         | 95    | 1   | 300    | 9699         | 2           | -30.5                | 10.9         |            | 2         | 13    | 259 | 1  |
| 500   | 5900   | 1            | -6.0  | 11.1                 | 1            | 56         | 266       | 4     | 500  | 5901        | 0            | -4.9  | 24.7                 |              | 0          | 76        | 100   | 4   | 500    | 5870         | 2           | -5.1                 | 11.6         |            | 2         | 59    | 113 | 5  |
| 700   | 3190   | 1            | 8.8   | 5.1                  | 1            | 43         | 147       | 2     | 700  | 3182        | 0            | 9.7   | 15.7                 |              | 0          | 60        | 75    | 5   | 700    | 3151         | 2           | 10.0                 | 9.4          |            | 2         | 88    | 121 | 7  |
| 850   | 1562   | 1            | 16.9  | 4.0                  | 1            | 72         | 118       | 4     | 850  | 1544        | 0            | 17.6  | 5.1                  |              | 0          | 83        | 100   | 7   | 850    | 1510         | 2           | 18.4                 | 4.4          |            | 2         | 75    | 117 | 7  |
| 1016  | * 4    |              | 26.7  | 5.2                  |              |            |           |       | 1013   | * 15        |              | 27.9  | 4.0                  |              |            |           |       |   | 1004   | * 54         |             | 26.4                 | 2.2          |            |           |       |     |    |



# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>N AMERICA - COLOMBIA</b><br>SAN ANDRES (ISLA)/SESQUICENT<br>80001 MAY 2006 1235N 08143W OB 2 |        |              |       |                      |              |            |           |       | <b>S AMERICA - COLOMBIA</b><br>BOGOTA/ELDORADO<br>80222 MAY 2006 0442N 07409W OB 3     |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>MANAUS (AEROPORTO)<br>82332 MAY 2006 0309S 05959W OB 2 |        |              |             |                      |              |            |           |       |
| 030   | 23877  | 12           | -54.7 |                      | 9            | 99         | 93        | 13    | 030  | 23820       | 9            | -52.0 |                      | 9            | 90         | 280       | 11    | 030   | 23833  | 12           | -52.9       | 27.5                 | 9            | 99         | 270       | 18    |
| 050   | 20648  | 8            | -64.8 |                      | 9            | 98         | 85        | 13    | 050  | 20603       | 3            | -64.4 |                      | 9            | 16         | 91        | 16    | 050   | 20609  | 8            | -63.3       | 15.5                 | 8            | 76         | 99        | 8     |
| 100   | 16628  | 7            | -79.7 |                      | 7            | 36         | 83        | 2     | 100  | 16580       | 2            | -80.0 |                      | 9            | 39         | 98        | 3     | 100   | 16583  | 5            | -81.1       | 7.3                  | 5            | 72         | 259       | 7     |
| 150   | 14270  | 7            | -67.3 |                      | 7            | 37         | 239       | 2     | 150  | 14248       | 1            | -68.1 |                      | 9            | 62         | 12        | 6     | 150   | 14236  | 5            | -67.8       | 10.5                 | 6            | 71         | 264       | 8     |
| 200   | 12477  | 6            | -52.3 |                      | 6            | 49         | 248       | 3     | 200  | 12443       | 1            | -53.7 |                      | 9            | 48         | 46        | 4     | 200   | 12450  | 5            | -54.0       | 15.2                 | 5            | 40         | 10        | 4     |
| 300   | 9733   | 5            | -29.8 | 13.9                 | 5            | 19         | 191       | 1     | 300  | 9703        | 1            | -31.0 | 13.7                 | 9            | 57         | 115       | 4     | 300   | 9712   | 4            | -30.8       | 15.4                 | 5            | 67         | 43        | 4     |
| 500   | 5885   | 5            | -4.6  | 13.7                 | 5            | 66         | 118       | 4     | 500  | 5878        | 1            | -5.2  | 5.9                  | 9            | 71         | 124       | 3     | 500   | 5887   | 4            | -5.7        | 5.9                  | 4            | 90         | 85        | 5     |
| 700   | 3160   | 5            | 10.3  | 10.9                 | 5            | 83         | 95        | 5     | 700  | 3157        | 1            | 8.8   | 3.0                  | 9            | 89         | 142       | 3     | 700   | 3174   | 3            | 8.7         | 2.4                  | 3            | 92         | 80        | 6     |
| 850   | 1519   | 5            | 17.9  | 4.3                  | 5            | 89         | 69        | 6     | 753  | *2547       |              | 10.5  | .4                   |              |            |           |       | 850   | 1538   | 3            | 17.1        | 1.8                  | 3            | 91         | 93        | 7     |
| 1011  | * 6    |              | 27.2  | 2.7                  |              |            |           |       |  |             |              |       |                      |              |            |           |       | 1005  | * 84   |              | 24.9        | 1.6                  |              |            |           |       |
| <b>S AMERICA - BRAZIL</b><br>FORTALEZA<br>82397 MAY 2006 0346S 03836W OB                        |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>FERNANDO DE NORONHA<br>82400 MAY 2006 0351S 03225W OB 2   |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>NATAL AEROPORTO<br>82599 MAY 2006 0555S 03515W OB 2    |        |              |             |                      |              |            |           |       |
| 030   |        |              |       |                      |              |            |           |       | 030  | 23798       | 7            | -54.4 |                      | 9            | 97         | 269       | 16    | 030   | 23846  | 15           | -52.7       | 16.4                 | 9            | 92         | 271       | 11    |
| 050   | 20605  | 8            | -64.8 |                      | 8            | 79         | 89        | 10    | 050  | 20596       | 4            | -64.5 |                      | 8            | 77         | 92        | 9     | 050   | 20622  | 5            | -64.1       | 10.9                 | 6            | 87         | 93        | 10    |
| 100   | 16592  | 5            | -80.7 |                      | 5            | 47         | 279       | 4     | 100  | 16593       | 4            | -81.1 |                      | 7            | 17         | 263       | 2     | 100   | 16593  | 2            | -80.5       | 8.1                  | 2            | 47         | 275       | 4     |
| 150   | 14240  | 5            | -67.9 |                      | 5            | 55         | 286       | 6     | 150  | 14243       | 3            | -67.8 |                      | 6            | 45         | 296       | 5     | 150   | 14243  | 2            | -67.9       | 10.3                 | 2            | 73         | 280       | 8     |
| 200   | 12454  | 5            | -53.8 |                      | 5            | 44         | 322       | 4     | 200  | 12455       | 3            | -53.7 |                      | 7            | 50         | 324       | 5     | 200   | 12455  | 2            | -53.6       | 12.8                 | 2            | 70         | 288       | 7     |
| 300   | 9715   | 5            | -30.8 | 17.8                 | 5            | 58         | 67        | 4     | 300  | 9719        | 3            | -31.2 | 16.5                 | 7            | 36         | 89        | 3     | 300   | 9714   | 2            | -31.1       | 15.3                 | 2            | 1          | 308       | 1     |
| 500   | 5889   | 5            | -5.6  | 11.8                 | 5            | 88         | 88        | 7     | 500  | 5894        | 3            | -5.5  | 13.7                 | 8            | 92         | 83        | 6     | 500   | 5890   | 2            | -5.6        | 11.4                 | 2            | 83         | 90        | 5     |
| 700   | 3171   | 4            | 9.8   | 10.6                 | 4            | 94         | 91        | 8     | 700  | 3176        | 3            | 9.7   | 11.8                 | 7            | 85         | 105       | 6     | 700   | 3173   | 2            | 9.9         | 9.3                  | 2            | 93         | 103       | 7     |
| 850   | 1532   | 4            | 17.4  | 6.4                  | 4            | 93         | 116       | 9     | 850  | 1537        | 3            | 17.7  | 6.7                  | 7            | 89         | 107       | 6     | 850   | 1535   | 2            | 17.2        | 2.7                  | 2            | 93         | 119       | 9     |
| 1011  | * 26   |              | 26.7  | 2.8                  |              |            |           |       | 1008   | * 56        |              | 29.0  | 4.8                  |              |            |           |       | 1010  | * 52   |              | 27.7        | 2.7                  |              |            |           |       |
| <b>S AMERICA - BRAZIL</b><br>FLORIANO<br>82678 MAY 2006 0646S 04301W OB 2                       |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>PORTO VELHO (AEROPORTO)<br>82824 MAY 2006 0846S 06355W OB |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>RECIFE<br>82900 MAY 2006 0803S 03455W OB 2             |        |              |             |                      |              |            |           |       |
| 030   |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       | 030   | 23805  | 7            | -53.7       |                      | 8            | 89         | 277       | 8     |
| 050   | 20604  | 5            | -65.7 |                      | 6            | 92         | 91        | 11    | 050  |             |              |       |                      |              |            |           |       | 050   | 20605  | 4            | -65.3       |                      | 4            | 95         | 95        | 10    |
| 100   | 16583  | 3            | -80.0 |                      | 3            | 63         | 284       | 6     | 100  | 16555       | 9            | -80.1 |                      | 9            | 56         | 270       | 5     | 100   | 16582  | 3            | -79.7       |                      | 3            | 67         | 283       | 6     |
| 150   | 14231  | 2            | -68.3 |                      | 2            | 81         | 260       | 11    | 150  | 14203       | 4            | -68.2 |                      | 8            | 85         | 266       | 15    | 150   | 14226  | 3            | -68.3       |                      | 3            | 81         | 280       | 11    |
| 200   | 12446  | 2            | -54.2 |                      | 2            | 60         | 303       | 8     | 200  | 12419       | 4            | -54.4 |                      | 8            | 61         | 308       | 9     | 200   | 12441  | 3            | -54.1       |                      | 3            | 85         | 288       | 11    |
| 300   | 9713   | 2            | -31.4 | 13.3                 | 2            | 47         | 338       | 4     | 300  | 9698        | 3            | -31.8 | 15.7                 | 7            | 56         | 325       | 5     | 300   | 9706   | 3            | -31.5       | 18.6                 | 3            | 65         | 280       | 6     |
| 500   | 5891   | 2            | -5.7  | 13.4                 | 2            | 55         | 68        | 3     | 500  | 5873        | 2            | -6.0  | 11.9                 | 5            | 18         | 13        | 1     | 500   | 5888   | 3            | -5.7        | 18.0                 | 4            | 40         | 82        | 2     |
| 700   | 3175   | 2            | 9.7   | 14.1                 | 2            | 83         | 90        | 5     | 700  | 3164        | 2            | 8.4   | 5.6                  | 5            | 73         | 77        | 4     | 700   | 3174   | 3            | 9.4         | 12.4                 | 4            | 85         | 107       | 6     |
| 850   | 1539   | 2            | 17.4  | 6.7                  | 2            | 99         | 102       | 8     | 850  | 1530        | 2            | 16.8  | 4.5                  | 7            | 78         | 85        | 6     | 850   | 1538   | 3            | 16.8        | 6.0                  | 4            | 92         | 131       | 6     |
| 1001  | * 127  |              | 26.1  | 4.7                  |              |            |           |       | 1004   | * 102       |              | 23.0  | 1.4                  |              |            |           |       | 1014  | * 7    |              | 27.2        | 3.5                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |      |                      | VECTOR WIND  |            |           |       |   |    |     |    |  |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|------|----------------------|--------------|------------|-----------|-------|---|----|-----|----|--|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |   |    |     |    |  |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C   | °C                   |              | %          | o         | mps   |   |    |     |    |  |
| <b>S AMERICA - BRAZIL SALVADOR</b><br>83229 MAY 2006 1301S 03831W OB 2             |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL BOM JESUS DA LAPA</b><br>83288 MAY 2006 1316S 04325W OB 2 |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL CUIABA (AEROPORTO)</b><br>83362 MAY 2006 1539S 05606W OB         |        |              |      |                      |              |            |           |       |   |    |     |    |  |
| 030  |        |              |       |                      |              |            |           |       | 030   | 23782  | 15           | -54.4 |                      |              |            |           | 9     | 23   | 72     | 2            | 030  | 23792                | 10           | -55.6      |           |       |   |    |     |    |  |
| 050  | 20616  | 5            | -65.4 |                      | 5            | 89         | 88        | 9     | 050   | 20602  | 8            | -65.1 |                      |              |            |           | 8     | 89   | 92     | 8            | 050  | 20616                | 9            | -66.2      |           |       |   |    |     |    |  |
| 100  | 16548  | 4            | -77.8 |                      | 5            | 88         | 277       | 11    | 100   | 16545  | 7            | -77.6 |                      |              |            |           | 8     | 89   | 279    | 13           | 100  | 16550                | 2            | -77.2      |           |       |   |    |     |    |  |
| 150  | 14198  | 4            | -67.9 |                      | 5            | 95         | 278       | 19    | 150   | 14184  | 7            | -67.7 |                      |              |            |           | 8     | 93   | 270    | 20           | 150  | 14175                | 1            | -67.8      |           |       | 7 | 96 | 264 | 26 |  |
| 200  | 12414  | 4            | -54.4 |                      | 5            | 93         | 278       | 22    | 200   | 12398  | 7            | -54.5 |                      |              |            |           | 7     | 94   | 275    | 24           | 200  | 12392                | 1            | -54.6      |           |       | 7 | 90 | 278 | 26 |  |
| 300  | 9688   | 4            | -32.3 | 21.2                 | 4            | 97         | 274       | 18    | 300   | 9674   | 7            | -32.5 | 18.2                 |              |            |           | 7     | 92   | 274    | 18           | 300  | 9669                 | 1            | -33.0      | 24.4      |       | 5 | 91 | 278 | 20 |  |
| 500  | 5884   | 4            | -6.3  | 21.0                 | 4            | 60         | 293       | 5     | 500   | 5871   | 7            | -6.8  | 21.6                 |              |            |           | 9     | 71   | 290    | 6            | 500  | 5878                 | 1            | -6.8       | 36.4      |       | 6 | 59 | 254 | 5  |  |
| 700  | 3174   | 3            | 8.5   | 16.6                 | 3            | 27         | 72        | 2     | 700   | 3165   | 7            | 8.6   | 18.0                 |              |            |           | 9     | 13   | 176    | 1            | 700  | 3177                 | 1            | 8.1        | 17.2      |       | 5 | 73 | 277 | 4  |  |
| 850  | 1549   | 3            | 15.3  | 5.5                  | 3            | 88         | 135       | 6     | 850   | 1535   | 7            | 16.9  | 9.0                  |              |            |           | 9     | 67   | 105    | 3            | 850  | 1549                 | 1            | 15.9       | 10.8      |       | 4 | 39 | 86  | 2  |  |
| 1011   | * 51   |              | 25.3  | 2.9                  |              |            |           |       | 965   | * 440  |              | 22.3  | 2.9                  |              |            |           |       |  |        |              |      | 996                  | * 187        |            | 20.2      | 3.0   |   |    |     |    |  |
| <b>S AMERICA - BRAZIL BRASILIA (AEROPORTO)</b><br>83378 MAY 2006 1552S 04756W OB 3 |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL CARAVELAS</b><br>83498 MAY 2006 1744S 03915W OB 2         |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL CAMPO GRANDE (AEROPORTO)</b><br>83612 MAY 2006 2028S 05440W OB 2 |        |              |      |                      |              |            |           |       |   |    |     |    |  |
| 030  | 23828  | 7            | -53.0 |                      | 8            | 36         | 61        | 2     | 030   | 23792  | 12           | -55.6 |                      |              |            |           | 9     | 1  | 260    | 1            | 030  | 23820                | 5            | -57.1      |           |       | 5 | 33 | 51  | 2  |  |
| 050  | 20650  | 4            | -65.2 |                      | 4            | 67         | 108       | 5     | 050   | 20627  | 5            | -65.8 |                      |              |            |           | 7     | 54   | 93     | 4            | 050  | 20651                | 1            | -65.0      |           |       | 2 | 29 | 86  | 2  |  |
| 100  | 16574  | 3            | -77.3 |                      | 3            | 91         | 271       | 15    | 100   | 16533  | 5            | -75.8 |                      |              |            |           | 6     | 97   | 270    | 17           | 100  | 16536                | 1            | -73.5      |           |       | 2 | 92 | 264 | 18 |  |
| 150  | 14196  | 3            | -67.4 |                      | 3            | 96         | 267       | 26    | 150   | 14148  | 6            | -66.9 |                      |              |            |           | 5     | 96   | 274    | 26           | 150  | 14130                | 1            | -66.2      |           |       | 2 | 98 | 268 | 32 |  |
| 200  | 12411  | 3            | -54.5 |                      | 3            | 93         | 280       | 27    | 200   | 12360  | 5            | -54.5 |                      |              |            |           | 6     | 97   | 276    | 30           | 200  | 12343                | 1            | -55.3      |           |       | 2 | 93 | 274 | 33 |  |
| 300  | 9688   | 3            | -32.9 | 19.8                 | 3            | 93         | 276       | 22    | 300   | 9645   | 5            | -33.9 | 23.6                 |              |            |           | 5     | 94   | 275    | 23           | 300  | 9639                 | 1            | -35.2      | 29.6      |       | 2 | 92 | 268 | 23 |  |
| 500  | 5894   | 3            | -6.5  | 29.4                 | 3            | 67         | 270       | 6     | 500   | 5869   | 5            | -7.3  | 30.5                 |              |            |           | 5     | 79   | 270    | 10           | 500  | 5879                 | 1            | -8.0       | 34.6      |       | 2 | 71 | 252 | 8  |  |
| 700  | 3193   | 3            | 8.1   | 15.6                 | 3            | 36         | 319       | 2     | 700   | 3170   | 5            | 8.1   | 20.9                 |              |            |           | 5     | 46   | 271    | 3            | 700  | 3186                 | 1            | 6.9        | 16.5      |       | 2 | 62 | 258 | 4  |  |
| 850  | 1564   | 3            | 16.4  | 6.3                  | 3            | 91         | 80        | 6     | 850   | 1550   | 6            | 13.7  | 7.2                  |              |            |           | 6     | 59   | 167    | 3            | 850  | 1566                 | 1            | 15.0       | 13.3      |       | 2 | 32 | 313 | 2  |  |
| 901  | *1061  |              | 18.0  | 5.2                  |              |            |           |       | 1018  | * 3    |              | 24.1  | 2.7                  |              |            |           |       |  |        |              |      | 954                  | * 567        |            | 17.8      | 9.1   |   |    |     |    |  |
| <b>S AMERICA - BRAZIL GALEAO</b><br>83746 MAY 2006 2249S 04315W OB 2               |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL MARTE</b><br>83779 MAY 2006 2330S 04638W OB               |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL FOZ DO IGUACU (AEROPORTO)</b><br>83827 MAY 2006 2531S 05435W OB  |        |              |      |                      |              |            |           |       |   |    |     |    |  |
| 030  | 23820  | 14           | -55.9 | 19.5                 | 9            | 45         | 48        | 3     | 030   | 23806  | 7            | -57.0 |                      |              |            |           | 7     | 15   | 276    | 1            | 030  | 23793                | 8            | -56.9      | 14.0      |       | 8 | 36 | 301 | 2  |  |
| 050  | 20628  | 7            | -63.8 | 13.0                 | 8            | 33         | 268       | 2     | 050   | 20629  | 2            | -63.7 |                      |              |            |           | 4     | 46   | 289    | 3            | 050  | 20613                | 5            | -63.2      | 12.1      |       | 5 | 43 | 279 | 3  |  |
| 100  | 16472  | 5            | -70.9 | 10.0                 | 5            | 93         | 273       | 22    | 100   | 16464  | 1            | -70.7 |                      |              |            |           | 2     | 93   | 269    | 20           | 100  | 16441                | 3            | -69.6      | 9.4       |       | 3 | 92 | 260 | 18 |  |
| 150  | 14042  | 6            | -64.6 | 11.8                 | 6            | 97         | 271       | 35    | 150   | 14029  | 1            | -64.3 |                      |              |            |           | 2     | 97   | 271    | 34           | 150  | 13957                | 3            | -63.3      | 10.1      |       | 3 | 97 | 266 | 32 |  |
| 200  | 12254  | 3            | -55.7 | 15.2                 | 5            | 86         | 275       | 36    | 200   | 12237  | 1            | -55.8 |                      |              |            |           | 2     | 95   | 273    | 38           | 200  | 12200                | 3            | -56.9      | 11.3      |       | 3 | 92 | 266 | 34 |  |
| 300  | 9565   | 3            | -37.1 | 21.7                 | 4            | 93         | 272       | 28    | 300   | 9553   | 1            | -37.7 | 28.3                 |              |            |           | 3     | 90   | 269    | 26           | 300  | 9531                 | 3            | -38.6      | 18.4      |       | 3 | 87 | 260 | 22 |  |
| 500  | 5832   | 1            | -9.8  | 27.9                 | 1            | 84         | 265       | 14    | 500   | 5827   | 1            | -10.3 | 25.7                 |              |            |           | 3     | 90   | 264    | 14           | 500  | 5813                 | 3            | -10.6      | 21.8      |       | 3 | 83 | 252 | 12 |  |
| 700  | 3157   | 1            | 5.5   | 21.4                 | 1            | 79         | 270       | 8     | 700   | 3152   | 1            | 5.3   | 21.9                 |              |            |           | 3     | 83   | 273    | 8            | 700  | 3142                 | 3            | 5.4        | 20.7      |       | 3 | 61 | 223 | 6  |  |
| 850  | 1551   | 1            | 12.2  | 4.5                  | 1            | 57         | 281       | 3     | 850   | 1545   | 1            | 11.7  | 7.1                  |              |            |           | 3     | 8  | 352    | 1            | 850  | 1534                 | 3            | 16.2       | 12.9      |       | 3 | 27 | 250 | 2  |  |
| 1019   | * 6    |              | 21.3  | 3.4                  |              |            |           |       | 937   | * 722  |              | 16.4  | 4.8                  |              |            |           |       |  |        |              |      | 991                  | * 180        |            | 12.6      | 3.0   |   |    |     |    |  |

# UPPER AIR

# MAY 2006

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |     |    |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |    |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |    |
| <b>S AMERICA - BRAZIL</b><br>CURITIBA (AEROPORTO)<br>83840 MAY 2006 2531S 04910W OB 2 |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>PORTO ALEGRE (AEROPORTO)<br>83971 MAY 2006 3000S 05111W OB 2 |             |              |       |                      |              |            |           |       | <b>S AMERICA - CHILE</b><br>ANTOFAGASTA<br>85442 MAY 2006 2326S 07027W OB 2     |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   | 23797       | 8            | -57.7 | 20.0                 |              | 9          | 73        | 267   | 4   | 030    | 23831        | 4           | -55.9                | 32.1         |            | 5         | 19    | 97  | 2  |
| 050   |        |              |       |                      |              |            |           |       | 050   | 20598       | 4            | -62.5 | 16.4                 |              | 5          | 56        | 256   | 5   | 050    | 20645        | 2           | -64.6                | 29.6         |            | 2         | 9     | 177 | 1  |
| 100   |        |              |       |                      |              |            |           |       | 100   | 16371       | 2            | -65.3 | 14.5                 |              | 3          | 93        | 257   | 21  | 100    | 16517        | 1           | -72.2                |              |            | 1         | 92    | 269 | 15 |
| 150   | 13997  | 11           | -62.2 | 11.4                 |              |            |           |       | 150   | 13877       | 2            | -60.2 | 14.7                 |              | 2          | 95        | 260   | 30  | 150    | 14092        | 1           | -64.2                | 22.9         |            | 1         | 94    | 274 | 27 |
| 200   | 12181  | 9            | -56.0 | 13.4                 | 9            | 89         | 272       | 33    | 200   | 12067       | 1            | -57.3 | 15.0                 |              | 1          | 89        | 261   | 30  | 200    | 12295        | 1           | -55.5                | 21.7         |            | 1         | 92    | 275 | 28 |
| 300   | 9523   | 7            | -38.6 | 19.3                 | 9            | 87         | 260       | 24    | 300   | 9421        | 1            | -41.3 | 20.6                 |              | 1          | 82        | 257   | 24  | 300    | 9597         | 0           | -36.2                | 25.5         |            | 0         | 87    | 269 | 19 |
| 500   | 5808   | 1            | -11.3 | 21.1                 | 1            | 88         | 264       | 15    | 500   | 5755        | 0            | -14.4 | 18.4                 |              | 0          | 77        | 252   | 14  | 500    | 5855         | 0           | -8.3                 | 30.2         |            | 0         | 70    | 278 | 7  |
| 700   | 3144   | 1            | 4.9   | 19.5                 | 1            | 76         | 257       | 7     | 700   | 3121        | 0            | 1.8   | 21.2                 |              | 0          | 70        | 242   | 7   | 700    | 3150         | 0           | 10.4                 |              |            | 0         | 51    | 7   | 3  |
| 850   | 1544   | 1            | 9.5   | 3.9                  | 1            | 7          | 34        | 1     | 850   | 1536        | 0            | 7.9   | 7.0                  |              | 0          | 13        | 268   | 1   | 850    | 1510         | 0           | 18.7                 | 27.6         |            | 0         | 63    | 68  | 3  |
| 917   | * 908  |              | 11.5  | 1.4                  |              |            |           |       | 1021  | * 3         |              | 13.5  | 1.4                  |              |            |           |       |   | 1002   | * 140        |             | 14.0                 | 3.1          |            |           |       |     |    |
| <b>S AMERICA - CHILE</b><br>ISLA DE PASCUA<br>85469 MAY 2006 2710S 10920W OB 1        |        |              |       |                      |              |            |           |       | <b>S AMERICA - CHILE</b><br>SANTO DOMINGO<br>85586 MAY 2006 3339S 07137W OB               |             |              |       |                      |              |            |           |       | <b>S AMERICA - CHILE</b><br>PUERTO MONTT<br>85799 MAY 2006 4126S 07306W OB 2    |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       |   | 030    | 23748        | 5           | -59.5                |              |            | 5         | 95    | 264 | 13 |
| 050   | 20623  |              |       |                      |              |            |           |       | 050   | 20597       | 4            | -63.0 | 27.4                 |              | 5          | 73        | 246   | 8   | 050    | 20553        | 2           | -60.3                |              |            | 3         | 94    | 269 | 13 |
| 100   | 16403  | 1            | -67.0 |                      | 1            | 89         | 272       | 23    | 100   | 16375       | 3            | -64.4 | 26.0                 |              | 3          | 86        | 272   | 15  | 100    | 16239        | 0           | -60.4                |              |            | 0         | 91    | 272 | 20 |
| 150   | 13937  | 1            | -63.5 | 18.0                 | 2            | 88         | 268       | 32    | 150   | 13871       | 2            | -60.7 | 22.0                 |              | 2          | 90        | 265   | 28  | 150    | 13703        | 0           | -58.5                |              |            | 0         | 90    | 272 | 23 |
| 200   | 12155  | 0            | -57.7 | 11.9                 | 0            | 84         | 267       | 33    | 200   | 12081       | 2            | -59.8 | 11.0                 |              | 1          | 84        | 262   | 30  | 200    | 11897        | 0           | -59.1                |              |            | 0         | 83    | 276 | 26 |
| 300   | 9483   | 0            | -37.6 | 14.1                 | 1            | 83         | 275       | 27    | 300   | 9451        | 2            | -41.1 | 11.8                 |              | 2          | 84        | 262   | 24  | 300    | 9282         | 0           | -44.5                | 13.3         |            | 0         | 77    | 281 | 22 |
| 500   | 5756   | 0            | -10.9 | 15.8                 | 1            | 84         | 276       | 19    | 500   | 5773        | 0            | -13.6 | 14.9                 |              | 0          | 83        | 279   | 14  | 500    | 5660         | 0           | -17.7                | 16.3         |            | 0         | 78    | 283 | 14 |
| 700   | 3095   | 0            | 3.4   | 15.3                 | 3            | 85         | 275       | 12    | 700   | 3125        | 0            | 4.5   | 22.7                 |              | 0          | 75        | 310   | 6   | 700    | 3059         | 0           | -1.4                 | 15.9         |            | 0         | 71    | 297 | 8  |
| 850   | 1497   | 0            | 10.3  | 5.4                  | 3            | 63         | 257       | 6     | 850   | 1517        | 0            | 13.9  | 25.4                 |              | 0          | 19        | 332   | 1   | 850    | 1488         | 0           | 6.7                  | 15.5         |            | 0         | 44    | 314 | 5  |
| 1008  | * 69   |              | 20.7  | 5.5                  |              |            |           |       | 1009  | * 75        |              | 9.6   | 1.6                  |              |            |           |       |   | 1007   | * 90         |             | 6.2                  | .8           |            |           |       |     |    |
| <b>S AMERICA - CHILE</b><br>PUNTA ARENAS<br>85934 MAY 2006 5300S 07051W OB 2          |        |              |       |                      |              |            |           |       | <b>S AMERICA - ARGENTINA</b><br>RESISTENCIA AERO<br>87155 MAY 2006 2727S 05903W OB 2      |             |              |       |                      |              |            |           |       | <b>S AMERICA - ARGENTINA</b><br>EZEIZA AERO<br>87576 MAY 2006 3449S 05832W OB 3 |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       |   | 030    | 23728        | 3           | -58.4                |              |            | 4         | 77    | 255 | 8  |
| 050   | 20270  | 5            | -60.8 | 30.2                 | 5            | 96         | 272       | 23    | 050   |             |              |       |                      |              |            |           |       |   | 050    | 20558        | 1           | -62.8                |              |            | 2         | 72    | 240 | 7  |
| 100   | 15937  | 2            | -57.9 | 29.8                 | 3            | 91         | 276       | 23    | 100   |             |              |       |                      |              |            |           |       |   | 100    | 16305        | 0           | -63.6                |              |            | 0         | 90    | 255 | 20 |
| 150   | 13363  | 2            | -56.8 | 27.4                 | 2            | 89         | 277       | 28    | 150   | 13990       | 9            | -56.3 |                      |              |            |           |       |   | 150    | 13802        | 0           | -59.7                |              |            | 0         | 88    | 255 | 25 |
| 200   | 11558  | 2            | -60.5 | 15.1                 | 2            | 85         | 283       | 28    | 200   | 12196       | 4            | -56.4 |                      |              |            |           |       |   | 200    | 12004        | 0           | -59.6                |              |            | 0         | 81    | 245 | 27 |
| 300   | 8988   | 1            | -48.7 | 10.0                 | 1            | 80         | 280       | 26    | 300   | 9524        | 0            | -39.1 | 17.4                 |              | 0          | 88        | 252   | 23  | 300    | 9386         | 0           | -43.3                | 18.9         |            | 1         | 67    | 240 | 19 |
| 500   | 5445   | 0            | -23.2 | 14.9                 | 0            | 78         | 281       | 20    | 500   | 5818        | 0            | -11.2 | 21.2                 |              | 1          | 78        | 246   | 10  | 500    | 5739         | 0           | -15.3                | 26.9         |            | 1         | 73    | 245 | 14 |
| 700   | 2898   | 0            | -6.8  | 12.1                 | 0            | 76         | 277       | 15    | 700   | 3148        | 0            | 5.4   | 19.7                 |              | 0          | 31        | 247   | 2   | 700    | 3114         | 0           | .8                   | 30.7         |            | 0         | 55    | 240 | 5  |
| 850   | 1357   | 0            | 1.0   | 8.6                  | 0            | 75         | 277       | 14    | 850   | 1541        | 0            | 12.2  | 18.2                 |              | 0          | 11        | 360   | 1   | 850    | 1537         | 0           | 7.0                  | 21.6         |            | 0         | 30    | 230 | 2  |
| 1000  | * 43   |              | 4.8   | 2.8                  |              |            |           |       | 1014  | * 53        |              | 11.1  | 1.2                  |              |            |           |       |   | 1021   | * 20         |             | 7.7                  | 1.4          |            |           |       |     |    |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |      |                      | VECTOR WIND  |            |           |       |     |    |  |  |  |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|------|----------------------|--------------|------------|-----------|-------|-----|----|--|--|--|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |    |  |  |  |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C   | °C                   |              | %          | o         | mps   |     |    |  |  |  |
| <b>S AMERICA - ARGENTINA</b><br>SANTA ROSA AERO<br>87623 MAY 2006 3634S 06416W OB /    |        |              |       |                      |              |            |           |       | <b>S AMERICA - ISLANDS</b><br>MOUNT PLEASANT AIRPORT<br>88889 MAY 2006 5149S 05827W OB       |        |              |       |                      |              |            |           |       | <b>ANTARCTICA - AUSTRALIA (ANTARCTIC)</b><br>MAWSON<br>89564 MAY 2006 6736S 06252E OB 3      |        |              |      |                      |              |            |           |       |     |    |  |  |  |
| 030  | 23756  | 11           | -59.2 |                      | 9            | 77         | 251       | 9     | 030  | 23422  | 2            | -63.8 | 28.0                 |              | 2          | 96        | 260   | 27   | 030    |              |      |                      |              |            |           |       |     |    |  |  |  |
| 050  | 20566  | 6            | -61.9 |                      | 8            | 90         | 245       | 9     | 050  | 20282  | 1            | -62.3 | 28.7                 |              | 1          | 95        | 262   | 24   | 050    | 19304        | 5    | -70.3                | 24.3         |            | 6         | 98    | 269 | 30 |  |  |  |
| 100  | 16302  | 0            | -62.9 |                      | 1            | 92         | 256       | 19    | 100  | 15970  | 1            | -58.9 | 29.7                 |              | 1          | 94        | 261   | 23   | 100    | 15122        | 0    | -65.1                | 26.1         |            | 1         | 97    | 268 | 23 |  |  |  |
| 150  | 13791  | 0            | -59.7 |                      | 1            | 89         | 260       | 26    | 150  | 13416  | 1            | -57.6 | 26.6                 |              | 1          | 89        | 262   | 24   | 150    | 12631        | 0    | -61.7                | 26.1         |            | 1         | 94    | 271 | 19 |  |  |  |
| 200  | 11994  | 0            | -59.7 |                      | 0            | 79         | 258       | 27    | 200  | 11606  | 1            | -59.2 | 16.7                 |              | 1          | 84        | 259   | 25   | 200    | 10847        | 0    | -61.3                | 19.8         |            | 1         | 84    | 270 | 16 |  |  |  |
| 300  | 9376   | 0            | -43.0 | 15.2                 | 1            | 73         | 258       | 20    | 300  | 9025   | 1            | -49.2 | 10.3                 |              | 1          | 76        | 261   | 22   | 300    | 8329         | 0    | -57.6                | 8.5          |            | 1         | 72    | 269 | 16 |  |  |  |
| 500  | 5728   | 0            | -15.6 | 21.4                 | 1            | 75         | 268       | 13    | 500  | 5484   | 1            | -23.0 | 12.7                 |              | 1          | 79        | 271   | 16   | 500    | 4948         | 0    | -36.1                | 11.0         |            | 0         | 58    | 252 | 7  |  |  |  |
| 700  | 3104   | 0            | 1.2   | 26.8                 | 1            | 60         | 285       | 5     | 700  | 2937   | 1            | -6.4  | 14.8                 |              | 1          | 77        | 271   | 12   | 700    | 2545         | 0    | -22.8                | 14.0         |            | 0         | 33    | 186 | 3  |  |  |  |
| 850  | 1521   | 0            | 7.6   | 18.7                 | 2            | 27         | 310       | 2     | 850  | 1394   | 1            | 1.9   | 10.2                 |              | 1          | 70        | 278   | 10   | 850    | 1118         | 0    | -20.9                | 13.3         |            | 0         | 87    | 106 | 8  |  |  |  |
| 998  | * 191  |              | 4.7   | 2.3                  |              |            |           |       | 1000   | * 74   |              | 5.9   | 2.3                  |              |            |           |       |  | 986    | * 16         |      | -18.4                | 9.6          |            |           |       |     |    |  |  |  |
| <b>ANTARCTICA - AUSTRALIA (ANTARCTIC)</b><br>DAVIS<br>89571 MAY 2006 6835S 07758E OB 3 |        |              |       |                      |              |            |           |       | <b>ANTARCTICA - AUSTRALIA (ANTARCTIC)</b><br>CASEY<br>89611 MAY 2006 6617S 11030E OB 3       |        |              |       |                      |              |            |           |       | <b>ANTARCTICA - GERMANY (ANTARCTIC)</b><br>NEUMAYER<br>89002 MAY 2006 7040S 00815W OB 2      |        |              |      |                      |              |            |           |       |     |    |  |  |  |
| 030  | 22240  | 0            | -72.6 | 20.3                 | 0            | 98         | 271       | 34    | 030  |        |              |       |                      |              |            |           |       |  | 030    | 22226        | 9    | -74.5                | 16.4         |            | 9         | 93    | 259 | 28 |  |  |  |
| 050  | 19230  | 0            | -70.9 | 20.4                 | 0            | 96         | 269       | 28    | 050  | 19394  | 3            | -65.8 | 25.7                 |              | 3          | 97        | 278   | 30   | 050    | 19222        | 5    | -71.9                | 17.0         |            | 5         | 92    | 250 | 24 |  |  |  |
| 100  | 15071  | 0            | -64.9 | 23.7                 | 0            | 95         | 263       | 20    | 100  | 15137  | 3            | -60.6 | 28.0                 |              | 3          | 95        | 275   | 22   | 100    | 15065        | 4    | -65.1                | 20.0         |            | 4         | 88    | 244 | 18 |  |  |  |
| 150  | 12578  | 0            | -61.6 | 24.1                 | 0            | 96         | 258       | 19    | 150  | 12594  | 3            | -57.2 | 29.4                 |              | 3          | 96        | 272   | 19   | 150    | 12568        | 4    | -61.0                | 21.7         |            | 4         | 83    | 240 | 14 |  |  |  |
| 200  | 10793  | 0            | -61.0 | 19.1                 | 0            | 90         | 252       | 18    | 200  | 10767  | 3            | -55.6 | 27.1                 |              | 3          | 93        | 272   | 16   | 200    | 10773        | 4    | -59.4                | 20.1         |            | 4         | 78    | 236 | 13 |  |  |  |
| 300  | 8267   | 0            | -57.5 | 9.8                  | 0            | 73         | 249       | 15    | 300  | 8193   | 0            | -57.6 | 11.9                 |              | 0          | 79        | 269   | 13   | 300    | 8240         | 4    | -58.3                | 9.3          |            | 4         | 70    | 227 | 11 |  |  |  |
| 500  | 4902   | 0            | -38.0 | 13.7                 | 0            | 61         | 237       | 8     | 500  | 4851   | 0            | -39.6 | 12.2                 |              | 0          | 45        | 269   | 5  | 500    | 4895         | 4    | -39.0                | 10.2         |            | 4         | 52    | 229 | 5  |  |  |  |
| 700  | 2513   | 0            | -24.1 | 14.7                 | 0            | 31         | 179       | 3     | 700  | 2474   | 0            | -24.2 | 10.9                 |              | 0          | 34        | 238   | 3  | 700    | 2516         | 4    | -24.3                | 9.6          |            | 4         | 23    | 236 | 2  |  |  |  |
| 850  | 1090   | 0            | -22.2 | 8.6                  | 0            | 73         | 53        | 5     | 850  | 1039   | 0            | -18.5 | 6.3                  |              | 0          | 31        | 72    | 2  | 850    | 1081         | 4    | -17.5                | 7.8          |            | 4         | 16    | 28  | 1  |  |  |  |
| 982  | * 23   |              | -19.6 | 6.3                  |              |            |           |       | 971  | * 42   |              | -18.2 | 3.1                  |              |            |           |       |  | 977    | * 50         |      | -24.0                | 3.1          |            |           |       |     |    |  |  |  |
| <b>ANTARCTICA - JAPAN (ANTARCTIC)</b><br>SYOWA<br>89532 MAY 2006 6900S 03935E OB 1     |        |              |       |                      |              |            |           |       | <b>ANTARCTICA - UNITED KINGDOM (ANTARCTIC)</b><br>HALLEY<br>89022 MAY 2006 7535S 02639W OB 2 |        |              |       |                      |              |            |           |       | <b>ANTARCTICA - USSR (ANTARCTIC)</b><br>NOVOLAZAREVSKAJA<br>89512 MAY 2006 7046S 01150E OB 1 |        |              |      |                      |              |            |           |       |     |    |  |  |  |
| 030  | 22162  | 1            | -75.5 |                      | 1            | 97         | 272       | 30    | 030  | 22056  | 5            | -76.6 | 18.5                 |              | 5          | 97        | 247   | 26   | 030    |              |      |                      |              |            |           |       |     |    |  |  |  |
| 050  | 19196  | 0            | -72.4 |                      | 0            | 96         | 272       | 24    | 050  | 19106  | 2            | -73.5 | 19.6                 |              | 2          | 96        | 247   | 21   | 050    | 19089        | 9    | -73.4                | 5.0          |            | 9         | 93    | 263 | 41 |  |  |  |
| 100  | 15063  | 0            | -66.2 |                      | 0            | 93         | 276       | 18    | 100  | 14990  | 2            | -66.6 | 23.3                 |              | 2          | 91        | 247   | 15   | 100    | 14994        | 0    | -65.9                | 5.3          |            | 0         | 86    | 258 | 28 |  |  |  |
| 150  | 12582  | 0            | -62.0 |                      | 0            | 86         | 279       | 13    | 150  | 12509  | 2            | -61.8 | 25.0                 |              | 2          | 84        | 245   | 13   | 150    | 12509        | 0    | -61.6                | 5.1          |            | 0         | 79    | 264 | 20 |  |  |  |
| 200  | 10798  | 0            | -61.6 |                      | 0            | 74         | 289       | 11    | 200  | 10721  | 2            | -60.3 | 20.6                 |              | 2          | 77        | 245   | 11   | 200    | 10722        | 0    | -60.4                | 4.7          |            | 1         | 64    | 265 | 14 |  |  |  |
| 300  | 8291   | 0            | -59.1 |                      | 0            | 56         | 314       | 10    | 300  | 8203   | 2            | -60.1 | 8.5                  |              | 2          | 39        | 243   | 7  | 300    | 8213         | 0    | -59.5                | 4.3          |            | 2         | 21    | 304 | 6  |  |  |  |
| 500  | 4929   | 0            | -36.8 | 7.0                  | 0            | 39         | 343       | 5     | 500  | 4869   | 1            | -39.2 | 9.5                  |              | 2          | 22        | 242   | 3  | 500    | 4877         | 0    | -38.9                | 5.0          |            | 0         | 39    | 40  | 7  |  |  |  |
| 700  | 2529   | 0            | -22.3 | 4.8                  | 0            | 60         | 34        | 5     | 700  | 2487   | 1            | -23.7 | 8.4                  |              | 1          | 9         | 179   | 1  | 700    | 2501         | 0    | -24.8                | 5.6          |            | 0         | 80    | 89  | 15 |  |  |  |
| 850  | 1081   | 0            | -14.9 | 4.3                  | 0            | 91         | 36        | 11    | 850  | 1049   | 1            | -17.9 | 8.5                  |              | 2          | 42        | 76    | 4  | 850    | 1072         | 0    | -17.5                | 9.0          |            | 1         | 95    | 98  | 31 |  |  |  |
| 977  | * 21   |              | -10.6 | 4.1                  |              |            |           |       | 975  | * 35   |              | -23.0 | 3.1                  |              |            |           |       |  | 964    | * 119        |      | -12.5                | 9.9          |            |           |       |     |    |  |  |  |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL | TEMPERATURE  |        |              | VECTOR WIND |                      |              | LEVEL      | TEMPERATURE |       |  | VECTOR WIND |              |       |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-------------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION   | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o           | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   |
| <b>ANTARCTICA - USSR (ANTARCTIC)<br/>MIRNYJ</b><br>89592 MAY 2006 6633S 09301E OB 1            |        |              |       |                      |              |            |           |       | <b>W PACIFIC - MALAYSIA (PENIN. MALAYSIA)<br/>PENANG/BAYAN LEPAS</b><br>48601 MAY 2006 0518N 10010E OB 3           |        |              |             |                      |              |            |             |       | <b>W PACIFIC - MALAYSIA (PENIN. MALAYSIA)<br/>KOTA BHARU</b><br>48615 MAY 2006 0610N 10210E OB 3 |             |              |       |                      |              |            |           |       |
| 030  | 22270  | 11           | -71.8 | 6.3                  | 9            | 97         | 277       | 72    | 030  | 23836  | 13           | -54.0       | 32.6                 | 9            | 21         | 313         | 1     | 030  | 23858       | 8            | -52.9 | 32.9                 | 8            | 25         | 271       | 2     |
| 050  | 19320  | 5            | -67.9 | 6.5                  | 8            | 96         | 275       | 57    | 050  | 20631  | 12           | -63.4       | 22.9                 | 9            | 80         | 85          | 9     | 050  | 20635       | 7            | -64.2 | 22.7                 | 7            | 94         | 88        | 14    |
| 100  | 15118  | 3            | -62.0 | 6.7                  | 3            | 96         | 266       | 43    | 100  | 16614  | 8            | -81.6       | 6.5                  | 8            | 89         | 86          | 13    | 100  | 16624       | 1            | -81.7 | 6.3                  | 1            | 92         | 88        | 13    |
| 150  | 12592  | 3            | -58.5 | 6.5                  | 3            | 93         | 260       | 36    | 150  | 14270  | 6            | -67.8       | 6.4                  | 6            | 95         | 67          | 19    | 150  | 14278       | 0            | -67.5 | 7.1                  | 0            | 94         | 68        | 15    |
| 200  | 10786  | 2            | -58.2 | 6.4                  | 3            | 91         | 255       | 33    | 200  | 12479  | 5            | -52.5       | 7.4                  | 4            | 89         | 59          | 12    | 200  | 12487       | 0            | -52.4 | 7.3                  | 0            | 88         | 63        | 11    |
| 300  | 8240   | 2            | -57.1 | 5.9                  | 2            | 81         | 247       | 32    | 300  | 9722   | 4            | -29.5       | 6.0                  | 0            | 53         | 66          | 4     | 300  | 9730        | 0            | -29.4 | 8.7                  | 0            | 64         | 68        | 4     |
| 500  | 4873   | 2            | -38.1 | 7.0                  | 2            | 64         | 242       | 17    | 500  | 5882   | 0            | -4.7        | 4.6                  | 0            | 34         | 186         | 2     | 500  | 5888        | 0            | -4.6  | 6.0                  | 0            | 25         | 148       | 1     |
| 700  | 2486   | 2            | -23.9 | 7.2                  | 2            | 40         | 211       | 7     | 700  | 3155   | 0            | 10.5        | 4.7                  | 0            | 62         | 265         | 4     | 700  | 3161        | 0            | 10.4  | 4.7                  | 0            | 51         | 278       | 3     |
| 850  | 1058   | 2            | -21.6 | 6.2                  | 3            | 76         | 95        | 12    | 850  | 1508   | 0            | 19.2        | 3.5                  | 0            | 37         | 271         | 1     | 850  | 1513        | 0            | 19.5  | 4.7                  | 0            | 51         | 277       | 2     |
| 974  | * 40   |              | -21.3 | 3.9                  |              |            |           |       | 1009   | * 4    |              | 26.8        | 2.7                  |              |            |             |       | 1009   | * 5         |              | 26.4  | 3.1                  |              |            |           |       |
| <b>SW PACIFIC - SINGAPORE<br/>SINGAPORE/CHANGI AIRPORT</b><br>48698 MAY 2006 0122N 10350E OB 3 |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - USA (PACIFIC OCEAN NORTH)<br/>HILO/GEN. LYMAN, HAWAII, HAW</b><br>91285 MAY 2006 1943N 15500W OB 2 |        |              |             |                      |              |            |             |       | <b>SW PACIFIC - NEW CALEDONIA<br/>NOUMEA (NLE-CALEDONIE)</b><br>91592 MAY 2006 2217S 16627E OB 3 |             |              |       |                      |              |            |           |       |
| 030  | 23800  | 2            | -53.9 | 32.6                 | 2            | 93         | 273       | 11    | 030  | 23833  | 1            | -55.8       | 10.7                 | 1            | 98         | 84          | 13    | 030  | 23824       | 5            | -57.3 |                      | 5            | 40         | 52        | 2     |
| 050  | 20582  | 2            | -63.1 | 27.6                 | 2            | 57         | 85        | 7     | 050  | 20642  | 1            | -63.6       | 9.1                  | 1            | 97         | 87          | 9     | 050  | 20623       | 1            | -63.3 |                      | 1            | 55         | 288       | 3     |
| 100  | 16586  | 0            | -81.6 | 10.8                 | 0            | 40         | 91        | 4     | 100  | 16476  | 0            | -70.8       | 8.0                  | 0            | 94         | 268         | 12    | 100  | 16508       | 0            | -75.0 |                      | 0            | 96         | 272       | 25    |
| 150  | 14237  | 0            | -67.8 | 10.0                 | 0            | 92         | 61        | 13    | 150  | 14061  | 0            | -66.6       | 8.3                  | 0            | 94         | 271         | 26    | 150  | 14117       | 0            | -66.0 |                      | 0            | 97         | 272       | 43    |
| 200  | 12447  | 0            | -53.0 | 9.8                  | 0            | 89         | 58        | 10    | 200  | 12284  | 0            | -56.7       | 9.7                  | 0            | 87         | 272         | 22    | 200  | 12325       | 0            | -53.4 |                      | 0            | 97         | 275       | 47    |
| 300  | 9698   | 0            | -30.3 | 9.7                  | 0            | 75         | 68        | 6     | 300  | 9595   | 0            | -36.2       | 13.5                 | 0            | 73         | 277         | 10    | 300  | 9594        | 0            | -33.3 | 16.0                 | 0            | 96         | 277       | 40    |
| 500  | 5867   | 0            | -5.0  | 8.5                  | 0            | 17         | 86        | 1     | 500  | 5841   | 0            | -8.5        | 17.8                 | 0            | 36         | 301         | 3     | 500  | 5818        | 0            | -8.6  | 17.9                 | 0            | 95         | 276       | 21    |
| 700  | 3145   | 0            | 9.8   | 5.5                  | 0            | 51         | 294       | 3     | 700  | 3148   | 0            | 7.6         | 15.8                 | 0            | 17         | 35          | 1     | 700  | 3133        | 0            | 5.9   | 18.7                 | 0            | 75         | 274       | 8     |
| 850  | 1502   | 0            | 18.9  | 5.3                  | 0            | 54         | 240       | 2     | 850  | 1537   | 0            | 11.9        | 1.9                  | 0            | 69         | 84          | 3     | 850  | 1522        | 0            | 12.5  | 4.2                  | 0            | 8          | 277       | 1     |
| 1007   | * 16   |              | 27.7  | 2.5                  |              |            |           |       | 1017   | * 11   |              | 20.0        | 2.5                  |              |            |             |       | 1009   | * 72        |              | 21.6  | 4.1                  |              |            |           |       |
| <b>SW PACIFIC - KIRIBATI<br/>TARAWA</b><br>91610 MAY 2006 0121N 17250E OB 3                    |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - TUVALU<br/>FUNAFUTI</b><br>91643 MAY 2006 0831S 17910E OB 3  |        |              |             |                      |              |            |             |       | <b>SW PACIFIC - FIJI<br/>NADI AIRPORT</b><br>91680 MAY 2006 1745S 17720E OB 3                    |             |              |       |                      |              |            |           |       |
| 030  | 23846  | 1            | -53.1 |                      | 1            | 98         | 263       | 15    | 030  | 23835  | 1            | -53.7       |                      | 1            | 85         | 262         | 10    | 030  | 23879       | 3            | -55.4 |                      |              |            |           |       |
| 050  | 20625  | 1            | -63.5 |                      | 1            | 47         | 98        | 7     | 050  | 20631  | 0            | -63.8       |                      | 0            | 50         | 106         | 6     | 050  | 20680       | 0            | -63.5 |                      |              |            |           |       |
| 100  | 16595  | 1            | -80.7 |                      | 6            | 67         | 279       | 8     | 100  | 16599  | 0            | -81.5       |                      | 3            | 55         | 265         | 5     | 100  | 16592       | 0            | -77.9 | 19.6                 |              |            |           |       |
| 150  | 14242  | 1            | -67.5 |                      | 1            | 30         | 220       | 3     | 150  | 14250  | 0            | -67.7       |                      | 0            | 60         | 180         | 5     | 150  | 14226       | 0            | -67.2 | 17.5                 |              |            |           |       |
| 200  | 12449  | 1            | -52.8 |                      | 1            | 35         | 209       | 3     | 200  | 12458  | 0            | -52.9       |                      | 0            | 59         | 179         | 5     | 200  | 12433       | 0            | -53.1 | 17.4                 | 4            | 92         | 266       | 27    |
| 300  | 9701   | 1            | -30.6 | 23.6                 | 1            | 29         | 158       | 2     | 300  | 9711   | 0            | -30.5       | 22.2                 | 0            | 64         | 167         | 4     | 300  | 9690        | 0            | -30.7 | 17.5                 | 3            | 93         | 269       | 22    |
| 500  | 5872   | 1            | -5.0  | 18.7                 | 2            | 75         | 98        | 6     | 500  | 5878   | 0            | -4.7        | 18.8                 | 1            | 90         | 92          | 7     | 500  | 5871        | 0            | -5.7  | 17.5                 | 4            | 91         | 275       | 12    |
| 700  | 3152   | 1            | 10.6  | 13.6                 | 2            | 71         | 98        | 5     | 700  | 3155   | 0            | 10.6        | 11.9                 | 2            | 89         | 89          | 6     | 700  | 3157        | 0            | 9.8   | 19.1                 | 1            | 82         | 280       | 6     |
| 850  | 1508   | 1            | 18.5  | 10.1                 | 2            | 73         | 87        | 5     | 850  | 1511   | 0            | 18.5        | 8.0                  | 1            | 86         | 89          | 5     | 850  | 1521        | 0            | 17.0  | 10.1                 | 3            | 27         | 5         | 1     |
| 1010   | * 4    |              | 30.3  | 5.4                  |              |            |           |       | 1010   | * 2    |              | 30.9        | 5.8                  |              |            |             |       | 1012   | * 18        |              | 29.0  | 7.6                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL | TEMPERATURE   |        |              | VECTOR WIND |                      |              | LEVEL      | TEMPERATURE |       |   | VECTOR WIND |              |      |                      |              |            |           |       |   |    |     |    |  |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-------------|-------|---|-------------|--------------|------|----------------------|--------------|------------|-----------|-------|---|----|-----|----|--|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION   | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |   |    |     |    |  |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o           | mps   | hPa   | gpm         |              | °C   | °C                   |              | %          | o         | mps   |   |    |     |    |  |
| <b>SW PACIFIC - SAMOA AND AMERICAN SAMOA</b><br><b>PAGO PAGO/INT.AIRP.</b><br>91765 MAY 2006 1420S 17040W OB 2 |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - COOK ISLANDS</b><br><b>PENRHYN</b><br>91801 MAY 2006 0902S 15800W OB                |        |              |             |                      |              |            |             |       | <b>W PACIFIC - FRENCH POLY. (MARQUESAS IS)</b><br><b>ATUONA</b><br>91925 MAY 2006 0949S 13902W OB 1 |             |              |      |                      |              |            |           |       |   |    |     |    |  |
| 030  | 23812  | 4            | -54.7 | 20.5                 | 5            | 41         | 97        | 2     | 030   | 23796  | 3            | -54.2       |                      |              | 3          | 94          | 276   | 7   | 030         |              |      |                      |              |            |           |       |   |    |     |    |  |
| 050  | 20632  | 4            | -64.7 | 11.0                 | 5            | 84         | 82        | 4     | 050   | 20609  | 3            | -65.0       |                      |              | 3          | 91          | 88    | 8   | 050         | 20622        | 9    | -65.2                |              |            |           |       | 9 | 74 | 91  | 7  |  |
| 100  | 16581  | 0            | -80.4 | 6.0                  | 1            | 83         | 250       | 9     | 100   | 16571  | 3            | -80.2       |                      |              | 3          | 51          | 257   | 3   | 100         | 16588        | 1    | -79.1                |              |            |           |       | 1 | 82 | 300 | 5  |  |
| 150  | 14234  | 0            | -67.8 | 7.2                  | 1            | 91         | 244       | 13    | 150   | 14219  | 1            | -67.9       |                      |              | 3          | 66          | 212   | 9   | 150         | 14225        | 0    | -67.0                |              |            |           |       | 0 | 89 | 288 | 12 |  |
| 200  | 12446  | 0            | -53.6 | 8.7                  | 1            | 89         | 240       | 15    | 200   | 12433  | 1            | -53.9       |                      |              | 3          | 58          | 199   | 8   | 200         | 12435        | 0    | -53.1                |              |            |           |       | 0 | 65 | 296 | 9  |  |
| 300  | 9710   | 0            | -31.4 | 10.7                 | 1            | 85         | 242       | 11    | 300   | 9699   | 1            | -31.6       | 17.7                 |              | 3          | 60          | 174   | 7   | 300         | 9695         | 0    | -31.4                | 29.4         |            |           |       | 0 | 30 | 306 | 4  |  |
| 500  | 5891   | 0            | -5.6  | 12.7                 | 1            | 61         | 289       | 5     | 500   | 5880   | 1            | -5.6        | 14.6                 |              | 3          | 58          | 93    | 5   | 500         | 5872         | 0    | -3.9                 | 29.7         |            |           |       | 0 | 53 | 97  | 4  |  |
| 700  | 3170   | 0            | 10.5  | 12.4                 | 1            | 33         | 285       | 2     | 700   | 3163   | 1            | 10.0        | 8.6                  |              | 3          | 87          | 72    | 5   | 700         | 3145         | 0    | 11.2                 | 20.6         |            |           |       | 0 | 57 | 82  | 4  |  |
| 850  | 1528   | 0            | 17.2  | 2.7                  | 2            | 27         | 69        | 2     | 850   | 1521   | 1            | 18.0        | 4.1                  |              | 3          | 90          | 72    | 5   | 850         | 1503         | 0    | 17.3                 | 4.7          |            |           |       | 0 | 92 | 87  | 6  |  |
| 1011   | * 6    |              | 27.4  | 3.8                  |              |            |           |       | 1011  | * 1    |              | 31.0        | 5.4                  |              |            |             |       |   | 1004        | * 53         |      | 29.3                 | 5.8          |            |           |       |   |    |     |    |  |
| <b>SW PACIFIC - FRENCH POLY. (SOCIETY IS)</b><br><b>TAHITI-FAAA</b><br>91938 MAY 2006 1733S 14937W OB 3        |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - FRENCH POLY. (TUAMOTU IS)</b><br><b>RIKITEA</b><br>91948 MAY 2006 2308S 13458W OB 1 |        |              |             |                      |              |            |             |       | <b>SW PACIFIC - FRENCH POLY. (AUSTRAL IS)</b><br><b>TUBUAI</b><br>91954 MAY 2006 2321S 14929W OB    |             |              |      |                      |              |            |           |       |   |    |     |    |  |
| 030  | 23868  | 3            | -55.4 |                      | 3            | 10         | 270       | 1     | 030   | 23839  | 1            | -56.5       |                      |              | 1          | 33          | 24    | 2   | 030         | 23843        | 7    | -56.0                |              |            |           |       | 7 | 11 | 234 | 1  |  |
| 050  | 20679  | 2            | -64.1 |                      | 2            | 55         | 70        | 3     | 050   | 20650  | 0            | -63.3       |                      |              | 0          | 40          | 249   | 2   | 050         | 20654        | 2    | -63.4                |              |            |           |       | 2 | 40 | 320 | 2  |  |
| 100  | 16593  | 0            | -76.4 |                      | 0            | 85         | 285       | 9     | 100   | 16528  | 0            | -73.3       |                      |              | 0          | 91          | 266   | 15  | 100         | 16522        | 0    | -73.2                |              |            |           |       | 0 | 94 | 282 | 17 |  |
| 150  | 14207  | 0            | -66.2 |                      | 0            | 76         | 271       | 13    | 150   | 14123  | 0            | -65.9       |                      |              | 0          | 87          | 263   | 24  | 150         | 14107        | 0    | -65.1                |              |            |           |       | 1 | 91 | 280 | 26 |  |
| 200  | 12417  | 0            | -53.7 |                      | 0            | 74         | 259       | 13    | 200   | 12343  | 0            | -55.4       |                      |              | 0          | 81          | 259   | 23  | 200         | 12320        | 0    | -54.9                |              |            |           |       | 0 | 85 | 283 | 26 |  |
| 300  | 9687   | 0            | -32.4 | 25.9                 | 0            | 68         | 276       | 10    | 300   | 9633   | 0            | -33.9       | 21.4                 |              | 0          | 83          | 269   | 18  | 300         | 9608         | 0    | -33.9                | 17.8         |            |           |       | 0 | 88 | 287 | 24 |  |
| 500  | 5883   | 0            | -5.6  | 21.6                 | 0            | 71         | 295       | 8     | 500   | 5848   | 0            | -6.9        | 23.8                 |              | 0          | 70          | 271   | 12  | 500         | 5826         | 0    | -7.4                 | 17.6         |            |           |       | 0 | 88 | 291 | 20 |  |
| 700  | 3164   | 0            | 10.1  | 13.5                 | 0            | 60         | 325       | 5     | 700   | 3144   | 0            | 8.5         | 21.4                 |              | 0          | 52          | 272   | 6   | 700         | 3129         | 1    | 7.4                  | 13.7         |            |           |       | 0 | 79 | 295 | 12 |  |
| 850  | 1524   | 1            | 17.8  | 4.6                  | 1            | 36         | 357       | 2     | 850   | 1520   | 0            | 14.0        | 7.5                  |              | 0          | 13          | 331   | 1   | 850         | 1507         | 1    | 14.4                 | 5.0          |            |           |       | 0 | 61 | 299 | 6  |  |
| 1012   | * 2    |              | 29.1  | 5.8                  |              |            |           |       | 1005  | * 91   |              | 24.1        | 4.5                  |              |            |             |       |   | 1013        | * 3          |      | 25.5                 | 4.8          |            |           |       |   |    |     |    |  |
| <b>SW PACIFIC - FRENCH POLY. (AUSTRAL IS)</b><br><b>RAPA</b><br>91958 MAY 2006 2737S 14420W OB 1               |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - NEW ZEALAND</b><br><b>WHENUAPAI</b><br>93112 MAY 2006 3647S 17430E OB 1             |        |              |             |                      |              |            |             |       | <b>SW PACIFIC - NEW ZEALAND</b><br><b>PARAPARAUMU AERODROME</b><br>93417 MAY 2006 4054S 17450E OB 1 |             |              |      |                      |              |            |           |       |   |    |     |    |  |
| 030  |        |              |       |                      |              |            |           |       | 030   | 23779  | 6            | -56.6       | 32.0                 |              | 6          | 54          | 305   | 5   | 030         | 23754        | 5    | -56.9                | 30.9         |            |           |       | 6 | 85 | 280 | 6  |  |
| 050  | 20636  | 10           | -64.0 |                      | 9            | 75         | 278       | 3     | 050   | 20559  | 3            | -59.1       |                      |              | 3          | 84          | 279   | 7   | 050         | 20529        | 3    | -58.4                | 29.8         |            |           |       | 5 | 87 | 287 | 7  |  |
| 100  | 16480  | 9            | -70.5 |                      | 9            | 92         | 266       | 18    | 100   | 16217  | 1            | -58.8       | 31.6                 |              | 1          | 94          | 273   | 15  | 100         | 16156        | 0    | -57.0                | 28.8         |            |           |       | 2 | 92 | 276 | 13 |  |
| 150  | 14041  | 7            | -65.3 |                      | 7            | 93         | 272       | 34    | 150   | 13654  | 1            | -56.0       | 32.2                 |              | 1          | 95          | 268   | 22  | 150         | 13580        | 0    | -55.6                | 25.3         |            |           |       | 1 | 86 | 267 | 15 |  |
| 200  | 12245  | 5            | -55.7 |                      | 3            | 86         | 281       | 36    | 200   | 11822  | 0            | -56.1       |                      |              | 0          | 90          | 269   | 24  | 200         | 11752        | 0    | -57.8                |              |            |           |       | 1 | 78 | 267 | 16 |  |
| 300  | 9537   | 1            | -35.2 | 11.8                 | 1            | 87         | 284       | 32    | 300   | 9204   | 0            | -46.0       | 17.0                 |              | 0          | 78          | 264   | 18  | 300         | 9158         | 0    | -48.2                | 10.1         |            |           |       | 0 | 51 | 272 | 9  |  |
| 500  | 5782   | 0            | -9.7  | 17.3                 | 0            | 89         | 285       | 20    | 500   | 5618   | 0            | -19.7       | 18.0                 |              | 0          | 77          | 260   | 11  | 500         | 5589         | 0    | -20.7                | 14.9         |            |           |       | 1 | 47 | 266 | 5  |  |
| 700  | 3107   | 0            | 4.8   | 13.6                 | 0            | 78         | 296       | 11    | 700   | 3038   | 0            | -3.3        | 11.3                 |              | 0          | 61          | 269   | 7   | 700         | 3017         | 0    | -3.8                 | 16.0         |            |           |       | 2 | 39 | 273 | 4  |  |
| 850  | 1500   | 0            | 12.5  | 5.8                  | 0            | 55         | 320       | 6     | 850   | 1476   | 0            | 5.2         | 4.7                  |              | 0          | 45          | 265   | 4   | 850         | 1460         | 0    | 3.6                  | 4.8          |            |           |       | 1 | 26 | 277 | 3  |  |
| 1013   | * 2    |              | 23.2  | 4.8                  |              |            |           |       | 1011  | * 30   |              | 15.9        | 3.9                  |              |            |             |       |   | 1014        | * 12         |      | 13.6                 | 4.4          |            |           |       |   |    |     |    |  |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |     |    |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |     |    |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |     |    |
| <b>SW PACIFIC - NEW ZEALAND<br/>INVERCARGILL AERODROME</b><br>93844 MAY 2006 4625S 16810E OB 1 |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - NEW ZEALAND<br/>CHATHAM ISLAND</b><br>93986 MAY 2006 4357S 17630W OB 1 |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - NEW ZEALAND<br/>RAOUL ISLAND, KERMADEC IS.</b><br>93997 MAY 2006 2915S 17750W OB 1 |        |              |             |                      |              |            |           |       |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030  | 23729       | 10           | -57.5 | 31.6                 |              | 9          | 93        | 284   | 9  | 030    | 23867        | 8           | -55.8                | 30.9         |            |           |       |     |    |
| 050  | 20460  | 9            | -56.7 | 28.6                 | 8            | 94         | 281       | 11    | 050  | 20511       | 5            | -57.7 | 31.7                 |              | 4          | 89        | 288   | 9  | 050    | 20654        | 2           | -60.5                |              |            | 2         | 81    | 288 | 6  |
| 100  | 16071  | 2            | -56.2 | 26.7                 | 1            | 89         | 280       | 13    | 100  | 16121       | 1            | -56.3 | 31.3                 |              | 0          | 85        | 278   | 11   | 100    | 16396        | 1           | -64.7                |              |            | 2         | 97    | 269 | 24 |
| 150  | 13490  | 1            | -55.9 | 21.0                 | 1            | 85         | 274       | 13    | 150  | 13536       | 1            | -55.0 | 30.7                 |              | 0          | 85        | 270   | 12   | 150    | 13894        | 0           | -59.4                |              |            | 1         | 97    | 267 | 42 |
| 200  | 11672  | 0            | -59.3 |                      | 1            | 65         | 271       | 13    | 200  | 11707       | 1            | -57.6 | 26.5                 |              | 0          | 66        | 261   | 11   | 200    | 12070        | 0           | -53.8                | 24.5         |            | 1         | 97    | 267 | 50 |
| 300  | 9097   | 0            | -49.0 | 9.5                  | 1            | 47         | 273       | 10    | 300  | 9122        | 1            | -48.5 | 13.4                 |              | 1          | 46        | 265   | 9  | 300    | 9395         | 0           | -41.0                | 19.0         |            | 1         | 95    | 268 | 32 |
| 500  | 5545   | 0            | -22.2 | 14.6                 | 0            | 55         | 282       | 8     | 500  | 5560        | 1            | -21.4 | 14.7                 |              | 0          | 45        | 282   | 6  | 500    | 5732         | 0           | -14.9                | 19.6         |            | 0         | 91    | 270 | 16 |
| 700  | 2987   | 0            | -5.7  | 16.1                 | 0            | 54         | 273       | 5     | 700  | 2992        | 1            | -4.2  | 15.2                 |              | 0          | 27        | 277   | 3  | 700    | 3104         | 0           | 1.5                  | 22.5         |            | 1         | 71    | 268 | 7  |
| 850  | 1443   | 0            | 1.7   | 6.2                  | 0            | 49         | 280       | 4     | 850  | 1439        | 1            | 3.3   | 5.7                  |              | 0          | 18        | 278   | 2  | 850    | 1521         | 0           | 8.4                  | 7.8          |            | 1         | 36    | 281 | 3  |
| 1014   | * 4    |              | 8.3   | 1.8                  |              |            |           |       | 1007   | * 48        |              | 11.9  | 2.4                  |              |            |           |       |  | 1012   | * 49         |             | 21.1                 | 6.5          |            |           |       |     |    |
| <b>SW PACIFIC - AUSTRALIA<br/>DARWIN AIRPORT</b><br>94120 MAY 2006 1225S 13050E OB /           |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>GOVE AIRPORT</b><br>94150 MAY 2006 1217S 13640E OB /     |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>WEIPA AERO</b><br>94170 MAY 2006 1241S 14150E OB                     |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23806  | 3            | -54.3 | 32.3                 | 3            | 9          | 34        | 1     | 030  |             |              |       |                      |              |            |           |       | 030  | 23818  | 4            | -54.9       | 32.3                 |              | 4          | 9         | 47    | 1   |    |
| 050  | 20620  | 0            | -65.2 | 28.3                 | 0            | 85         | 86        | 8     | 050  | 20598       | 8            | -65.7 |                      |              | 8          | 80        | 87    | 7  | 050    | 20630        | 3           | -64.1                | 29.3         |            | 3         | 90    | 93  | 8  |
| 100  | 16588  | 0            | -81.7 | 9.7                  | 0            | 68         | 252       | 5     | 100  | 16573       | 1            | -81.8 |                      |              | 1          | 78        | 246   | 6  | 100    | 16589        | 1           | -81.4                | 9.6          |            | 1         | 79    | 247 | 7  |
| 150  | 14244  | 0            | -67.6 | 11.8                 | 0            | 72         | 296       | 9     | 150  | 14231       | 0            | -67.8 | 14.6                 |              | 0          | 62        | 292   | 8  | 150    | 14247        | 1           | -67.8                | 10.9         |            | 1         | 75    | 275 | 10 |
| 200  | 12453  | 0            | -53.1 | 14.7                 | 0            | 73         | 297       | 9     | 200  | 12443       | 0            | -53.4 | 14.5                 |              | 0          | 66        | 297   | 9  | 200    | 12459        | 1           | -53.4                | 12.8         |            | 1         | 79    | 279 | 11 |
| 300  | 9708   | 0            | -30.3 | 22.8                 | 0            | 86         | 275       | 9     | 300  | 9699        | 0            | -30.3 | 23.2                 |              | 0          | 75        | 267   | 7  | 300    | 9714         | 1           | -30.3                | 19.4         |            | 1         | 78    | 266 | 9  |
| 500  | 5877   | 0            | -5.0  | 21.5                 | 1            | 73         | 262       | 5     | 500  | 5869        | 0            | -5.2  | 22.2                 |              | 1          | 61        | 246   | 4  | 500    | 5882         | 1           | -4.9                 | 14.3         |            | 1         | 57    | 252 | 4  |
| 700  | 3156   | 0            | 10.4  | 17.9                 | 0            | 75         | 247       | 4     | 700  | 3148        | 0            | 10.1  | 12.3                 |              | 0          | 43        | 244   | 3  | 700    | 3158         | 1           | 10.1                 | 12.1         |            | 1         | 35    | 324 | 2  |
| 850  | 1521   | 0            | 16.3  | 12.7                 | 0            | 74         | 118       | 4     | 850  | 1513        | 0            | 16.4  | 7.7                  |              | 0          | 90        | 117   | 7  | 850    | 1520         | 0           | 17.5                 | 4.2          |            | 0         | 76    | 89  | 5  |
| 1010   | * 35   |              | 23.8  | 9.5                  |              |            |           |       | 1006   | * 54        |              | 25.9  | 5.1                  |              |            |           |       |  | 1010   | * 19         |             | 26.0                 | 4.1          |            |           |       |     |    |
| <b>SW PACIFIC - AUSTRALIA<br/>BROOME AIRPORT</b><br>94203 MAY 2006 1757S 12210E OB /           |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>TOWNSVILLE AERO</b><br>94294 MAY 2006 1915S 14640E OB /  |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>LEARMOUTH AIRPORT</b><br>94302 MAY 2006 2214S 11400E OB /            |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23806  | 1            | -55.4 | 32.0                 | 1            | 47         | 75        | 3     | 030  | 23790       | 1            | -56.5 | 30.5                 |              | 2          | 55        | 68    | 4  | 030    | 23798        | 7           | -55.7                | 32.1         |            | 7         | 37    | 58  | 2  |
| 050  | 20622  | 1            | -65.0 | 28.8                 | 1            | 37         | 109       | 2     | 050  | 20617       | 1            | -64.8 | 26.5                 |              | 2          | 11        | 36    | 1  | 050    | 20608        | 6           | -64.3                | 29.5         |            | 6         | 23    | 236 | 1  |
| 100  | 16568  | 1            | -78.6 | 16.6                 | 1            | 94         | 261       | 13    | 100  | 16537       | 1            | -77.9 | 15.4                 |              | 2          | 98        | 269   | 20   | 100    | 16510        | 6           | -74.5                | 19.8         |            | 6         | 94    | 269 | 21 |
| 150  | 14198  | 1            | -66.2 | 17.7                 | 1            | 97         | 277       | 25    | 150  | 14168       | 1            | -67.0 | 14.6                 |              | 2          | 97        | 273   | 35   | 150    | 14106        | 6           | -64.6                | 21.1         |            | 6         | 97    | 274 | 38 |
| 200  | 12401  | 1            | -52.6 | 20.7                 | 1            | 97         | 278       | 30    | 200  | 12375       | 1            | -53.2 | 16.5                 |              | 2          | 96        | 274   | 36   | 200    | 12300        | 6           | -52.3                | 24.4         |            | 6         | 97    | 274 | 43 |
| 300  | 9654   | 1            | -31.1 | 25.4                 | 2            | 96         | 270       | 27    | 300  | 9637        | 0            | -31.8 | 21.5                 |              | 1          | 96        | 272   | 33   | 300    | 9577         | 4           | -34.4                | 20.9         |            | 4         | 96    | 272 | 31 |
| 500  | 5852   | 1            | -7.0  | 20.3                 | 2            | 89         | 266       | 12    | 500  | 5840        | 0            | -6.9  | 23.9                 |              | 1          | 95        | 278   | 19   | 500    | 5820         | 4           | -9.7                 | 26.4         |            | 4         | 89    | 271 | 13 |
| 700  | 3152   | 1            | 7.5   | 20.8                 | 1            | 21         | 275       | 1     | 700  | 3148        | 0            | 6.3   | 11.3                 |              | 0          | 72        | 296   | 5  | 700    | 3147         | 3           | 5.1                  | 21.1         |            | 3         | 33    | 338 | 2  |
| 850  | 1533   | 1            | 16.0  | 14.0                 | 1            | 89         | 90        | 6     | 850  | 1534        | 0            | 13.2  | 5.2                  |              | 0          | 75        | 102   | 5  | 850    | 1538         | 3           | 14.3                 | 11.5         |            | 3         | 78    | 55  | 6  |
| 1014   | * 17   |              | 19.7  | 8.7                  |              |            |           |       | 1017   | * 9         |              | 23.8  | 7.0                  |              |            |           |       |  | 1016   | * 6          |             | 17.3                 | 6.8          |            |           |       |     |    |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>SW PACIFIC - AUSTRALIA<br/>PORT HEDLAND AIRPORT</b><br>94312 MAY 2006 2022S 11830E OB / |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>ALICE SPRINGS AIRPORT</b><br>94326 MAY 2006 2348S 13350E OB / |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>MOUNT ISA AERO</b><br>94332 MAY 2006 2041S 13920E OB /              |        |              |             |                      |              |            |           |       |
| 030  | 23803  | 0            | -56.1 | 32.0                 | 0            | 59         | 71        | 3     | 030   | 23839       | 6            | -55.6 | 31.7                 | 6            | 74         | 78        | 4     | 030   | 23787  | 3            | -56.7       | 31.4                 | 5            | 58         | 71        | 4     |
| 050  | 20615  | 0            | -64.5 | 29.0                 | 0            | 22         | 214       | 1     | 050   | 20642       | 5            | -62.6 | 28.9                 | 5            | 66         | 256       | 4     | 050   | 20609  | 2            | -64.6       | 27.8                 | 4            | 17         | 263       | 1     |
| 100  | 16537  | 0            | -76.9 | 16.5                 | 1            | 95         | 265       | 19    | 100   | 16501       | 5            | -72.3 | 21.2                 | 5            | 98         | 264       | 26    | 100   | 16517  | 2            | -76.1       | 16.2                 | 4            | 99         | 265       | 23    |
| 150  | 14152  | 0            | -65.3 | 19.8                 | 3            | 98         | 273       | 32    | 150   | 14082       | 4            | -63.8 | 21.8                 | 4            | 98         | 273       | 46    | 150   | 14140  | 2            | -66.7       | 16.8                 | 3            | 98         | 274       | 39    |
| 200  | 12349  | 0            | -52.3 | 22.4                 | 0            | 97         | 276       | 39    | 200   | 12269       | 4            | -51.8 | 23.9                 | 4            | 96         | 270       | 52    | 200   | 12345  | 2            | -52.6       | 20.3                 | 3            | 95         | 272       | 41    |
| 300  | 9612   | 0            | -33.2 | 22.1                 | 0            | 97         | 269       | 30    | 300   | 9537        | 3            | -34.6 | 21.8                 | 3            | 96         | 266       | 41    | 300   | 9602   | 2            | -31.8       | 24.3                 | 2            | 96         | 271       | 39    |
| 500  | 5835   | 0            | -8.2  | 24.6                 | 0            | 90         | 265       | 14    | 500   | 5801        | 3            | -11.8 | 28.6                 | 3            | 85         | 262       | 11    | 500   | 5818   | 2            | -8.8        | 29.1                 | 2            | 91         | 274       | 16    |
| 700  | 3150   | 0            | 5.8   | 21.4                 | 0            | 11         | 248       | 1     | 700   | 3148        | 3            | 3.8   | 29.4                 | 3            | 40         | 185       | 2     | 700   | 3141   | 2            | 5.7         | 31.2                 | 2            | 34         | 195       | 2     |
| 850  | 1540   | 0            | 15.2  | 14.5                 | 0            | 93         | 74        | 7     | 850   | 1555        | 3            | 9.8   | 15.2                 | 3            | 74         | 116       | 6     | 850   | 1535   | 2            | 12.3        | 13.6                 | 2            | 85         | 104       | 7     |
| 1015   | * 10   |              | 19.3  | 11.7                 |              |            |           |       | 959   | * 547       |              | 12.7  | 10.0                 |              |            |           |       | 979   | * 342  |              | 19.2        | 13.8                 |              |            |           |       |
| <b>SW PACIFIC - AUSTRALIA<br/>ROCKHAMPTON AERO</b><br>94374 MAY 2006 2323S 15020E OB       |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>MEEKATHARRA AIRPORT</b><br>94430 MAY 2006 2637S 11830E OB 2   |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>GILES METEOROLOGICAL OFFICE</b><br>94461 MAY 2006 2502S 12810E OB / |        |              |             |                      |              |            |           |       |
| 030  | 23810  | 3            | -56.2 | 31.7                 | 5            | 29         | 69        | 2     | 030   | 23798       | 4            | -55.7 | 32.1                 | 4            | 10         | 43        | 1     | 030   | 23841  | 1            | -55.5       | 32.2                 | 4            | 69         | 72        | 4     |
| 050  | 20619  | 2            | -63.4 | 29.4                 | 3            | 58         | 267       | 3     | 050   | 20599       | 3            | -63.1 | 30.0                 | 3            | 63         | 260       | 4     | 050   | 20638  | 1            | -62.6       | 29.9                 | 6            | 71         | 277       | 4     |
| 100  | 16479  | 1            | -73.0 | 21.8                 | 2            | 97         | 275       | 26    | 100   | 16440       | 1            | -69.9 | 25.0                 | 2            | 99         | 268       | 24    | 100   | 16481  | 0            | -70.9       | 23.0                 | 2            | 97         | 267       | 26    |
| 150  | 14059  | 0            | -64.3 | 21.0                 | 1            | 99         | 272       | 47    | 150   | 13989       | 0            | -62.5 | 24.6                 | 0            | 97         | 268       | 41    | 150   | 14041  | 0            | -62.5       | 23.2                 | 0            | 99         | 271       | 44    |
| 200  | 12253  | 0            | -52.6 | 22.0                 | 1            | 98         | 276       | 52    | 200   | 12176       | 0            | -53.6 | 22.3                 | 0            | 98         | 270       | 44    | 200   | 12225  | 0            | -51.8       | 24.2                 | 0            | 96         | 269       | 51    |
| 300  | 9530   | 0            | -34.8 | 22.3                 | 1            | 97         | 274       | 43    | 300   | 9488        | 0            | -38.1 | 20.6                 | 0            | 96         | 267       | 29    | 300   | 9510   | 0            | -36.1       | 23.4                 | 0            | 97         | 265       | 37    |
| 500  | 5790   | 0            | -11.8 | 29.1                 | 0            | 95         | 275       | 18    | 500   | 5789        | 0            | -13.0 | 27.1                 | 0            | 74         | 265       | 9     | 500   | 5795   | 0            | -12.9       | 28.2                 | 0            | 77         | 254       | 10    |
| 700  | 3135   | 0            | 4.2   | 28.8                 | 0            | 65         | 265       | 5     | 700   | 3150        | 0            | 1.9   | 18.0                 | 0            | 19         | 246       | 1     | 700   | 3152   | 0            | 2.7         | 27.1                 | 0            | 50         | 185       | 3     |
| 850  | 1538   | 0            | 11.1  | 12.1                 | 1            | 52         | 111       | 3     | 850   | 1555        | 0            | 11.9  | 13.5                 | 0            | 60         | 37        | 3     | 850   | 1559   | 0            | 11.4        | 17.2                 | 0            | 53         | 83        | 3     |
| 1018   | * 14   |              | 20.7  | 8.9                  |              |            |           |       | 961   | * 522       |              | 13.2  | 9.6                  |              |            |           |       | 953   | * 599  |              | 14.1        | 13.4                 |              |            |           |       |
| <b>SW PACIFIC - AUSTRALIA<br/>CHARLEVILLE AERO</b><br>94510 MAY 2006 2625S 14610E OB /     |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>BRISBANE AERO</b><br>94578 MAY 2006 2723S 15300E OB /         |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA<br/>PERTH AIRPORT</b><br>94610 MAY 2006 3156S 11550E OB /               |        |              |             |                      |              |            |           |       |
| 030  | 23809  | 1            | -55.7 | 32.1                 | 1            | 11         | 261       | 1     | 030   | 23804       | 1            | -55.7 |                      | 1            | 21         | 293       | 1     | 030   | 23763  | 1            | -56.5       | 31.0                 | 1            | 63         | 270       | 4     |
| 050  | 20608  | 1            | -62.1 | 30.3                 | 1            | 64         | 266       | 5     | 050   | 20601       | 0            | -61.9 |                      | 0            | 79         | 281       | 6     | 050   | 20566  | 1            | -62.2       | 29.5                 | 1            | 81         | 262       | 6     |
| 100  | 16414  | 1            | -68.5 | 25.4                 | 1            | 98         | 272       | 27    | 100   | 16394       | 0            | -67.4 | 28.5                 | 0            | 99         | 273       | 28    | 100   | 16336  | 0            | -64.9       | 28.6                 | 0            | 95         | 265       | 23    |
| 150  | 13947  | 1            | -61.3 | 25.8                 | 1            | 99         | 272       | 49    | 150   | 13917       | 0            | -60.5 | 29.8                 | 0            | 99         | 274       | 48    | 150   | 13836  | 0            | -60.1       | 27.3                 | 0            | 96         | 267       | 31    |
| 200  | 12128  | 1            | -52.4 | 25.4                 | 1            | 98         | 273       | 54    | 200   | 12095       | 0            | -52.6 | 30.7                 | 0            | 98         | 277       | 55    | 200   | 12032  | 0            | -57.4       | 20.7                 | 0            | 89         | 264       | 30    |
| 300  | 9432   | 1            | -38.5 | 25.4                 | 1            | 94         | 271       | 36    | 300   | 9406        | 0            | -39.8 | 26.3                 | 0            | 96         | 275       | 37    | 300   | 9397   | 0            | -42.7       | 19.9                 | 0            | 77         | 263       | 16    |
| 500  | 5761   | 1            | -15.2 | 23.8                 | 1            | 86         | 261       | 11    | 500   | 5745        | 0            | -15.5 | 30.9                 | 0            | 88         | 268       | 12    | 500   | 5756   | 0            | -15.8       | 25.5                 | 0            | 54         | 264       | 6     |
| 700  | 3134   | 1            | 1.8   | 29.0                 | 1            | 53         | 228       | 3     | 700   | 3122        | 0            | .8    | 30.3                 | 0            | 81         | 247       | 6     | 700   | 3135   | 0            | .8          | 24.5                 | 0            | 43         | 254       | 4     |
| 850  | 1548   | 1            | 9.3   | 16.4                 | 1            | 13         | 186       | 1     | 850   | 1541        | 0            | 9.0   | 15.0                 | 0            | 27         | 217       | 2     | 850   | 1553   | 0            | 8.5         | 13.7                 | 1            | 24         | 263       | 2     |
| 986  | * 306  |              | 16.7  | 14.9                 |              |            |           |       | 1020  | * 10        |              | 20.0  | 10.2                 |              |            |           |       | 1021  | * 20   |              | 11.6        | 4.6                  |              |            |           |       |



# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   |
| <b>SW PACIFIC - AUSTRALIA</b><br><b>KALGOORLIE-BOULDER AIRPORT</b><br>94637 MAY 2006 3047S 12120E OB / |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA</b><br><b>ESPERANCE</b><br>94638 MAY 2006 3350S 12150E OB /          |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA</b><br><b>EUCLA</b><br>94647 MAY 2006 3141S 12850E OB              |        |              |       |                      |              |            |           |       |
| 030  | 23782  | 9            | -55.5 | 29.8                 |              |            |           |       | 030  | 23764  | 7            | -56.4 | 31.0                 |              |            |           |       | 030  | 23772  | 4            | -56.0 | 25.6                 | 5            | 41         | 301       | 3     |
| 050  | 20580  | 3            | -62.2 | 25.9                 | 4            | 85         | 273       | 7     | 050  | 20555  | 2            | -61.7 | 29.4                 | 9            | 95         | 258       | 9     | 050  | 20563  | 2            | -61.6 | 23.3                 | 4            | 93         | 266       | 7     |
| 100  | 16362  | 2            | -65.7 | 23.6                 | 3            | 97         | 263       | 23    | 100  | 16292  | 0            | -63.4 | 28.2                 | 5            | 96         | 263       | 22    | 100  | 16322  | 0            | -64.1 | 21.9                 | 2            | 96         | 264       | 22    |
| 150  | 13865  | 1            | -60.2 | 23.1                 | 1            | 98         | 265       | 35    | 150  | 13775  | 0            | -59.4 | 26.8                 | 1            | 95         | 262       | 28    | 150  | 13810  | 0            | -59.1 | 21.4                 | 2            | 97         | 264       | 33    |
| 200  | 12058  | 1            | -56.8 | 17.6                 | 1            | 94         | 262       | 36    | 200  | 11973  | 0            | -58.6 | 17.8                 | 1            | 86         | 256       | 25    | 200  | 11998  | 0            | -57.1 | 16.3                 | 2            | 92         | 259       | 30    |
| 300  | 9414   | 1            | -42.2 | 16.8                 | 1            | 81         | 258       | 20    | 300  | 9358   | 0            | -44.3 | 16.4                 | 1            | 73         | 254       | 15    | 300  | 9369   | 0            | -44.1 | 14.8                 | 0            | 72         | 257       | 16    |
| 500  | 5765   | 1            | -15.5 | 24.3                 | 1            | 58         | 241       | 7     | 500  | 5735   | 0            | -17.2 | 21.7                 | 1            | 64         | 246       | 8     | 500  | 5745   | 0            | -17.2 | 16.4                 | 0            | 60         | 255       | 8     |
| 700  | 3145   | 1            | .7    | 19.9                 | 1            | 38         | 254       | 3     | 700  | 3127   | 0            | -1    | 21.6                 | 1            | 54         | 257       | 5     | 700  | 3136   | 0            | -.3   | 16.3                 | 1            | 52         | 232       | 4     |
| 850  | 1563   | 1            | 8.3   | 10.0                 | 1            | 25         | 313       | 2     | 850  | 1553   | 0            | 7.0   | 10.8                 | 3            | 48         | 244       | 4     | 850  | 1561   | 0            | 6.8   | 9.4                  | 1            | 46         | 231       | 3     |
| 981  | * 370  |              | 10.0  | 4.6                  |              |            |           |       | 1021   | * 27   |              | 11.9  | 2.9                  |              |            |           |       | 1013   | * 102  |              | 12.0  | 3.9                  |              |            |           |       |
| <b>SW PACIFIC - AUSTRALIA</b><br><b>ADELAIDE AIRPORT</b><br>94672 MAY 2006 3457S 13830E OB /           |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA</b><br><b>COBAR MO</b><br>94711 MAY 2006 3129S 14550E OB /           |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA</b><br><b>WILLIAMTOWN RAAF</b><br>94776 MAY 2006 3248S 15150E OB / |        |              |       |                      |              |            |           |       |
| 030  | 23810  | 4            | -54.8 |                      |              |            |           |       | 030  | 23797  | 0            | -55.1 | 32.0                 | 0            | 25         | 255       | 2     | 030  | 23800  | 6            | -54.9 | 32.3                 | 6            | 52         | 298       | 3     |
| 050  | 20575  | 3            | -59.0 |                      |              |            |           |       | 050  | 20578  | 0            | -60.4 | 30.3                 | 0            | 70         | 274       | 5     | 050  | 20577  | 4            | -59.4 | 30.8                 | 4            | 71         | 277       | 6     |
| 100  | 16259  | 1            | -60.0 | 30.8                 |              |            |           |       | 100  | 16306  | 0            | -62.9 | 29.4                 | 0            | 99         | 268       | 24    | 100  | 16282  | 2            | -61.2 | 30.4                 | 2            | 96         | 272       | 22    |
| 150  | 13718  | 1            | -57.5 | 31.5                 |              |            |           |       | 150  | 13780  | 0            | -57.9 | 29.8                 | 0            | 98         | 269       | 33    | 150  | 13742  | 1            | -56.9 | 30.6                 | 1            | 98         | 271       | 30    |
| 200  | 11909  | 1            | -59.4 | 22.6                 |              |            |           |       | 200  | 11957  | 0            | -56.0 | 22.6                 | 0            | 96         | 267       | 29    | 200  | 11914  | 1            | -55.5 | 23.7                 | 1            | 92         | 268       | 26    |
| 300  | 9310   | 1            | -45.7 | 18.7                 |              |            |           |       | 300  | 9330   | 0            | -44.9 | 18.7                 | 0            | 77         | 258       | 16    | 300  | 9287   | 1            | -45.4 | 17.2                 | 1            | 77         | 262       | 17    |
| 500  | 5705   | 1            | -18.3 | 26.4                 |              |            |           |       | 500  | 5718   | 0            | -17.6 | 21.9                 | 0            | 77         | 248       | 10    | 500  | 5685   | 1            | -18.6 | 21.8                 | 1            | 80         | 252       | 10    |
| 700  | 3106   | 1            | -1.1  | 28.1                 |              |            |           |       | 700  | 3116   | 0            | -8    | 21.0                 | 0            | 82         | 235       | 7     | 700  | 3090   | 1            | -1.6  | 16.9                 | 1            | 79         | 243       | 7     |
| 850  | 1538   | 1            | 4.9   | 16.2                 |              |            |           |       | 850  | 1543   | 0            | 6.7   | 14.9                 | 0            | 69         | 227       | 4     | 850  | 1524   | 1            | 5.7   | 7.4                  | 1            | 62         | 244       | 5     |
| 1024   | * 8    |              | 13.0  | 5.2                  |              |            |           |       | 992  | * 264  |              | 13.0  | 9.3                  |              |            |           |       | 1020   | * 10   |              | 14.8  | 6.9                  |              |            |           |       |
| <b>SW PACIFIC - AUSTRALIA</b><br><b>ALBANY AIRPORT</b><br>94802 MAY 2006 3456S 11740E OB /             |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA</b><br><b>MOUNT GAMBIER AERO</b><br>94821 MAY 2006 3744S 14040E OB / |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA</b><br><b>MELBOURNE AIRPORT</b><br>94866 MAY 2006 3740S 14450E OB  |        |              |       |                      |              |            |           |       |
| 030  | 23760  | 7            | -56.4 | 31.9                 | 9            | 80         | 276       | 4     | 030  | 23728  | 3            | -55.9 | 31.9                 | 3            | 79         | 279       | 8     | 030  | 23759  | 2            | -55.5 | 32.1                 | 2            | 81         | 273       | 8     |
| 050  | 20550  | 2            | -60.9 | 30.6                 | 4            | 89         | 268       | 8     | 050  | 20500  | 1            | -58.9 | 31.0                 | 1            | 83         | 270       | 9     | 050  | 20528  | 0            | -58.4 | 31.3                 | 0            | 81         | 273       | 8     |
| 100  | 16276  | 0            | -62.6 | 29.7                 | 2            | 93         | 265       | 21    | 100  | 16167  | 0            | -59.5 | 31.0                 | 0            | 94         | 264       | 19    | 100  | 16185  | 0            | -58.9 | 31.2                 | 0            | 93         | 264       | 18    |
| 150  | 13756  | 0            | -59.5 | 28.4                 | 0            | 94         | 265       | 27    | 150  | 13622  | 0            | -58.1 | 29.2                 | 0            | 91         | 263       | 20    | 150  | 13632  | 0            | -57.6 | 30.3                 | 0            | 92         | 262       | 19    |
| 200  | 11962  | 0            | -59.8 | 18.5                 | 0            | 84         | 258       | 23    | 200  | 11825  | 0            | -60.8 | 16.6                 | 0            | 77         | 256       | 16    | 200  | 11828  | 0            | -59.5 | 19.0                 | 0            | 74         | 252       | 15    |
| 300  | 9353   | 0            | -44.5 | 16.8                 | 0            | 70         | 254       | 13    | 300  | 9243   | 0            | -47.1 | 14.5                 | 0            | 64         | 253       | 13    | 300  | 9242   | 0            | -47.2 | 15.0                 | 0            | 64         | 240       | 14    |
| 500  | 5729   | 0            | -16.8 | 25.7                 | 0            | 66         | 259       | 9     | 500  | 5661   | 0            | -19.7 | 20.2                 | 0            | 74         | 255       | 11    | 500  | 5659   | 0            | -19.7 | 20.3                 | 0            | 68         | 243       | 11    |
| 700  | 3118   | 0            | -.1   | 26.0                 | 0            | 68         | 269       | 7     | 700  | 3077   | 0            | -2.7  | 21.5                 | 0            | 70         | 256       | 8     | 700  | 3075   | 0            | -2.7  | 21.8                 | 0            | 57         | 237       | 6     |
| 850  | 1543   | 0            | 6.1   | 10.1                 | 1            | 58         | 268       | 5     | 850  | 1518   | 0            | 3.2   | 11.2                 | 0            | 62         | 262       | 6     | 850  | 1519   | 0            | 2.7   | 6.9                  | 1            | 51         | 244       | 5     |
| 1015   | * 71   |              | 10.1  | 2.0                  |              |            |           |       | 1014   | * 69   |              | 9.6   | 1.7                  |              |            |           |       | 1009   | * 132  |              | 11.1  | 3.9                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |  | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE   |        |              | VECTOR WIND |                      |              |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C          | °C                   |              | %          | o         | mps   |
| <b>SW PACIFIC - AUSTRALIA</b><br><b>WAGGA WAGGA AMO</b><br>94910 MAY 2006 3510S 14720E OB /                      |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - AUSTRALIA</b><br><b>HOBART AIRPORT</b><br>94975 MAY 2006 4250S 14730E OB /                   |             |              |       |                      |              |            |           |       | <b>W PACIFIC - AUSTRALIA (ADDITIONAL IS.)</b><br><b>LORD HOWE ISLAND AERO</b><br>94995 MAY 2006 3132S 15900E OB / |        |              |             |                      |              |            |           |       |
| 030  | 23773  | 1            | -55.7 | 30.1                 | 1            | 63         | 265       | 5     | 030  | 23725       | 0            | -55.7 | 30.9                 | 2            | 85         | 280       | 12    | 030   | 23783  | 1            | -55.8       | 30.8                 | 3            | 65         | 279       | 3     |
| 050  | 20548  | 1            | -59.4 | 28.8                 | 1            | 76         | 278       | 7     | 050  | 20480       | 0            | -56.6 | 30.5                 | 2            | 83         | 284       | 11    | 050   | 20570  | 1            | -60.5       | 29.2                 | 3            | 92         | 277       | 8     |
| 100  | 16231  | 1            | -59.8 | 28.4                 | 1            | 94         | 265       | 19    | 100  | 16093       | 0            | -57.0 | 30.3                 | 1            | 90         | 271       | 16    | 100   | 16298  | 1            | -62.7       | 28.8                 | 3            | 95         | 272       | 23    |
| 150  | 13684  | 1            | -57.4 | 27.0                 | 2            | 97         | 264       | 22    | 150  | 13525       | 0            | -56.7 | 28.8                 | 0            | 87         | 264       | 18    | 150   | 13773  | 1            | -57.6       | 29.9                 | 3            | 97         | 274       | 36    |
| 200  | 11868  | 1            | -58.4 | 18.8                 | 1            | 83         | 257       | 18    | 200  | 11719       | 0            | -60.0 | 17.7                 | 0            | 66         | 256       | 16    | 200   | 11945  | 1            | -54.7       | 25.8                 | 2            | 92         | 277       | 36    |
| 300  | 9268   | 1            | -46.5 | 15.6                 | 1            | 70         | 239       | 14    | 300  | 9140        | 0            | -48.1 | 13.8                 | 0            | 63         | 250       | 17    | 300   | 9307   | 0            | -44.3       | 22.2                 | 0            | 81         | 277       | 22    |
| 500  | 5677   | 1            | -19.2 | 20.4                 | 1            | 72         | 236       | 10    | 500  | 5578        | 0            | -21.5 | 18.5                 | 0            | 55         | 255       | 11    | 500   | 5693   | 0            | -17.6       | 20.9                 | 0            | 76         | 270       | 11    |
| 700  | 3089   | 1            | -2.4  | 18.5                 | 1            | 71         | 243       | 7     | 700  | 3016        | 0            | -5.2  | 19.5                 | 0            | 71         | 260       | 11    | 700   | 3088   | 0            | -.7         | 17.8                 | 0            | 72         | 263       | 7     |
| 850  | 1527   | 1            | 4.4   | 8.0                  | 2            | 62         | 251       | 4     | 850  | 1469        | 0            | 1.7   | 9.7                  | 0            | 65         | 268       | 8     | 850   | 1517   | 0            | 6.6         | 5.4                  | 0            | 50         | 252       | 4     |
| 997  | * 221  |              | 9.2   | 4.2                  |              |            |           |       | 1015   | * 27        |              | 9.8   | 5.3                  |              |            |           |       | 1018  | * 7    |              | 19.6        | 7.0                  |              |            |           |       |
| <b>SW PACIFIC - AUSTRALIA (ADDITIONAL IS.)</b><br><b>NORFOLK ISLAND AERO</b><br>94996 MAY 2006 2902S 16750E OB / |        |              |       |                      |              |            |           |       | <b>W PACIFIC - AUSTRALIA (ADDITIONAL IS.)</b><br><b>MACQUARIE ISLAND</b><br>94998 MAY 2006 5430S 15850E OB 3 |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - BRUNEI DARUSSALAM</b><br><b>BRUNEI AIRPORT</b><br>96315 MAY 2006 0456N 11450E OB 3                |        |              |             |                      |              |            |           |       |
| 030  | 23794  | 4            | -57.3 | 30.8                 | 4            | 61         | 301       | 3     | 030  | 23429       | 4            | -58.4 | 31.1                 | 4            | 97         | 282       | 28    | 030   |        |              |             |                      |              |            |           |       |
| 050  | 20596  | 3            | -61.6 | 29.0                 | 3            | 88         | 288       | 6     | 050  | 20216       | 4            | -57.8 | 31.1                 | 4            | 96         | 285       | 24    | 050   | 20632  | 29           | -63.1       | 28.1                 | 9            | 99         | 113       | 9     |
| 100  | 16376  | 3            | -66.2 | 27.1                 | 3            | 98         | 273       | 26    | 100  | 15831       | 2            | -56.6 | 31.4                 | 2            | 96         | 287       | 23    | 100   | 16601  | 11           | -81.0       | 13.3                 | 9            | 60         | 44        | 5     |
| 150  | 13888  | 3            | -60.1 | 27.0                 | 3            | 98         | 274       | 45    | 150  | 13257       | 1            | -56.4 | 29.1                 | 1            | 92         | 284       | 22    | 150   | 14246  | 7            | -67.8       | 11.3                 | 8            | 87         | 62        | 13    |
| 200  | 12070  | 3            | -53.6 | 25.1                 | 3            | 95         | 277       | 50    | 200  | 11443       | 1            | -59.2 | 20.8                 | 1            | 87         | 284       | 24    | 200   | 12457  | 5            | -53.1       | 9.7                  | 5            | 76         | 74        | 7     |
| 300  | 9394   | 3            | -40.6 | 20.5                 | 4            | 92         | 278       | 32    | 300  | 8876        | 1            | -51.0 | 11.7                 | 1            | 78         | 279       | 24    | 300   | 9706   | 3            | -30.2       | 4.0                  | 3            | 52         | 96        | 3     |
| 500  | 5732   | 3            | -15.3 | 21.5                 | 4            | 87         | 272       | 14    | 500  | 5358        | 0            | -25.7 | 12.0                 | 0            | 81         | 287       | 20    | 500   | 5876   | 3            | -5.3        | 7.3                  | 3            | 47         | 100       | 3     |
| 700  | 3106   | 3            | 1.5   | 22.4                 | 4            | 62         | 271       | 7     | 700  | 2837        | 0            | -9.2  | 10.4                 | 0            | 83         | 289       | 17    | 700   | 3157   | 3            | 9.7         | 5.9                  | 4            | 18         | 146       | 1     |
| 850  | 1522   | 3            | 8.7   | 5.7                  | 5            | 36         | 251       | 3     | 850  | 1312        | 0            | -1.8  | 4.9                  | 0            | 84         | 292       | 15    | 850   | 1515   | 3            | 18.6        | 5.9                  | 4            | 38         | 199       | 2     |
| 1004   | * 117  |              | 19.8  | 5.9                  |              |            |           |       | 1000   | * 8         |              | 5.6   | 1.9                  |              |            |           |       | 1006  | * 22   |              | 25.4        | 1.4                  |              |            |           |       |
| <b>SW PACIFIC - MALAYSIA (SABAH AND SARAWAK)</b><br><b>KUCHING</b><br>96413 MAY 2006 0129N 11020E OB 3           |        |              |       |                      |              |            |           |       | <b>W PACIFIC - MALAYSIA (SABAH AND SARAWAK)</b><br><b>BINTULU</b><br>96441 MAY 2006 0312N 11300E OB 3        |             |              |       |                      |              |            |           |       | <b>W PACIFIC - MALAYSIA (SABAH AND SARAWAK)</b><br><b>KOTA KINABALU</b><br>96471 MAY 2006 0556N 11600E OB 3       |        |              |             |                      |              |            |           |       |
| 030  | 23851  | 2            | -52.8 | 32.7                 | 2            | 94         | 271       | 11    | 030  | 23838       | 16           | -53.1 | 32.9                 | 9            | 70         | 273       | 6     | 030   | 23819  | 5            | -53.6       | 32.7                 | 5            | 44         | 263       | 3     |
| 050  | 20623  | 2            | -62.8 | 24.0                 | 2            | 32         | 89        | 4     | 050  | 20615       | 15           | -62.1 | 23.2                 | 9            | 73         | 88        | 10    | 050   | 20607  | 5            | -64.7       | 29.4                 | 5            | 95         | 90        | 16    |
| 100  | 16611  | 1            | -81.5 | 7.7                  | 1            | 40         | 95        | 4     | 100  | 16613       | 9            | -81.0 | 7.3                  | 9            | 30         | 67        | 3     | 100   | 16603  | 0            | -81.0       | 13.3                 | 1            | 63         | 71        | 6     |
| 150  | 14259  | 0            | -67.6 | 7.6                  | 0            | 87         | 63        | 13    | 150  | 14256       | 7            | -67.7 | 7.5                  | 7            | 84         | 74        | 13    | 150   | 14253  | 0            | -67.8       | 11.3                 | 1            | 83         | 60        | 11    |
| 200  | 12469  | 0            | -52.9 | 7.6                  | 0            | 89         | 67        | 11    | 200  | 12466       | 6            | -53.1 | 8.1                  | 6            | 86         | 77        | 10    | 200   | 12463  | 0            | -52.8       | 10.9                 | 1            | 70         | 82        | 7     |
| 300  | 9718   | 0            | -29.9 | 6.9                  | 0            | 65         | 82        | 5     | 300  | 9716        | 5            | -29.9 | 7.9                  | 5            | 76         | 103       | 5     | 300   | 9710   | 0            | -29.9       | 10.6                 | 1            | 51         | 105       | 3     |
| 500  | 5881   | 0            | -4.8  | 4.2                  | 0            | 40         | 77        | 3     | 500  | 5880        | 4            | -4.8  | 3.9                  | 4            | 66         | 88        | 4     | 500   | 5876   | 0            | -5.0        | 8.5                  | 1            | 45         | 92        | 3     |
| 700  | 3156   | 0            | 10.2  | 3.7                  | 0            | 35         | 273       | 2     | 700  | 3155        | 4            | 10.0  | 3.5                  | 4            | 8          | 132       | 1     | 700   | 3154   | 0            | 10.0        | 6.2                  | 1            | 12         | 132       | 1     |
| 850  | 1510   | 0            | 19.2  | 3.5                  | 0            | 36         | 263       | 2     | 850  | 1510        | 4            | 18.9  | 2.9                  | 4            | 10         | 276       | 1     | 850   | 1511   | 0            | 18.8        | 5.9                  | 1            | 23         | 228       | 1     |
| 1008   | * 27   |              | 25.2  | 1.5                  |              |            |           |       | 1007   | * 5         |              | 25.7  | 2.0                  |              |            |           |       | 1010  | * 3    |              | 26.7        | 3.1                  |              |            |           |       |

# UPPER AIR

# MAY 2006

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   |
| <b>SW PACIFIC - MALAYSIA (SABAH AND SARAWAK TAWAU)</b><br>96481 MAY 2006 0416N 11750E OB 3 |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - ISLANDS COCOS ISLAND AERO</b><br>96996 MAY 2006 1211S 09650E OB 3 |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - INDONESIA MENADO/ SAM RATULANGI</b><br>97014 MAY 2006 0132N 12450E OB / |        |              |       |                      |              |            |           |       |
| 030  | 23836  | 8            | -52.8 | 31.6                 | 8            | 81         | 270       | 6     | 030   | 23796  | 6            | -54.7 | 32.4                 | 6            | 10         | 58        | 1     | 030   | 23802  | 9            | -54.9 |                      | 9            | 43         | 278       | 4     |
| 050  | 20609  | 7            | -62.8 | 28.6                 | 7            | 85         | 86        | 10    | 050   | 20600  | 6            | -64.9 | 29.5                 | 6            | 85         | 93        | 8     | 050   | 20593  | 9            | -64.7 |                      | 9            | 95         | 96        | 11    |
| 100  | 16592  | 7            | -80.8 | 14.2                 | 7            | 61         | 79        | 6     | 100   | 16576  | 5            | -81.0 | 10.2                 | 5            | 62         | 258       | 6     | 100   | 16597  | 9            | -81.0 |                      | 9            | 32         | 72        | 2     |
| 150  | 14240  | 7            | -67.4 | 12.6                 | 7            | 84         | 54        | 11    | 150   | 14227  | 3            | -66.8 | 13.2                 | 4            | 81         | 303       | 12    | 150   |        |              |       |                      |              |            |           |       |
| 200  | 12447  | 7            | -52.5 | 12.9                 | 7            | 80         | 74        | 8     | 200   | 12432  | 3            | -53.0 | 15.8                 | 3            | 87         | 306       | 15    | 200   | 12458  | 9            | -53.1 |                      | 9            | 70         | 79        | 6     |
| 300  | 9692   | 7            | -29.6 | 14.4                 | 7            | 59         | 100       | 4     | 300   | 9686   | 3            | -30.5 | 22.6                 | 3            | 82         | 275       | 12    | 300   | 9711   | 9            | -30.3 | 4.6                  | 9            | 68         | 93        | 4     |
| 500  | 5855   | 7            | -4.9  | 8.4                  | 7            | 46         | 104       | 4     | 500   | 5863   | 3            | -5.6  | 25.4                 | 3            | 78         | 279       | 6     | 500   | 5880   | 9            | -5.5  | 3.5                  | 9            | 53         | 93        | 3     |
| 700  | 3133   | 7            | 10.1  | 6.7                  | 7            | 14         | 153       | 1     | 700   | 3145   | 2            | 9.7   | 13.6                 | 2            | 9          | 289       | 1     | 700   | 3161   | 9            | 5.8   | 2.0                  | 9            | 23         | 133       | 1     |
| 850  | 1489   | 7            | 19.0  | 6.3                  | 7            | 20         | 216       | 1     | 850   | 1511   | 2            | 16.2  | 2.9                  | 2            | 80         | 105       | 5     | 850   | 1519   | 9            | 17.8  | 1.3                  | 9            | 18         | 213       | 1     |
| 1006   | * 20   |              | 26.6  | 5.1                  |              |            |           |       | 1011  | * 4    |              | 26.2  | 4.3                  |              |            |           |       | 1002  | * 80   |              | 25.1  | 1.4                  |              |            |           |       |
|  |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |
|  |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |
|  |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |

# UPPER AIR LATE REPORTS

| LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |   | TEMPERATURE |              |       | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE  |        |              | VECTOR WIND |                      |              |            |           |       |  |  |  |  |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|--|--|--|--|
| PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT      | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |  |  |  |
| hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm         |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C          | °C                   |              | %          | o         | mps   |  |  |  |  |
| <b>EUROPE - ITALY</b><br><b>BRINDISI</b><br>16320 JAN 2004 4039N 01757E OB 3         |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY</b><br><b>TRAPANI BIRGI</b><br>16429 JAN 2004 3755N 01230E OB 3 |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 030  | 23263  | 3            | -63.1 |                      | 4            | 94         | 272       | 42    | 030   | 23342       | 3            | -62.9 |                      | 3            | 95         | 272       | 39    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 050  | 20140  | 1            | -65.0 |                      | 2            | 94         | 281       | 38    | 050   | 20228       | 3            | -66.3 |                      | 3            | 96         | 282       | 38    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 100  | 15894  | 0            | -61.6 |                      | 0            | 93         | 286       | 45    | 100   | 16019       | 2            | -63.3 |                      | 2            | 94         | 289       | 53    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 150  | 13357  | 0            | -57.6 |                      | 0            | 92         | 289       | 48    | 150   | 13497       | 2            | -58.3 |                      | 2            | 93         | 291       | 57    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 200  | 11544  | 0            | -58.5 |                      | 0            | 85         | 294       | 50    | 200   | 11690       | 2            | -59.0 |                      | 2            | 88         | 301       | 52    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 300  | 8973   | 0            | -50.9 |                      | 0            | 75         | 296       | 45    | 300   | 9114        | 2            | -49.1 |                      | 2            | 80         | 309       | 42    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 500  | 5426   | 0            | -24.9 |                      | 0            | 75         | 299       | 30    | 500   | 5562        | 1            | -21.1 |                      | 1            | 81         | 307       | 34    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 700  | 2936   | 0            | -9.1  | 20.6                 | 0            | 60         | 308       | 16    | 700   | 2999        | 1            | -4.9  | 23.1                 | 1            | 81         | 309       | 24    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 850  | 1409   | 0            | -2    | 6.9                  | 0            | 54         | 316       | 11    | 850   | 1449        | 1            | 2.4   | 5.7                  | 1            | 72         | 301       | 16    |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 1010   | * 10   |              | 10.1  | 4.2                  |              |            |           |       | 1013  | * 9         |              | 12.2  | 9.4                  |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| <b>EUROPE - ITALY</b><br><b>UDINE/CAMPOFORMIDO</b><br>16044 FEB 2004 4602N 01311E OB |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY</b><br><b>TRAPANI BIRGI</b><br>16429 FEB 2004 3755N 01230E OB 3 |             |              |       |                      |              |            |           |       | <b>EUROPE - ITALY</b><br><b>CAGLIARI ELMAS</b><br>16560 FEB 2004 3914N 00903E OB / |        |              |             |                      |              |            |           |       |  |  |  |  |
| 030  | 23355  | 0            | -63.8 |                      | 0            | 85         | 285       | 22    | 030   | 23468       | 0            | -62.8 |                      | 0            | 95         | 279       | 27    | 030  | 23462  | 0            | -63.1       |                      | 1            | 86         | 272       | 22    |  |  |  |  |
| 050  | 20224  | 0            | -63.6 |                      | 0            | 86         | 288       | 21    | 050   | 20346       | 0            | -65.1 |                      | 1            | 93         | 281       | 31    | 050  | 20333  | 0            | -64.7       |                      | 1            | 91         | 276       | 26    |  |  |  |  |
| 100  | 15945  | 0            | -60.4 |                      | 0            | 84         | 290       | 28    | 100   | 16112       | 0            | -62.3 |                      | 0            | 92         | 278       | 43    | 100  | 16091  | 0            | -61.8       |                      | 0            | 90         | 275       | 38    |  |  |  |  |
| 150  | 13409  | 0            | -59.4 |                      | 0            | 74         | 295       | 31    | 150   | 13587       | 0            | -59.5 |                      | 0            | 89         | 278       | 46    | 150  | 13562  | 0            | -59.4       |                      | 0            | 88         | 274       | 40    |  |  |  |  |
| 200  | 11614  | 0            | -60.6 |                      | 0            | 70         | 301       | 37    | 200   | 11799       | 0            | -61.7 |                      | 0            | 76         | 280       | 43    | 200  | 11775  | 0            | -61.8       |                      | 0            | 74         | 274       | 37    |  |  |  |  |
| 300  | 9053   | 0            | -50.7 |                      | 0            | 59         | 303       | 31    | 300   | 9226        | 0            | -48.0 |                      | 0            | 71         | 281       | 36    | 300  | 9203   | 0            | -48.3       |                      | 0            | 64         | 273       | 30    |  |  |  |  |
| 500  | 5536   | 0            | -24.4 |                      | 0            | 57         | 301       | 22    | 500   | 5658        | 0            | -20.5 |                      | 0            | 72         | 283       | 24    | 500  | 5641   | 0            | -21.1       |                      | 1            | 63         | 268       | 20    |  |  |  |  |
| 700  | 3000   | 0            | -8.2  | 20.1                 | 0            | 43         | 298       | 10    | 700   | 3081        | 0            | -3.1  | 23.1                 | 0            | 63         | 280       | 16    | 700  | 3069   | 0            | -3.1        | 23.0                 | 0            | 71         | 270       | 17    |  |  |  |  |
| 850  | 1468   | 0            | .0    | 9.0                  | 0            | 16         | 229       | 2     | 850   | 1518        | 0            | 5.9   | 9.8                  | 0            | 57         | 268       | 11    | 850  | 1506   | 0            | 5.5         | 10.6                 | 0            | 68         | 272       | 13    |  |  |  |  |
| 1008   | * 94   |              | 4.3   | .4                   |              |            |           |       | 1020  | * 9         |              | 12.6  | 9.4                  |              |            |           |       |  | 1020   | * 5          |             | 11.4                 | 6.8          |            |           |       |  |  |  |  |
| <b>EUROPE - ITALY</b><br><b>TRAPANI BIRGI</b><br>16429 MAR 2004 3755N 01230E OB 3    |        |              |       |                      |              |            |           |       |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 030  | 23635  | 1            | -58.8 |                      | 0            | 63         | 250       | 9     |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 050  | 20475  | 1            | -62.1 |                      | 1            | 87         | 262       | 18    |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 100  | 16183  | 1            | -59.7 |                      | 1            | 94         | 267       | 37    |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 150  | 13630  | 0            | -55.9 |                      | 0            | 89         | 267       | 45    |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 200  | 11802  | 0            | -57.6 |                      | 0            | 82         | 270       | 48    |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 300  | 9214   | 0            | -47.5 |                      | 0            | 75         | 263       | 45    |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 500  | 5641   | 0            | -20.5 |                      | 0            | 80         | 268       | 31    |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 700  | 3067   | 0            | -3.6  | 16.3                 | 0            | 70         | 273       | 16    |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 850  | 1507   | 0            | 5.2   | 5.9                  | 0            | 47         | 261       | 7     |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 1019   | * 9    |              | 13.5  | 9.9                  |              |            |           |       |   |             |              |       |                      |              |            |           |       |  |        |              |             |                      |              |            |           |       |  |  |  |  |

# UPPER AIR LATE REPORTS

| LEVEL                            |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL                            |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL                            |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       |  |
|----------------------------------|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----------------------------------|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----------------------------------|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|
| PRESSURE                         | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE                         | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE                         | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |
| hPa                              | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa                              | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa                              | gpm    |              | °C    | °C                   |              | %          | o         | mps   |  |
| <b>EUROPE - ITALY</b>            |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| <b>TRAPANI BIRGI</b>             |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 16429 APR 2004 3755N 01230E OB 3 |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 030                              | 23771  | 0            | -56.4 |                      | 1            | 73         | 258       | 9     |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 050                              | 20563  | 0            | -60.1 |                      | 0            | 81         | 263       | 12    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 100                              | 16242  | 0            | -58.9 |                      | 1            | 92         | 269       | 33    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 150                              | 13676  | 0            | -55.0 |                      | 0            | 94         | 272       | 45    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 200                              | 11841  | 0            | -56.1 |                      | 0            | 89         | 273       | 53    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 300                              | 9224   | 0            | -45.8 |                      | 0            | 81         | 267       | 46    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 500                              | 5630   | 0            | -18.9 |                      | 0            | 76         | 263       | 27    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 700                              | 3039   | 0            | -1.8  | 15.1                 | 0            | 66         | 261       | 15    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 850                              | 1469   | 0            | 6.7   | .7                   | 0            | 46         | 259       | 8     |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 1013                             | * 9    |              | 15.3  | 11.7                 |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| <b>EUROPE - ITALY</b>            |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| <b>TRAPANI BIRGI</b>             |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 16429 MAY 2004 3755N 01230E OB 3 |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 030                              | 23940  | 1            | -54.7 |                      | 1            | 49         | 111       | 5     |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 050                              | 20699  | 1            | -58.3 |                      | 2            | 33         | 211       | 4     |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 100                              | 16335  | 1            | -56.8 |                      | 1            | 95         | 259       | 29    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 150                              | 13757  | 1            | -55.1 |                      | 1            | 96         | 263       | 46    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 200                              | 11925  | 1            | -56.7 |                      | 1            | 93         | 264       | 50    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 300                              | 9302   | 1            | -44.4 |                      | 1            | 85         | 267       | 40    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 500                              | 5680   | 1            | -16.9 | 31.0                 | 1            | 83         | 270       | 24    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 700                              | 3069   | 1            | -1    | 14.8                 | 1            | 74         | 273       | 15    |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 850                              | 1491   | 1            | 8.3   | .4                   | 1            | 49         | 280       | 7     |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| 1014                             | * 9    |              | 17.4  | 12.8                 |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |                                  |        |              |       |                      |              |            |           |       |  |
| <b>EUROPE - ITALY</b>            |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY</b>            |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY</b>            |        |              |       |                      |              |            |           |       |  |
| <b>PRATICA DI MARE</b>           |        |              |       |                      |              |            |           |       | <b>TRAPANI BIRGI</b>             |        |              |       |                      |              |            |           |       | <b>CAGLIARI ELMAS</b>            |        |              |       |                      |              |            |           |       |  |
| 16245 JUN 2004 4139N 01227E OB 3 |        |              |       |                      |              |            |           |       | 16429 JUN 2004 3755N 01230E OB 3 |        |              |       |                      |              |            |           |       | 16560 JUN 2004 3914N 00903E OB / |        |              |       |                      |              |            |           |       |  |
| 030                              | 24140  | 0            | -51.8 |                      | 0            | 85         | 103       | 11    | 030                              | 24099  | 0            | -52.6 |                      | 0            | 96         | 95        | 15    | 030                              | 24116  | 0            | -52.7 |                      | 0            | 92         | 103       | 15    |  |
| 050                              | 20859  | 0            | -55.5 |                      | 0            | 73         | 124       | 7     | 050                              | 20842  | 0            | -57.3 |                      | 0            | 84         | 111       | 10    | 050                              | 20852  | 0            | -56.9 |                      | 0            | 74         | 112       | 9     |  |
| 100                              | 16486  | 0            | -58.2 |                      | 0            | 86         | 267       | 15    | 100                              | 16508  | 0            | -60.9 |                      | 0            | 88         | 261       | 18    | 100                              | 16504  | 0            | -60.1 |                      | 0            | 77         | 274       | 15    |  |
| 150                              | 13925  | 0            | -56.0 |                      | 0            | 83         | 280       | 22    | 150                              | 13969  | 0            | -57.6 |                      | 0            | 85         | 266       | 28    | 150                              | 13961  | 0            | -57.8 |                      | 0            | 75         | 277       | 21    |  |
| 200                              | 12095  | 0            | -56.0 |                      | 0            | 70         | 290       | 27    | 200                              | 12151  | 0            | -56.6 |                      | 0            | 72         | 272       | 28    | 200                              | 12145  | 0            | -57.2 |                      | 0            | 64         | 290       | 23    |  |
| 300                              | 9456   | 0            | -41.6 |                      | 0            | 70         | 285       | 28    | 300                              | 9502   | 0            | -40.5 |                      | 0            | 70         | 282       | 25    | 300                              | 9501   | 0            | -40.7 |                      | 0            | 69         | 287       | 27    |  |
| 500                              | 5777   | 0            | -13.2 | 29.8                 | 0            | 71         | 287       | 17    | 500                              | 5808   | 0            | -11.9 | 29.0                 | 0            | 77         | 287       | 21    | 500                              | 5811   | 0            | -12.2 | 31.5                 | 0            | 73         | 293       | 19    |  |
| 700                              | 3132   | 0            | 3.4   | 9.0                  | 0            | 56         | 289       | 8     | 700                              | 3147   | 0            | .5    | 9.0                  | 0            | 71         | 286       | 14    | 700                              | 3154   | 0            | 4.9   | 12.5                 | 0            | 69         | 300       | 13    |  |
| 850                              | 1527   | 0            | 13.6  | 3.4                  | 0            | 35         | 267       | 3     | 850                              | 1535   | 0            | 14.7  | 3.5                  | 0            | 57         | 289       | 7     | 850                              | 1542   | 0            | 14.7  | 2.2                  | 0            | 65         | 312       | 9     |  |
| 1012                             | * 21   |              | 21.7  | 1.6                  |              |            |           |       | 1015                             | * 9    |              | 22.1  | 17.4                 |              |            |           |       | 1017                             | * 5    |              | 23.8  | 14.4                 |              |            |           |       |  |

# UPPER AIR LATE REPORTS

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           | LEVEL |          | TEMPERATURE |              |      | VECTOR WIND          |              |            | LEVEL     |       | TEMPERATURE |        |              | VECTOR WIND |                      |              |            |           |       |  |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----------|-------------|--------------|------|----------------------|--------------|------------|-----------|-------|-------------|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|--|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT      | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE    | HEIGHT | MISSING DAYS | MEAN        | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa      | gpm         |              | °C   | °C                   |              | %          | o         | mps   | hPa         | gpm    |              | °C          | °C                   |              | %          | o         | mps   |  |
| <b>EUROPE - ITALY</b><br><b>TRAPANI BIRGI</b><br>16429 JUL 2004 3755N 01230E OB 3 |        |              |       |                      |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 030   | 24181  | 0            | -52.5 |                      | 0            | 97         | 96        | 23    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 050   | 20296  | 0            | -58.3 |                      | 0            | 93         | 102       | 16    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 100   | 16648  | 0            | -65.1 |                      | 0            | 85         | 251       | 18    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 150   | 14150  | 0            | -58.4 |                      | 0            | 93         | 263       | 38    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 200   | 12308  | 0            | -50.6 |                      | 0            | 88         | 271       | 39    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 300   | 9595   | 0            | -37.0 |                      | 0            | 77         | 287       | 25    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 500   | 5862   | 0            | -9.6  | 32.8                 | 0            | 79         | 301       | 15    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 700   | 3177   | 0            | .8    | 11.0                 | 0            | 68         | 311       | 10    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 850   | 1546   | 0            | 1.8   | 3.5                  | 0            | 33         | 315       | 4     |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 1015  | * 9    |              | 25.5  | 18.5                 |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| <b>EUROPE - ITALY</b><br><b>TRAPANI BIRGI</b><br>16429 AUG 2004 3755N 01230E OB 3 |        |              |       |                      |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 030   | 24163  | 0            | -52.9 |                      | 0            | 96         | 95        | 19    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 050   | 20911  | 0            | -58.0 |                      | 0            | 90         | 108       | 13    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 100   | 16609  | 0            | -63.4 |                      | 0            | 85         | 256       | 18    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 150   | 14105  | 0            | -59.8 |                      | 0            | 94         | 266       | 33    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 200   | 12290  | 0            | -55.4 |                      | 0            | 91         | 278       | 31    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 300   | 9616   | 0            | -37.7 |                      | 0            | 89         | 290       | 26    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 500   | 5880   | 0            | -9.7  | 29.0                 | 0            | 91         | 272       | 22    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 700   | 3190   | 0            | 9.3   | 12.2                 | 0            | 90         | 300       | 18    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 850   | 1551   | 0            | 19.4  | .5                   | 0            | 69         | 298       | 9     |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 1015  | * 9    |              | 26.8  | 21.2                 |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| <b>EUROPE - ITALY</b><br><b>MILANO/LINATE</b><br>16080 SEP 2004 4526N 00917E OB 3 |        |              |       |                      |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 030   | 24001  | 0            | -53.8 |                      | 0            | 50         | 248       | 6     |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 050   | 20748  | 0            | -56.9 |                      | 0            | 52         | 265       | 5     |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 100   | 16393  | 0            | -60.1 |                      | 0            | 72         | 295       | 13    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 150   | 13869  | 0            | -60.5 |                      | 0            | 65         | 313       | 18    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 200   | 12072  | 0            | -57.7 |                      | 0            | 52         | 327       | 20    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 300   | 9432   | 0            | -41.2 |                      | 0            | 46         | 330       | 17    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 500   | 5738   | 0            | -14.1 | 27.4                 | 0            | 48         | 318       | 11    |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 700   | 3125   | 0            | 1.8   | 7.1                  | 0            | 42         | 318       | 5     |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 850   | 1532   | 0            | 10.3  | 5.1                  | 0            | 29         | 322       | 2     |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |
| 1006  | * 103  |              | 21.5  | 13.8                 |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |  |

# UPPER AIR LATE REPORTS

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL    |        | TEMPERATURE  |      |                      | VECTOR WIND  |            |           |       |  |  |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|--|--|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |  |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa      | gpm    |              | °C   | °C                   |              | %          | o         | mps   |  |  |
| <b>EUROPE - ITALY MILANO/LINATE</b><br>16080 OCT 2004 4526N 00917E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY PRATICA DI MARE</b><br>16245 OCT 2004 4139N 01227E OB 3 |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |  |
| 030   | 23802  | 0            | -57.0 |                      | 0            | 95         | 267       | 28    | 030   | 23863  | 0            | -55.4 |                      |              | 1          | 93        | 266   | 20       |        |              |      |                      |              |            |           |       |  |  |
| 050   | 20583  | 0            | -58.9 |                      | 0            | 95         | 262       | 23    | 050   | 20644  | 0            | -58.7 |                      |              | 0          | 89        | 263   | 17       |        |              |      |                      |              |            |           |       |  |  |
| 100   | 16253  | 0            | -60.5 |                      | 0            | 94         | 255       | 25    | 100   | 16314  | 0            | -62.6 |                      |              | 0          | 93        | 263   | 22       |        |              |      |                      |              |            |           |       |  |  |
| 150   | 13730  | 0            | -59.6 |                      | 0            | 91         | 254       | 32    | 150   | 13816  | 0            | -61.9 |                      |              | 0          | 91        | 264   | 31       |        |              |      |                      |              |            |           |       |  |  |
| 200   | 11931  | 0            | -59.1 |                      | 0            | 83         | 259       | 39    | 200   | 12037  | 0            | -60.5 |                      |              | 0          | 78        | 265   | 33       |        |              |      |                      |              |            |           |       |  |  |
| 300   | 9316   | 0            | -43.6 |                      | 0            | 83         | 248       | 39    | 300   | 9418   | 0            | -42.3 |                      |              | 0          | 84        | 262   | 32       |        |              |      |                      |              |            |           |       |  |  |
| 500   | 5680   | 0            | -16.2 | 29.2                 | 0            | 88         | 243       | 26    | 500   | 5755   | 0            | -14.5 | 26.3                 |              | 0          | 84        | 260   | 25       |        |              |      |                      |              |            |           |       |  |  |
| 700   | 3066   | 0            | -1    | 7.3                  | 0            | 85         | 234       | 15    | 700   | 3120   | 0            | 2.4   | 8.6                  |              | 0          | 80        | 261   | 19       |        |              |      |                      |              |            |           |       |  |  |
| 850   | 1487   | 0            | 7.7   | 5.5                  | 0            | 65         | 194       | 7     | 850   | 1512   | 0            | 12.1  | 5.0                  |              | 0          | 77        | 234   | 11       |        |              |      |                      |              |            |           |       |  |  |
| 1002  | * 103  |              | 16.3  | 13.0                 |              |            |           |       | 1012  | * 21   |              | 2.0   | 15.5                 |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |  |
| <b>EUROPE - ITALY MILANO/LINATE</b><br>16080 NOV 2004 4526N 00917E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY TRAPANI BIRGI</b><br>16429 NOV 2004 3755N 01230E OB 3   |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |  |
| 030   | 23514  | 1            | -63.4 |                      | 2            | 95         | 281       | 35    | 030   | 23678  | 1            | -58.6 |                      |              | 1          | 96        | 270   | 40       |        |              |      |                      |              |            |           |       |  |  |
| 050   | 20371  | 1            | -64.0 |                      | 1            | 91         | 292       | 27    | 050   | 20487  | 0            | -61.2 |                      |              | 0          | 93        | 271   | 31       |        |              |      |                      |              |            |           |       |  |  |
| 100   | 16106  | 0            | -61.4 |                      | 1            | 80         | 298       | 22    | 100   | 16205  | 0            | -62.5 |                      |              | 0          | 90        | 276   | 30       |        |              |      |                      |              |            |           |       |  |  |
| 150   | 13582  | 0            | -59.4 |                      | 1            | 65         | 301       | 21    | 150   | 13688  | 0            | -59.5 |                      |              | 0          | 87        | 275   | 35       |        |              |      |                      |              |            |           |       |  |  |
| 200   | 11781  | 0            | -59.3 |                      | 1            | 52         | 308       | 20    | 200   | 11885  | 0            | -58.8 |                      |              | 0          | 77        | 276   | 35       |        |              |      |                      |              |            |           |       |  |  |
| 300   | 9183   | 0            | -46.8 |                      | 1            | 39         | 301       | 17    | 300   | 9277   | 0            | -45.4 |                      |              | 0          | 64        | 283   | 27       |        |              |      |                      |              |            |           |       |  |  |
| 500   | 5607   | 0            | -20.7 | 32.2                 | 1            | 28         | 300       | 9     | 500   | 5669   | 0            | -18.1 | 31.8                 |              | 0          | 54        | 278   | 16       |        |              |      |                      |              |            |           |       |  |  |
| 700   | 3036   | 0            | -4.3  | 16.1                 | 0            | 16         | 326       | 3     | 700   | 3070   | 0            | -1.5  | 13.0                 |              | 0          | 41        | 270   | 9        |        |              |      |                      |              |            |           |       |  |  |
| 850   | 1481   | 0            | 3.9   | 4.8                  | 0            | 17         | 76        | 3     | 850   | 1500   | 0            | 6.5   | .9                   |              | 0          | 36        | 258   | 6        |        |              |      |                      |              |            |           |       |  |  |
| 1005  | * 103  |              | 10.1  | 4.5                  |              |            |           |       | 1016  | * 9    |              | 16.2  | 12.7                 |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |  |
| <b>EUROPE - ITALY MILANO/LINATE</b><br>16080 DEC 2004 4526N 00917E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY BRINDISI</b><br>16320 DEC 2004 4039N 01757E OB 3        |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |  |
| 030   | 23491  | 2            | -62.9 |                      | 3            | 84         | 272       | 22    | 030   | 23538  | 0            | -61.2 |                      |              | 0          | 94        | 268   | 26       |        |              |      |                      |              |            |           |       |  |  |
| 050   | 20348  | 1            | -62.5 |                      | 1            | 79         | 282       | 18    | 050   | 20330  | 0            | -62.2 |                      |              | 0          | 89        | 277   | 21       |        |              |      |                      |              |            |           |       |  |  |
| 100   | 16046  | 0            | -59.7 |                      | 0            | 67         | 282       | 17    | 100   | 16049  | 0            | -61.4 |                      |              | 0          | 88        | 275   | 27       |        |              |      |                      |              |            |           |       |  |  |
| 150   | 13505  | 0            | -58.8 |                      | 0            | 60         | 302       | 19    | 150   | 13519  | 0            | -58.9 |                      |              | 0          | 84        | 267   | 33       |        |              |      |                      |              |            |           |       |  |  |
| 200   | 11701  | 0            | -58.8 |                      | 0            | 31         | 303       | 13    | 200   | 11720  | 0            | -59.9 |                      |              | 0          | 73        | 265   | 36       |        |              |      |                      |              |            |           |       |  |  |
| 300   | 9116   | 0            | -49.1 |                      | 0            | 23         | 284       | 11    | 300   | 9140   | 0            | -49.0 |                      |              | 0          | 52        | 251   | 23       |        |              |      |                      |              |            |           |       |  |  |
| 500   | 5575   | 0            | -22.7 |                      | 0            | 17         | 252       | 5     | 500   | 5595   | 0            | -22.3 |                      |              | 0          | 53        | 241   | 14       |        |              |      |                      |              |            |           |       |  |  |
| 700   | 3023   | 0            | -6.2  | 17.1                 | 0            | 4          | 218       | 1     | 700   | 3039   | 0            | -5.1  | 15.2                 |              | 0          | 49        | 232   | 10       |        |              |      |                      |              |            |           |       |  |  |
| 850   | 1481   | 0            | 1.6   | 7.0                  | 0            | 28         | 81        | 3     | 850   | 1488   | 0            | 3.4   | 3.0                  |              | 0          | 38        | 212   | 7        |        |              |      |                      |              |            |           |       |  |  |
| 1007  | * 103  |              | .6    | 2.4                  |              |            |           |       | 1018  | * 10   |              | 14.0  | 9.2                  |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |  |

# UPPER AIR LATE REPORTS

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL    |        | TEMPERATURE  |      |                      | VECTOR WIND  |            |           |       | LEVEL    |        | TEMPERATURE  |      |                      | VECTOR WIND  |            |           |       |  |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|--|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa      | gpm    |              | °C   | °C                   |              | %          | o         | mps   | hPa      | gpm    |              | °C   | °C                   |              | %          | o         | mps   |  |
| <b>AFRICA - SOUTH AFRICA</b><br><b>GOUGH ISLAND</b><br>68906 JAN 2006 4021S 00953W OB 3         |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 030   | 23833  | 30           | -50.8 |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 050   | 20542  | 30           | -53.5 |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 100   | 16166  | 30           | -58.6 |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 150   | 13609  | 30           | -56.4 |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 200   | 11786  | 30           | -58.4 | 9.0                  |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 300   | 9162   | 30           | -42.6 | 14.1                 |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 500   | 5530   | 30           | -18.9 | 7.5                  |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 700   | 2956   | 30           | -5.8  | 33.8                 |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 850   | 1429   | 30           | -1.2  | .3                   |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 1006  | * 54   |              | 10.2  | 5.3                  |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| <b>AFRICA - SOUTH AFRICA</b><br><b>BLOEMFONTEIN AIRPORT</b><br>68442 FEB 2006 2906S 02618E OB 3 |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 030   | 23875  | 12           | -55.5 |                      | 9            | 99         | 92        | 15    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 050   | 20689  | 2            | -65.7 |                      | 2            | 99         | 100       | 8     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 100   | 16622  | 2            | -74.8 |                      | 2            | 99         | 260       | 7     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 150   | 14216  | 2            | -64.9 |                      | 2            | 99         | 260       | 17    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 200   | 12420  | 2            | -53.4 | 16.3                 | 2            | 99         | 275       | 18    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 300   | 9686   | 2            | -31.8 | 18.6                 | 2            | 99         | 277       | 13    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 500   | 5877   | 2            | -5.8  | 13.0                 | 2            | 99         | 279       | 4     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 700   | 3165   | 2            | 9.8   | 4.6                  | 2            | 99         | 346       | 1     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 850   | 1517   | 2            | 19.3  | 5.0                  | 2            | 99         | 41        | 3     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 866   | *1359  |              | 17.4  | 1.9                  |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| <b>AFRICA - SOUTH AFRICA</b><br><b>BLOEMFONTEIN AIRPORT</b><br>68442 MAR 2006 2906S 02618E OB 3 |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 030   | 23892  | 9            | -55.2 |                      | 9            | 99         | 91        | 11    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 050   | 20696  | 4            | -63.6 |                      | 4            | 99         | 91        | 6     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 100   | 16579  | 2            | -73.6 |                      | 2            | 99         | 288       | 13    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 150   | 14161  | 2            | -63.7 |                      | 2            | 99         | 282       | 21    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 200   | 12354  | 2            | -52.7 | 20.5                 | 2            | 99         | 284       | 24    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 300   | 9630   | 2            | -34.3 | 17.5                 | 2            | 99         | 291       | 15    |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 500   | 5861   | 2            | -8.5  | 21.2                 | 2            | 99         | 290       | 5     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 700   | 3174   | 2            | -1.6  | 10.8                 | 2            | 99         | 304       | 1     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 850   | 1543   | 2            | 16.2  | 7.0                  | 2            | 99         | 17        | 3     |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 869   | *1359  |              | 12.7  | 1.9                  |              |            |           |       |          |        |              |      |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |



# UPPER AIR LATE REPORTS

| LEVEL   |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL  |        | TEMPERATURE  |       |                      | VECTOR WIND  |            |           |       | LEVEL    |        | TEMPERATURE  |      |                      | VECTOR WIND  |            |           |       |  |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|--|
| PRESSURE  | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE   | HEIGHT | MISSING DAYS | MEAN  | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |  |
| hPa   | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa  | gpm    |              | °C    | °C                   |              | %          | o         | mps   | hPa      | gpm    |              | °C   | °C                   |              | %          | o         | mps   |  |
| <b>ASIA - INDIA</b><br><b>NAGPUR SONEGAON</b><br>42867 APR 2006 2106N 07903E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA</b><br><b>MANGALORE/PANAMBUR</b><br>43285 APR 2006 1257N 07450E OB 3 |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 030   |        |              |       |                      |              |            |           |       | 030  |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 050   |        |              |       |                      |              |            |           |       | 050  |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 100   | 16438  | 9            | -75.7 |                      | 9            | 73         | 272       | 6     | 100  |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 150   | 14051  | 8            | -65.8 |                      | 8            | 96         | 261       | 19    | 150  |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
| 200   | 12260  | 8            | -55.1 | 12.6                 | 8            | 91         | 261       | 25    | 200  | 12410  | 5            | -54.6 |                      |              | 9          | 72        | 215   | 7        |        |              |      |                      |              |            |           |       |  |
| 300   | 9567   | 7            | -35.5 | 15.8                 | 7            | 90         | 280       | 23    | 300  | 9686   | 1            | -31.4 | 20.2                 |              | 4          | 39        | 259   | 3        |        |              |      |                      |              |            |           |       |  |
| 500   | 5810   | 6            | -8.1  | 18.1                 | 6            | 91         | 289       | 12    | 500  | 5857   |              | -4.0  | 24.8                 |              | 1          | 51        | 58    | 4        |        |              |      |                      |              |            |           |       |  |
| 700   | 3128   | 4            | 8.7   | 9.7                  | 4            | 80         | 283       | 5     | 700  | 3139   |              | 10.1  | 7.7                  |              |            | 81        | 59    | 5        |        |              |      |                      |              |            |           |       |  |
| 850   | 1484   | 4            | 22.8  | 16.2                 | 4            | 66         | 297       | 4     | 850  | 1494   |              | 21.9  | 11.9                 |              |            | 58        | 355   | 2        |        |              |      |                      |              |            |           |       |  |
| 970   | * 310  |              | 31.7  | 18.3                 |              |            |           |       | 1005   | * 32   |              | 28.9  | 5.2                  |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
|   |        |              |       |                      |              |            |           |       |  |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
|   |        |              |       |                      |              |            |           |       |  |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |
|   |        |              |       |                      |              |            |           |       |  |        |              |       |                      |              |            |           |       |          |        |              |      |                      |              |            |           |       |  |

# STATION LIST RECENT DATA

|       |    |                             |                     |       |    |                          |                     |
|-------|----|-----------------------------|---------------------|-------|----|--------------------------|---------------------|
| 06030 | C  | AALBORG                     | DENMARK AND FAROE I | 47575 | C  | AOMORI                   | JAPAN               |
| 04220 | CT | AASIAAT (EGEDESMINDE)       | GREENLAND           | 80084 | C  | APARTADO/LOS CEDROS      | COLOMBIA            |
| 47409 | C  | ABASHIRI                    | JAPAN               | 48462 | C  | ARANYAPRATHET            | THAILAND            |
| 07005 | C  | ABBEVILLE                   | FRANCE              | 84752 | C  | AREQUIPA                 | PERU                |
| 03502 | C  | ABERPORTH                   | U KINGDOM           | 22550 | CT | ARHANGEL'SK              | RUSSIAN FEDERATION  |
| 41112 | C  | ABHA                        | SAUDI ARABIA        | 85406 | C  | ARICA                    | CHILE               |
| 65578 | C  | ABIDJAN                     | COTE D'IVOIRE       | 10091 | C  | ARKONA                   | GERMANY             |
| 41217 | CT | ABU DHABI INTER. AIRPORT    | U ARAB EMIRATES     | 62772 | C  | AROMA                    | SUDAN               |
| 76805 | C  | ACAPULCO, GRO.              | MEXICO              | 10460 | C  | ARTERN                   | GERMANY             |
| 63450 | CT | ADDIS ABABA-BOLE            | ETHIOPIA            | 44288 | C  | ARVAIHEER                | MONGOLIA            |
| 94672 | CT | ADELAIDE AIRPORT            | AUSTRALIA           | 60452 | C  | ARZEW                    | ALGERIA             |
| 65585 | C  | ADIAKE                      | COTE D'IVOIRE       | 47407 | C  | ASAHIKAWA                | JAPAN               |
| 60620 | C  | ADRAR                       | ALGERIA             | 72315 | C  | ASHEVILLE/MUN., NC.      | USA                 |
| 76644 | CT | AEROP.INTERNACIONAL MERIDA, | MEXICO              | 62414 | CT | ASSWAN                   | EGYPT               |
| 17190 | C  | AFYON                       | TURKEY              | 86218 | C  | ASUNCION/AEROPUERTO      | PARAGUAY            |
| 61024 | C  | AGADEZ                      | NIGER               | 61421 | C  | ATAR                     | MAURITANIA          |
| 42647 | CT | AHMADABAD                   | INDIA               | 62680 | C  | ATBARA                   | SUDAN               |
| 47602 | C  | AIKAWA                      | JAPAN               | 17607 | T  | ATHALASSA                | CYPRUS              |
| 60415 | C  | AIN-BESSAM                  | ALGERIA             | 72219 | C  | ATLANTA/MUN., GA.        | USA                 |
| 61499 | C  | AIOUN EL ATROUSS            | MAURITANIA          | 91925 | CT | ATUONA                   | FRENCH POLY.        |
| 07761 | CT | AJACCIO                     | FRANCE              | 35700 | C  | ATYRAU                   | KAZAKHSTAN          |
| 47582 | CT | AKITA                       | JAPAN               | 10852 | C  | AUGSBURG                 | GERMANY             |
| 42933 | C  | AKOLA                       | INDIA               | 72254 | C  | AUSTIN/CTY, TX.          | USA                 |
| 72521 | C  | AKRON/AKRON-CANTON REG. OH. | USA                 | 31168 | CT | AYAN                     | RUSSIAN FEDERATION  |
| 04063 | C  | AKUREYRI                    | ICELAND             | 08330 | C  | BADAJEZ/TALAVERA LA REAL | SPAIN               |
| 40420 | C  | AL-AHSA                     | SAUDI ARABIA        | 30554 | CT | BAGDARIN                 | RUSSIAN FEDERATION  |
| 08280 | C  | ALBACETE/LOS LLANOS         | SPAIN               | 87750 | C  | BAHIA BLANCA AERO        | ARGENTINA           |
| 31004 | CT | ALDAN                       | RUSSIAN FEDERATION  | 44265 | C  | BAITAG                   | MONGOLIA            |
| 07139 | C  | ALENCON                     | FRANCE              | 23891 | C  | BAJKIT                   | RUSSIAN FEDERATION  |
| 60369 | C  | ALGER-PORT                  | ALGERIA             | 71926 | T  | BAKER LAKE UA, NU        | CANADA              |
| 08359 | C  | ALICANTE                    | SPAIN               | 07299 | C  | BALE-MULHOUSE            | FRANCE              |
| 42475 | C  | ALLAHABAD/BAMHRAULI         | INDIA               | 43295 | C  | BANGALORE                | INDIA               |
| 08487 | C  | ALMERIA/AEROPUERTO          | SPAIN               | 29612 | C  | BARABINSK                | RUSSIAN FEDERATION  |
| 44277 | C  | ALTAI                       | MONGOLIA            | 07790 | C  | BASTIA                   | FRANCE              |
| 97724 | C  | AMBON/PATTIMURA             | INDONESIA           | 37484 | C  | BATUMI                   | GEORGIA             |
| 42071 | C  | AMRITSAR                    | INDIA               | 91557 | C  | BAUERFIELD (EFATE)       | VANUATU             |
| 25563 | C  | ANADYR'                     | RUSSIAN FEDERATION  | 44275 | C  | BAYANBULAG               | MONGOLIA            |
| 70273 | CT | ANCHORAGE/INT., AK          | USA                 | 60571 | CT | BECHAR                   | ALGERIA             |
| 91568 | C  | ANEITYUM                    | VANUATU             | 54511 | CT | BEIJING                  | CHINA               |
| 10291 | C  | ANGERMUENDE                 | GERMANY             | 60401 | C  | BEJAIA-PORT              | ALGERIA             |
| 17130 | CT | ANKARA/CENTRAL              | TURKEY              | 82191 | C  | BELEM                    | BRAZIL              |
| 60360 | C  | ANNABA                      | ALGERIA             | 60518 | C  | BENI-SAF                 | ALGERIA             |
| 17300 | C  | ANTALYA                     | TURKEY              | 13275 | T  | BEOGRAD/KOSUTNJAK        | SERBIA AND MONTENEG |
| 40718 | C  | ANZALI                      | IRAN, ISLAMIC REP   | 10384 | C  | BERLIN-TEMPELHOF         | GERMANY             |

# STATION LIST RECENT DATA

|       |    |                              |                    |       |    |                              |             |
|-------|----|------------------------------|--------------------|-------|----|------------------------------|-------------|
| 40179 | T  | BET DAGAN                    | ISRAEL             | 07661 | C  | CAP CEPET                    | FRANCE      |
| 42971 | CT | BHUBANESHWAR                 | INDIA              | 71818 | C  | CARTWRIGHT, NFLD             | CANADA      |
| 12295 | C  | BIALYSTOK                    | POLAND             | 03967 | C  | CASEMENT AERODROME           | IRELAND     |
| 42165 | C  | BIKANER                      | INDIA              | 16459 | C  | CATANIA SIGONELLA            | ITALY       |
| 08025 | C  | BILBAO/SONDICA               | SPAIN              | 94653 | C  | CEDUNA AMO                   | AUSTRALIA   |
| 72515 | C  | BINGHAMTON/BROOME CO., NY.   | USA                | 89056 | C  | CENTRO MET. ANTARTICO PDTE.  | CHILE       |
| 61401 | C  | BIR MOGHREIN                 | MAURITANIA         | 87257 | C  | CERES AERO                   | ARGENTINA   |
| 41084 | C  | BISHA                        | SAUDI ARABIA       | 07314 | C  | CHASSIRON                    | FRANCE      |
| 01028 | CT | BJORNOYA                     | NORWAY             | 10577 | C  | CHEMNITZ                     | GERMANY     |
| 31510 | T  | BLAGOVESCHENSK               | RUSSIAN FEDERATION | 41768 | C  | CHHOR                        | PAKISTAN    |
| 68442 | CT | BLOEMFONTEIN AIRPORT         | SOUTH AFRICA       | 48327 | CT | CHIANG MAI                   | THAILAND    |
| 82024 | C  | BOA VISTA                    | BRAZIL             | 60425 | C  | CHLEF                        | ALGERIA     |
| 65510 | C  | BOBO-DIOULASSO               | BURKINA FASO       | 44259 | C  | CHOIBALSAN                   | MONGOLIA    |
| 01152 | CT | BODO                         | NORWAY             | 93780 | C  | CHRISTCHURCH                 | N ZEALAND   |
| 80222 | CT | BOGOTA/ELDORADO              | COLOMBIA           | 47014 | C  | CHUNGGANG                    | DPR KOREA   |
| 65338 | C  | BOHICON                      | BENIN              | 96805 | C  | CILACAP                      | INDONESIA   |
| 72681 | C  | BOISE/MUN., ID.              | USA                | 72421 | C  | CINCINNATI/GREATER CINCINNAT | USA         |
| 31174 | C  | BOL'SHOJ SHANTAR             | RUSSIAN FEDERATION | 08348 | C  | CIUDAD REAL                  | SPAIN       |
| 43057 | C  | BOMBAY / COLABA              | INDIA              | 72360 | C  | CLAYTON/MUN., NM.            | USA         |
| 65545 | C  | BONDOUKOU                    | COTE D'IVOIRE      | 07460 | C  | CLERMONT-FERRAND             | FRANCE      |
| 23884 | C  | BOR                          | RUSSIAN FEDERATION | 15120 | CT | CLUJ-NAPOCA                  | ROMANIA     |
| 72509 | C  | BOSTON/LOGAN INT.,           | USA                | 82425 | C  | COARI                        | BRAZIL      |
| 60405 | C  | BOUCHEGOUF                   | ALGERIA            | 85041 | C  | COBIJA                       | BOLIVIA     |
| 08575 | C  | BRAGANCA                     | PORTUGAL           | 96996 | CT | COCOS ISLAND AERO            | ISLANDS     |
| 10129 | C  | BREMERHAVEN                  | GERMANY            | 94791 | C  | COFFS HARBOUR MO             | AUSTRALIA   |
| 16320 | T  | BRINDISI                     | ITALY              | 70316 | CT | COLD BAY, AK                 | USA         |
| 11723 | C  | BRNO/TURANY                  | CZECH REP          | 76848 | C  | COMITAN, CHIS.               | MEXICO      |
| 10453 | C  | BROCKEN                      | GERMANY            | 82861 | C  | CONCEICAO DO ARAGUAIA        | BRAZIL      |
| 96315 | CT | BRUNEI AIRPORT               | BRUNEI DARUSSALAM  | 03955 | C  | CORK AIRPORT                 | IRELAND     |
| 15420 | C  | BUCURESTI BANEASA            | ROMANIA            | 10496 | C  | COTTBUS                      | GERMANY     |
| 12843 | CT | BUDAPEST/PESTSZENTLORINC     | HUNGARY            | 85864 | C  | COYHAIQUE                    | CHILE       |
| 87585 | C  | BUENOS AIRES OBSERVATORIO    | ARGENTINA          | 15450 | C  | CRAIOVA                      | ROMANIA     |
| 72528 | C  | BUFFALO/GREATER BUFFALO INT. | USA                | 82704 | C  | CRUZEIRO DO SUL              | BRAZIL      |
| 44239 | C  | BULGAN                       | MONGOLIA           | 80097 | C  | CUCUTA/CAMILO DAZA           | COLOMBIA    |
| 08075 | C  | BURGOS/VILLAFRIA             | SPAIN              | 08231 | C  | CUENCA                       | SPAIN       |
| 47159 | C  | BUSAN                        | REP KOREA          | 83361 | C  | CUIABA                       | BRAZIL      |
| 95916 | C  | CABRAMURRA SMHEA             | AUSTRALIA          | 80420 | C  | CUMANA                       | VENEZUELA   |
| 08261 | C  | CACERES                      | SPAIN              | 85629 | C  | CURICO                       | CHILE       |
| 07027 | C  | CAEN                         | FRANCE             | 10131 | C  | CUXHAVEN                     | GERMANY     |
| 16560 | T  | CAGLIARI ELMAS               | ITALY              | 84686 | C  | CUZCO                        | PERU        |
| 94287 | C  | CAIRNS AERO                  | AUSTRALIA          | 43150 | T  | CWC VISHAKHAPATNAM/WALTAIR   | INDIA       |
| 80442 | C  | CALABOZO                     | VENEZUELA          | 47133 | C  | DAEJEON                      | REP KOREA   |
| 71925 | T  | CAMBRIDGE BAY UA, NU         | CANADA             | 98325 | C  | DAGUPAN                      | PHILIPPINES |
| 17112 | C  | CANAKKALE                    | TURKEY             | 61641 | CT | DAKAR/YOFF                   | SENEGAL     |

# STATION LIST RECENT DATA

|       |    |                           |                    |       |    |                              |                    |
|-------|----|---------------------------|--------------------|-------|----|------------------------------|--------------------|
| 31873 | C  | DAL'NERECHENSK            | RUSSIAN FEDERATION | 40199 | C  | EILAT                        | ISRAEL             |
| 62805 | C  | DAMAZINE                  | SUDAN              | 62337 | C  | EL ARISH                     | EGYPT              |
| 04320 | CT | DANMARKSHAVN              | GREENLAND          | 60550 | C  | EL-BAYADH                    | ALGERIA            |
| 60390 | CT | DAR-EL-BEIDA              | ALGERIA            | 12160 | C  | ELBLAG                       | POLAND             |
| 44256 | C  | DASHBALBAR                | MONGOLIA           | 72486 | C  | ELY/YELLAND, NV.             | USA                |
| 26544 | C  | DAUGAVPILS                | LATVIA             | 07591 | C  | EMBRUN                       | FRANCE             |
| 89571 | CT | DAVIS                     | AUSTRALIA          | 10200 | C  | EMDEN-FLUGPLATZ              | GERMANY            |
| 71966 | C  | DAWSON, YT                | CANADA             | 76256 | C  | EMPALME, SON.                | MEXICO             |
| 72429 | C  | DAYTON/. COX, OH.         | USA                | 62781 | C  | EN NAHUD                     | SUDAN              |
| 06260 | CT | DE BILT                   | NETHERLANDS        | 86297 | C  | ENCARNACION                  | PARAGUAY           |
| 12882 | C  | DEBRECEN                  | HUNGARY            | 29263 | C  | ENISEJSK                     | RUSSIAN FEDERATION |
| 65505 | C  | DEDOUGOU                  | BURKINA FASO       | 44237 | C  | ERDENEMANDAL                 | MONGOLIA           |
| 60387 | C  | DELLYS                    | ALGERIA            | 53068 | C  | ERENHOT                      | CHINA              |
| 97230 | C  | DENPASAR/NGURAH RAI       | INDONESIA          | 10554 | C  | ERFURT-BINDERSLEBEN          | GERMANY            |
| 41624 | C  | DERA ISMAIL KHAN          | PAKISTAN           | 17092 | C  | ERZINCAN                     | TURKEY             |
| 72546 | C  | DES MOINES/MUN., IA.      | USA                | 40800 | C  | ESFAHAN                      | IRAN, ISLAMIC REP  |
| 72537 | C  | DETROIT/METROPOLITAN, MI. | USA                | 03162 | C  | ESKDALEMUIR                  | U KINGDOM          |
| 40416 | C  | DHAHRAN                   | SAUDI ARABIA       | 94638 | CT | ESPERANCE                    | AUSTRALIA          |
| 42404 | C  | DHUBRI                    | INDIA              | 87803 | C  | ESQUEL AERO                  | ARGENTINA          |
| 42314 | C  | DIBRUGARH /MOHANBARI      | INDIA              | 10410 | CT | ESSEN-BREDENEY               | GERMANY            |
| 07280 | C  | DIJON                     | FRANCE             | 71862 | C  | ESTEVAN A, SASK              | CANADA             |
| 65562 | C  | DIMBOKRO                  | COTE D'IVOIRE      | 71917 | C  | EUREKA, NU                   | CANADA             |
| 89054 | C  | DINAMET-URUGUAY           | URUGUAY            | 72432 | C  | EVANSVILLE/REG., IN.         | USA                |
| 61666 | C  | DIORBEL                   | SENEGAL            | 87576 | CT | EZEIZA AERO                  | ARGENTINA          |
| 63471 | C  | DIREDAWA                  | ETHIOPIA           | 65507 | C  | FADA N'GOURMA                | BURKINA FASO       |
| 17280 | C  | DIYARBAKIR                | TURKEY             | 70261 | C  | FAIRBANKS/INT., AK           | USA                |
| 64453 | C  | DJAMBALA                  | CONGO              | 08554 | C  | FARO/AEROPORTO               | PORTUGAL           |
| 60535 | C  | DJELFA                    | ALGERIA            | 76698 | C  | FELIPE CARRILLO PUERTO, Q.RO | MEXICO             |
| 63862 | C  | DODOMA                    | U REP TANZANIA     | 82400 | T  | FERNANDO DE NORONHA          | BRAZIL             |
| 64401 | C  | DOLISIE                   | CONGO              | 11155 | C  | FEUERKOGEL                   | AUSTRIA            |
| 62650 | C  | DONGOLA                   | SUDAN              | 10578 | C  | FICHTELBERG                  | GERMANY            |
| 65501 | C  | DORI                      | BURKINA FASO       | 72637 | C  | FLINT/BISHOP, MI.            | USA                |
| 64910 | CT | DOUALA OBS.               | CAMEROON           | 82678 | CT | FLORIANO                     | BRAZIL             |
| 10488 | C  | DRESDEN-KLOTZSCHE         | GERMANY            | 82212 | C  | FONTE BOA                    | BRAZIL             |
| 41515 | C  | DROSH                     | PAKISTAN           | 38001 | C  | FORT SHEVCHENKO              | KAZAKHSTAN         |
| 03969 | C  | DUBLIN AIRPORT            | IRELAND            | 10637 | C  | FRANKFURT/M-FLUGHAFEN        | GERMANY            |
| 72745 | C  | DULUTH/INT., MN.          | USA                | 72389 | C  | FRESNO/AIR TERM.,            | USA                |
| 89642 | C  | DUMONT D'URVILLE          | FRANCE             | 60035 | C  | FUERTEVENTURA/AEROPUERTO     | SPAIN              |
| 68588 | CT | DURBAN INTNL. AIRPORT     | SOUTH AFRICA       | 47807 | CT | FUKUOKA                      | JAPAN              |
| 42731 | C  | DWARKA                    | INDIA              | 08522 | CT | FUNCHAL                      | MADEIRA            |
| 03091 | C  | DYCE                      | U KINGDOM          | 60765 | C  | GABES                        | TUNISIA            |
| 24143 | C  | DZARDZAN                  | RUSSIAN FEDERATION | 60745 | C  | GAFSA                        | TUNISIA            |
| 68858 | C  | EAST LONDON               | SOUTH AFRICA       | 65557 | C  | GAGNOA                       | COTE D'IVOIRE      |
| 17050 | C  | EDIRNE                    | TURKEY             | 15310 | C  | GALATI                       | ROMANIA            |

# STATION LIST RECENT DATA

|       |    |                             |                     |       |    |                              |                    |
|-------|----|-----------------------------|---------------------|-------|----|------------------------------|--------------------|
| 47105 | C  | GANGNEUNG                   | REP KOREA           | 59758 | C  | HAIKOU                       | CHINA              |
| 65522 | C  | GAOUA                       | BURKINA FASO        | 17285 | C  | HAKKARI                      | TURKEY             |
| 64860 | C  | GAROUA                      | CAMEROON            | 71081 | T  | HALL BEACH UA, NU            | CANADA             |
| 40405 | C  | GASSIM                      | SAUDI ARABIA        | 43497 | C  | HAMBANTOTA                   | SRI LANKA          |
| 61099 | C  | GAYA                        | NIGER               | 10338 | C  | HANNOVER                     | GERMANY            |
| 62752 | C  | GEDAREF                     | SUDAN               | 02196 | C  | HAPARANDA                    | SWEDEN             |
| 10628 | C  | GEISENHEIM                  | GERMANY             | 72508 | C  | HARTFORD/BRADLEY INTNL., CT. | USA                |
| 06700 | C  | GENEVE-COINTRIN             | SWITZERLAND & LIECH | 60563 | C  | HASSIR'MEL                   | ALGERIA            |
| 68828 | C  | GEORGE AIRPORT              | SOUTH AFRICA        | 20891 | CT | HATANGA                      | RUSSIAN FEDERATION |
| 10567 | C  | GERA-LEUMNITZ               | GERMANY             | 02974 | C  | HELSINKI-VANTAA              | FINLAND            |
| 60566 | C  | GHARDAIA                    | ALGERIA             | 16754 | C  | HERAKLION (AIRPORT)          | GREECE             |
| 40296 | C  | GHOR SAFI                   | JORDAN              | 60001 | C  | HIERRO/AEROPUERTO            | SPAIN              |
| 08495 | CT | GIBRALTAR                   | GIBRALTAR           | 71066 | C  | HIGH LEVEL A, ALTA           | CANADA             |
| 94461 | CT | GILES METEOROLOGICAL OFFICE | AUSTRALIA           | 91753 | C  | HIHIFO (ILE WALLIS)          | DETACHED ISLANDS   |
| 17034 | C  | GIRESUN                     | TURKEY              | 91285 | CT | HILO/GEN. LYMAN, HAWAII, HAW | USA D ISLANDS      |
| 93292 | C  | GISBORNE AERODROME AWS      | N ZEALAND           | 98755 | C  | HINATUAN                     | PHILIPPINES        |
| 41140 | C  | GIZAN                       | SAUDI ARABIA        | 94975 | CT | HOBART AIRPORT               | AUSTRALIA          |
| 72768 | C  | GLASGOW/INT., MT.           | USA                 | 10685 | C  | HOF                          | GERMANY            |
| 83264 | C  | GLEBA CELESTE               | BRAZIL              | 10962 | C  | HOHENPEISSENBERG             | GERMANY            |
| 20292 | C  | GMO IM.E.K. FEDOROVA        | RUSSIAN FEDERATION  | 93615 | C  | HOKITIKA AERODROME AWS       | N ZEALAND          |
| 43192 | CT | GOA/PANJIM                  | INDIA               | 70341 | C  | HOMER/MUNICIPAL              | USA                |
| 87880 | C  | GOBERNADOR GREGORES AERO    | ARGENTINA           | 91182 | C  | HONOLULU, OAHU, HAWAII       | USA                |
| 10499 | C  | GOERLITZ                    | GERMANY             | 68112 | C  | HOSEA KUTAKO INT'L AIRPORT   | NAMIBIA            |
| 83423 | C  | GOIANIA                     | BRAZIL              | 51828 | C  | HOTAN                        | CHINA              |
| 63331 | C  | GONDAR                      | ETHIOPIA            | 72243 | C  | HOUSTON/INTERCONTINENTAL, TX | USA                |
| 71816 | CT | GOOSE A, NFLD               | CANADA              | 44218 | C  | HOVD                         | MONGOLIA           |
| 71733 | CT | GORE BAY A, ONT             | CANADA              | 08383 | C  | HUELVA                       | SPAIN              |
| 47185 | T  | GOSAN                       | REP KOREA           | 44285 | C  | HUJIRT                       | MONGOLIA           |
| 02512 | C  | GOTEBORG/SAVE               | SWEDEN              | 72425 | C  | HUNTINGTON, WV.              | USA                |
| 68906 | CT | GOUGH ISLAND                | SOUTH AFRICA        | 03862 | C  | HURN                         | U KINGDOM          |
| 94150 | CT | GOVE AIRPORT                | AUSTRALIA           | 44232 | C  | HUTAG                        | MONGOLIA           |
| 08419 | C  | GRANADA/AEROPUERTO          | SPAIN               | 43128 | CT | HYDERABAD AIRPORT            | INDIA              |
| 72645 | C  | GREEN BAY/A.-STRAUBEL, WI.  | USA                 | 47016 | C  | HYESAN                       | DPR KOREA          |
| 68014 | C  | GROOTFONTEIN                | NAMIBIA             | 15090 | C  | IASI                         | ROMANIA            |
| 76577 | C  | GUANAJUATO, GTO.            | MEXICO              | 80214 | C  | IBAGUE/PERALES               | COLOMBIA           |
| 60403 | C  | GUELMA                      | ALGERIA             | 08373 | C  | IBIZA/ES CODOLA              | SPAIN              |
| 80423 | C  | GUIRIA                      | VENEZUELA           | 87097 | C  | IGUAZU AERO                  | ARGENTINA          |
| 02128 | C  | GUNNARN                     | SWEDEN              | 25248 | C  | ILIRNEJ                      | RUSSIAN FEDERATION |
| 40360 | C  | GURIAT                      | SAUDI ARABIA        | 60640 | C  | ILLIZI                       | ALGERIA            |
| 42410 | CT | GUWAHATI                    | INDIA               | 98637 | C  | ILOILO                       | PHILIPPINES        |
| 47158 | T  | GWANGJU AB                  | REP KOREA           | 31416 | C  | IM POLINY OSIPENKO           | RUSSIAN FEDERATION |
| 40250 | C  | H-4 'IRWAISHED'             | JORDAN              | 64459 | C  | IMP FONDO                    | CONGO              |
| 47678 | CT | HACHIJOJIMA                 | JAPAN               | 60690 | C  | IN-GUEZZAM                   | ALGERIA            |
| 47069 | C  | HAEJU                       | DPR KOREA           | 42754 | C  | INDORE                       | INDIA              |

# STATION LIST RECENT DATA

|       |    |                              |                     |       |    |                              |                     |
|-------|----|------------------------------|---------------------|-------|----|------------------------------|---------------------|
| 11120 | C  | INNSBRUCK-FLUGHAFEN          | AUSTRIA             | 87548 | C  | JUNIN AERO                   | ARGENTINA           |
| 72747 | CT | INT.FALLS/FALLS INT. MN.     | USA                 | 32150 | CT | JUZHNO-SAHALINSK             | RUSSIAN FEDERATION  |
| 71907 | CT | INUKJUAK A UA, QUE           | CANADA              | 02935 | CT | JYVASKYLA                    | FINLAND             |
| 93844 | CT | INVERCARGILL AERODROME       | N ZEALAND           | 40417 | C  | K.F.I.A. (KING FAHAD INT. AI | SAUDI ARABIA        |
| 80370 | C  | IPIALES/SAN LUIS             | COLOMBIA            | 62810 | C  | KADOGLLI                     | SUDAN               |
| 71909 | T  | IQUALUIT UA, NU              | CANADA              | 61492 | C  | KAEDI                        | MAURITANIA          |
| 84377 | C  | IQUITOS                      | PERU                | 47827 | CT | KAGOSHIMA                    | JAPAN               |
| 83836 | C  | IRATI                        | BRAZIL              | 17255 | C  | KAHRAMANMARAS                | TURKEY              |
| 30710 | C  | IRKUTSK                      | RUSSIAN FEDERATION  | 93678 | C  | KAIKOURA                     | N ZEALAND           |
| 71074 | C  | ISACHSEN (AUT), NU           | CANADA              | 02897 | C  | KAJAANI                      | FINLAND             |
| 28573 | C  | ISHIM                        | RUSSIAN FEDERATION  | 16726 | C  | KALAMATA (AIRPORT)           | GREECE              |
| 85469 | CT | ISLA DE PASCUA               | CHILE               | 25744 | C  | KAMENSKOE                    | RUSSIAN FEDERATION  |
| 17240 | CT | ISPARTA                      | TURKEY              | 47605 | C  | KANAZAWA                     | JAPAN               |
| 17062 | CT | ISTANBUL/GOZTEPE             | TURKEY              | 61679 | C  | KAOLACK                      | SENEGAL             |
| 82336 | C  | ITACOATIARA                  | BRAZIL              | 35394 | C  | KARAGANDA                    | KAZAKHSTAN          |
| 04339 | C  | ITTOQQORTOORMIIT (SCORESBYSU | GREENLAND           | 17074 | C  | KASTAMONU                    | TURKEY              |
| 10142 | C  | ITZEHOE                      | GERMANY             | 26629 | C  | KAUNAS                       | LITHUANIA           |
| 60010 | C  | IZANA                        | SPAIN               | 27595 | C  | KAZAN'                       | RUSSIAN FEDERATION  |
| 17220 | CT | IZMIR/GUZELYALI              | TURKEY              | 61699 | C  | KEDOUGOU                     | SENEGAL             |
| 47800 | CT | IZUHARA                      | JAPAN               | 68312 | C  | KEETMANSHOOP                 | NAMIBIA             |
| 87305 | C  | JACHAL                       | ARGENTINA           | 04018 | CT | KEFLAVIKURFLUGVOLLUR         | ICELAND             |
| 08417 | C  | JAEN                         | SPAIN               | 10946 | C  | KEMPTEN                      | GERMANY             |
| 43041 | C  | JAGDALPUR                    | INDIA               | 60120 | C  | KENITRA                      | MOROCCO             |
| 96745 | C  | JAKARTA/OBSERVATORY          | INDONESIA           | 16641 | C  | KERKYRA (AIRPORT)            | GREECE              |
| 76687 | C  | JALAPA, VER.                 | MEXICO              | 02805 | C  | KEVO                         | FINLAND             |
| 01001 | CT | JAN MAYEN                    | NORWAY              | 72201 | C  | KEY WEST/INT., FL            | USA                 |
| 41024 | CT | JEDDAH (KING ABDUL AZIZ INT. | SAUDI ARABIA        | 41114 | C  | KHAMIS MUSHAIT               | SAUDI ARABIA        |
| 47184 | C  | JEJU                         | REP KOREA           | 60476 | C  | KHENCHELLA                   | ALGERIA             |
| 60725 | C  | JENDOUBA                     | TUNISIA             | 41744 | C  | KHUZDAR                      | PAKISTAN            |
| 08451 | C  | JEREZ DE LA FRONTERA AEROPUE | SPAIN               | 33345 | CT | KIEV                         | UKRAINE             |
| 41598 | C  | JHELMUM                      | PAKISTAN            | 61498 | C  | KIFFA                        | MAURITANIA          |
| 60351 | C  | JIJEL-ACHOUAT                | ALGERIA             | 64387 | C  | KIGALI                       | RWANDA              |
| 63402 | C  | JIMMA                        | ETHIOPIA            | 02801 | C  | KILPISJARVI                  | FINLAND             |
| 52533 | C  | JIUQUAN                      | CHINA               | 47025 | C  | KIMCHAEK                     | DPR KOREA           |
| 41756 | C  | JIWANI                       | PAKISTAN            | 03066 | C  | KINLOSS                      | U KINGDOM           |
| 42339 | CT | JODHPUR                      | INDIA               | 30230 | T  | KIRENSK                      | RUSSIAN FEDERATION  |
| 02929 | C  | JOENSUU                      | FINLAND             | 24606 | C  | KISLOKAN                     | RUSSIAN FEDERATION  |
| 68368 | C  | JOHANNESBURG INTNL. AIRPORT  | SOUTH AFRICA        | 11231 | C  | KLAGENFURT-FLUGHAFEN         | AUSTRIA             |
| 02963 | CT | JOKIOINEN                    | FINLAND             | 32389 | C  | KLJUCHI                      | RUSSIAN FEDERATION  |
| 02550 | C  | JONKOPING/AXAMO              | SWEDEN              | 72326 | C  | KNOXVILLE/MUN., TN.          | USA                 |
| 85585 | C  | JUAN FERNANDEZ               | CHILE               | 11487 | C  | KOCELOVICE                   | CZECH REP           |
| 62941 | C  | JUBA                         | SUDAN               | 06186 | C  | KOEBENHAVN/LANDBOHOEJSKOLEN  | DENMARK AND FAROE I |
| 87046 | C  | JUJUY AERO                   | ARGENTINA           | 29231 | CT | KOLPASEVO                    | RUSSIAN FEDERATION  |
| 78866 | CT | JULIANA AIRPORT,             | NETHERLANDS ANTILLE | 10929 | C  | KONSTANZ                     | GERMANY             |

# STATION LIST RECENT DATA

|       |    |                              |                    |       |    |                               |                     |
|-------|----|------------------------------|--------------------|-------|----|-------------------------------|---------------------|
| 25954 | CT | KORF                         | RUSSIAN FEDERATION | 91165 | C  | LIHUE, KAUAI, HAWAII          | USA EP              |
| 28952 | C  | KOSTANAY                     | KAZAKHSTAN         | 07015 | C  | LILLE                         | FRANCE              |
| 42452 | C  | KOTA AERODROME               | INDIA              | 07434 | C  | LIMOGES                       | FRANCE              |
| 91577 | C  | KOUMAC (NLE-CALEDONIE)       | N CALEDONIA        | 10393 | CT | LINDENBERG                    | GERMANY             |
| 45004 | CT | KOWLOON                      | HONG KONG, CHINA   | 08579 | T  | LISBOA/GAGO COUTINHO          | PORTUGAL            |
| 43314 | C  | KOZHIKODE                    | INDIA              | 72340 | C  | LITTLE ROCK/ADAMS FLD,        | USA                 |
| 12566 | C  | KRAKOW                       | POLAND             | 08084 | C  | LOGRONO/AGONCILLO             | SPAIN               |
| 60514 | C  | KSAR CHELLALA                | ALGERIA            | 83766 | C  | LONDRINA                      | BRAZIL              |
| 48647 | C  | KUALA LUMPUR/SUBANG          | MALAYSIA           | 94995 | CT | LORD HOWE ISLAND AERO         | AUSTRALIA           |
| 96413 | CT | KUCHING                      | MALAYSIA           | 72295 | C  | LOS ANGELES /INT.,            | USA                 |
| 65442 | C  | KUMASI                       | GHANA              | 72423 | C  | LOUISVILLE/STANDIFORD, KY.    | USA                 |
| 56778 | CT | KUNMING                      | CHINA              | 95964 | C  | LOW HEAD                      | AUSTRALIA           |
| 15730 | C  | KURDJALI                     | BULGARIA           | 48930 | C  | LUANG-PRABANG                 | LAO PDR             |
| 47418 | C  | KUSHIRO                      | JAPAN              | 72267 | C  | LUBBOCK/LUBBOCK INTERNATIONAL | USA                 |
| 37395 | C  | KUTAI                        | GEORGIA            | 42369 | T  | LUCKNOW/AMAUSI                | INDIA               |
| 71906 | CT | KUUJUAQ A, QUE               | CANADA             | 06770 | C  | LUGANO                        | SWITZERLAND & LIECH |
| 91366 | C  | KWAJALEIN/BUCHOLZ AAF, MARSH | USA                | 16597 | C  | LUQA                          | MALTA               |
| 33393 | C  | L'VIV                        | UKRAINE            | 06590 | C  | LUXEMBOURG/LUXEMBOURG         | LUXEMBOURG          |
| 08001 | CT | LA CORUNA                    | SPAIN              | 03740 | C  | LYNEHAM                       | U KINGDOM           |
| 87534 | C  | LABOULAYE AERO               | ARGENTINA          | 64452 | C  | M'POUYA                       | CONGO               |
| 60545 | C  | LAGHOUAT                     | ALGERIA            | 60467 | C  | M'SILA                        | ALGERIA             |
| 41640 | C  | LAHORE CITY                  | PAKISTAN           | 40310 | C  | MA'AN                         | JORDAN              |
| 72240 | C  | LAKE CHARLES/MUN.,           | USA                | 44294 | C  | MAANTI                        | MONGOLIA            |
| 91555 | C  | LAMAP (MALEKULA)             | VANUATU            | 43185 | C  | MACHILIPATNAM/FRANCHPET       | INDIA               |
| 60040 | C  | LANZAROTE/AEROPUERTO         | SPAIN              | 08221 | CT | MADRID/BARAJAS                | SPAIN               |
| 98223 | C  | LAOAG                        | PHILIPPINES        | 47624 | C  | MAEBASHI                      | JAPAN               |
| 16648 | C  | LARISSA (AIRPORT)            | GREECE             | 40265 | CT | MAFRAQ                        | JORDAN              |
| 87563 | C  | LAS FLORES                   | ARGENTINA          | 10361 | C  | MAGDEBURG                     | GERMANY             |
| 94968 | C  | LAUNCESTON AIRPORT COMPARISO | AUSTRALIA          | 47750 | C  | MAIZURU                       | JAPAN               |
| 94865 | C  | LAVERTON RAAF                | AUSTRALIA          | 91376 | C  | MAJUORO/MARSHALL IS. INTNL.   | USA                 |
| 07471 | C  | LE PUY                       | FRANCE             | 41030 | C  | MAKKAH                        | SAUDI ARABIA        |
| 94302 | CT | LEARMONTH AIRPORT            | AUSTRALIA          | 08482 | C  | MALAGA/AEROPUERTO             | SPAIN               |
| 12120 | CT | LEBA                         | POLAND             | 78741 | C  | MANAGUA A.C.SANDINO           | NICARAGUA           |
| 03257 | C  | LEEMING                      | U KINGDOM          | 87774 | C  | MAQUINCHAO                    | ARGENTINA           |
| 12374 | T  | LEGIONOWO                    | POLAND             | 80407 | C  | MARACAIBO-LA CHINITA          | VENEZUELA           |
| 10449 | C  | LEINEFELDE                   | GERMANY            | 40745 | CT | MASHHAD                       | IRAN, ISLAMIC REP   |
| 83242 | C  | LENCOIS                      | BRAZIL             | 61630 | C  | MATAM                         | SENEGAL             |
| 08055 | C  | LEON/VIRGEN DEL CAMINO       | SPAIN              | 89564 | CT | MAWSON                        | AUSTRALIA           |
| 08171 | C  | LERIDA                       | SPAIN              | 70231 | C  | MCGRATH, AK                   | USA                 |
| 80398 | C  | LETICIA/VASQUEZ COBO         | COLOMBIA           | 60549 | C  | MECHERIA                      | ALGERIA             |
| 28064 | C  | LEUSI                        | RUSSIAN FEDERATION | 60437 | C  | MEDEA                         | ALGERIA             |
| 72422 | C  | LEXINGTON/BLUE GRASS, KY.    | USA                | 94430 | C  | MEEKATHARRA AIRPORT           | AUSTRALIA           |
| 55591 | CT | LHASA                        | CHINA              | 10548 | CT | MEININGEN                     | GERMANY             |
| 11603 | C  | LIBEREC                      | CZECH REP          | 60150 | C  | MEKNES                        | MOROCCO             |

# STATION LIST RECENT DATA

|       |    |                              |                    |       |    |                      |                    |
|-------|----|------------------------------|--------------------|-------|----|----------------------|--------------------|
| 60338 | C  | MELILLA                      | SPAIN              | 64700 | CT | NDJAMENA             | CHAD               |
| 97014 | CT | MENADO/ SAM RATULANGI        | INDONESIA          | 80315 | C  | NEIVA/BENITO SALAS   | COLOMBIA           |
| 17340 | C  | MERSIN                       | TURKEY             | 47420 | CT | NEMURO               | JAPAN              |
| 16420 | C  | MESSINA                      | ITALY              | 10557 | C  | NEUHAUS A.R.         | GERMANY            |
| 60195 | C  | MIDELT                       | MOROCCO            | 42182 | CT | NEW DELHI/SAFDARJUNG | INDIA              |
| 16080 | T  | MILANO/LINATE                | ITALY              | 64870 | C  | NGAOUNDERE           | CAMEROON           |
| 26850 | C  | MINSK                        | BELARUS            | 61052 | CT | NIAMEY-AERO          | NIGER              |
| 89592 | CT | MIRNYJ                       | USSR               | 07690 | C  | NICE                 | FRANCE             |
| 72773 | C  | MISSOULA / JOHNSON-BELL FIEL | USA                | 17250 | C  | NIGDE                | TURKEY             |
| 47585 | C  | MIYAKO                       | JAPAN              | 02942 | C  | NIINISALO            | FINLAND            |
| 68242 | C  | MMABATHO                     | SOUTH AFRICA       | 31369 | C  | NIKOLAEVSK-NA-AMURE  | RUSSIAN FEDERATION |
| 72223 | C  | MOBILE/BATES FIELD,          | USA                | 07645 | T  | NIMES-COURBESSAC     | FRANCE             |
| 30673 | C  | MOGOCHA                      | RUSSIAN FEDERATION | 23724 | C  | NJAKSIMVOL'          | RUSSIAN FEDERATION |
| 47165 | C  | MOKPO                        | REP KOREA          | 41710 | C  | NOKKUNDI             | PAKISTAN           |
| 72544 | C  | MOLINE/QUAD CITY,            | USA                | 70200 | CT | NOME, AK             | USA                |
| 07560 | C  | MONT AIGOUAL                 | FRANCE             | 10113 | C  | NORDERNEY            | GERMANY            |
| 71836 | T  | MOOSONEE UA, ONT             | CANADA             | 61415 | C  | NOUADHIBOU           | MAURITANIA         |
| 76665 | C  | MORELIA, MICH.               | MEXICO             | 89512 | CT | NOVOLAZAREVSKAJA     | USSR               |
| 27612 | CT | MOSKVA                       | RUSSIAN FEDERATION | 10506 | C  | NUERBURG-BARWEILER   | GERMANY            |
| 94821 | CT | MOUNT GAMBIER AERO           | AUSTRALIA          | 04250 | C  | NUUK (GODTHAAB)      | GREENLAND          |
| 63971 | C  | MTWARA                       | U REP TANZANIA     | 43473 | C  | NUWARA ELIYA         | SRI LANKA          |
| 10868 | T  | MUENCHEN-OBERSCHLEIBSHEIM    | GERMANY            | 62790 | C  | NYALA                | SUDAN              |
| 17292 | C  | MUGLA                        | TURKEY             | 33837 | C  | ODESA                | UKRAINE            |
| 42147 | C  | MUKTESHWAR KUMAON            | INDIA              | 31088 | CT | OHOTSK               | RUSSIAN FEDERATION |
| 41675 | C  | MULTAN                       | PAKISTAN           | 47815 | C  | OITA                 | JAPAN              |
| 08430 | CT | MURCIA                       | SPAIN              | 24688 | C  | OJMJAKON             | RUSSIAN FEDERATION |
| 72636 | C  | MUSKEGON/COUNTY, MI.         | USA                | 23734 | C  | OKTJABR'SKOE         | RUSSIAN FEDERATION |
| 63756 | C  | MWANZA                       | U REP TANZANIA     | 24125 | CT | OLENEK               | RUSSIAN FEDERATION |
| 25173 | C  | MYS SHMIDTA                  | RUSSIAN FEDERATION | 72792 | C  | OLYMPIA, WA.         | USA                |
| 61049 | C  | N'GUIGMI                     | NIGER              | 47655 | C  | OMAEZAKI             | JAPAN              |
| 60557 | C  | NAAMA                        | ALGERIA            | 44215 | C  | OMNO-GOBI            | MONGOLIA           |
| 91680 | CT | NADI AIRPORT                 | FIJI               | 28698 | CT | OMSK                 | RUSSIAN FEDERATION |
| 47636 | C  | NAGOYA                       | JAPAN              | 47598 | C  | ONAHAMA              | JAPAN              |
| 47936 | CT | NAHA                         | JAPAN              | 94476 | C  | ODNADATTA AIRPORT    | AUSTRALIA          |
| 41128 | C  | NAJRAN                       | SAUDI ARABIA       | 60461 | C  | ORAN-PORT            | ALGERIA            |
| 48400 | C  | NAKHON SAWAN                 | THAILAND           | 35121 | T  | ORENBURG             | RUSSIAN FEDERATION |
| 58606 | C  | NANCHANG                     | CHINA              | 01241 | CT | ORLAND III           | NORWAY             |
| 23205 | CT | NAR'JAN-MAR                  | RUSSIAN FEDERATION | 40712 | C  | ORUMIEH              | IRAN, ISLAMIC REP  |
| 72327 | CT | NASHVILLE/METROPOLITAN, TN.  | USA                | 47122 | T  | OSAN AB              | REP KOREA          |
| 65319 | C  | NATITINGOU                   | BENIN              | 10480 | C  | OSCHATZ              | GERMANY            |
| 91683 | C  | NAUSORI                      | FIJI               | 47675 | C  | OSHIMA               | JAPAN              |
| 08215 | C  | NAVACERRADA                  | SPAIN              | 01384 | C  | OSLO/GARDERMOEN      | NORWAY             |
| 41749 | C  | NAWABSHAH                    | PAKISTAN           | 02226 | C  | OSTERSUND FROSON     | SWEDEN             |
| 47909 | CT | NAZE                         | JAPAN              | 65502 | C  | OUAHIGOUYA           | BURKINA FASO       |



# STATION LIST RECENT DATA

|       |    |                              |                     |       |    |                              |                     |
|-------|----|------------------------------|---------------------|-------|----|------------------------------|---------------------|
| 64458 | C  | OUESSO                       | CONGO               | 80421 | C  | PORLAMAR (AEROPUERTO INT. DE | VENEZUELA           |
| 60115 | C  | OUIDA                        | MOROCCO             | 83332 | C  | POSSE                        | BRAZIL              |
| 02875 | C  | OULU                         | FINLAND             | 10379 | C  | POTSDAM                      | GERMANY             |
| 60421 | C  | OUM EL BOUAGHI               | ALGERIA             | 12330 | C  | POZNAN                       | POLAND              |
| 08015 | C  | OVIEDO                       | SPAIN               | 11520 | CT | PRAHA-LIBUS                  | CZECH REP           |
| 47663 | C  | OWASE                        | JAPAN               | 31989 | C  | PREOBRAZHENIE                | RUSSIAN FEDERATION  |
| 22619 | C  | PADANY                       | RUSSIAN FEDERATION  | 11659 | C  | PRIBYSLAV                    | CZECH REP           |
| 91765 | CT | PAGO PAGO/INT.AIRP.          | SAMOA AND AMERICAN  | 72507 | C  | PROVIDENCE/GREEN STATE, RI.  | USA                 |
| 48955 | C  | PAKSE                        | LAO PDR             | 84515 | C  | PUCALLPA                     | PERU                |
| 08301 | C  | PALMA DE MALLORCA            | SPAIN               | 85574 | C  | PUDAHUEL                     | CHILE               |
| 08085 | C  | PAMPLONA/NOAIN               | SPAIN               | 76855 | C  | PUERTO ANGEL, OAX.           | MEXICO              |
| 41739 | C  | PANJGUR                      | PAKISTAN            | 43063 | C  | PUNE                         | INDIA               |
| 41560 | C  | PARACHINAR                   | PAKISTAN            | 47058 | CT | PYONGYANG                    | DPR KOREA           |
| 37432 | C  | PASANAURI                    | GEORGIA             | 56137 | C  | QAMDO                        | CHINA               |
| 42492 | T  | PATNA                        | INDIA               | 54857 | C  | QINGDAO                      | CHINA               |
| 06610 | T  | PAYERNE                      | SWITZERLAND & LIECH | 50745 | C  | QIQIHAR                      | CHINA               |
| 12942 | C  | PECS/POGANY                  | HUNGARY             | 41660 | C  | QUETTA AIRPORT               | PAKISTAN            |
| 86097 | C  | PEDRO JUAN CABALLERO         | PARAGUAY            | 72797 | C  | QUILLAYUTE, WA.              | USA                 |
| 87544 | C  | PEHUAJO AERO                 | ARGENTINA           | 60135 | C  | RABAT-SALE                   | MOROCCO             |
| 96109 | C  | PEKAN BARU/SIMPANGTIGA       | INDONESIA           | 40362 | C  | RAFHA                        | SAUDI ARABIA        |
| 48601 | CT | PENANG/BAYAN LEPAS           | MALAYSIA            | 72306 | C  | RALEIGH/RALEIGH-DURHAM, NC.  | USA                 |
| 72532 | C  | PEORIA/GREATER PEORIA MUN.,  | USA                 | 93994 | C  | RAOUL ISLAND, KERMADEC IS. A | N ZEALAND           |
| 07747 | C  | PERPIGNAN                    | FRANCE              | 72662 | CT | RAPID CITY/REGIONAL AIRPORT, | USA                 |
| 41530 | C  | PESHAWAR                     | PAKISTAN            | 82900 | CT | RECIFE                       | BRAZIL              |
| 82983 | C  | PETROLINA                    | BRAZIL              | 07070 | C  | REIMS                        | FRANCE              |
| 48378 | C  | PHITSANULOK                  | THAILAND            | 07130 | C  | RENNES                       | FRANCE              |
| 72278 | C  | PHOENIX/SKY HARBOR,          | USA                 | 87155 | CT | RESISTENCIA AERO             | ARGENTINA           |
| 78970 | CT | PIARCO INT. AIRPORT,         | TRINIDAD AND TOBAGO | 08175 | C  | REUS/AEROPUERTO              | SPAIN               |
| 76243 | C  | PIEDRAS NEGRAS, COAH.        | MEXICO              | 04030 | C  | REYKJAVIK                    | ICELAND             |
| 86255 | C  | PILAR                        | PARAGUAY            | 85043 | C  | RIBERALTA                    | BOLIVIA             |
| 33019 | C  | PINSK                        | BELARUS             | 72401 | C  | RICHMOND/BYRD, VA.           | USA                 |
| 16158 | C  | PISA/S. GIUSTO               | ITALY               | 91948 | C  | RIKITEA                      | FRENCH POLY.        |
| 72520 | CT | PITTSBURGH/GREATER PITTSBURG | USA                 | 44203 | C  | RINCHINLHUMBE                | MONGOLIA            |
| 84401 | C  | PIURA                        | PERU                | 82915 | C  | RIO BRANCO                   | BRAZIL              |
| 61990 | C  | PLAISANCE (MAURITIUS)        | MAURITIUS           | 40438 | C  | RIYADH OBS. (O.A.P.)         | SAUDI ARABIA        |
| 07117 | C  | PLOUMANACH PERROS GUIREC     | FRANCE              | 72411 | C  | ROANOKE/MUN., VA.            | USA                 |
| 65518 | C  | PO                           | BURKINA FASO        | 85268 | C  | ROBORE                       | BOLIVIA             |
| 72578 | C  | POCATELLO/MUN., ID.          | USA                 | 81405 | C  | ROCHAMBEAU                   | FRENCH GUIANA       |
| 13463 | C  | PODGORICA-GRAD               | SERBIA AND MONTENEG | 61988 | C  | RODRIGUES                    | MAURITIUS           |
| 32076 | C  | POGRANICHNOE                 | RUSSIAN FEDERATION  | 06190 | C  | ROENNE                       | DENMARK AND FAROE I |
| 47138 | CT | POHANG                       | REP KOREA           | 03957 | C  | ROSSLARE                     | IRELAND             |
| 07207 | C  | POINTE DU TALUT              | FRANCE              | 89062 | C  | ROTHERA                      | U KINGDOM           |
| 08053 | C  | PONFERRADA                   | SPAIN               | 07037 | C  | ROUEN                        | FRANCE              |
| 11934 | C  | POPRAD/TATRY                 | SLOVAKIA            | 51777 | C  | RUOQIANG                     | CHINA               |

# STATION LIST RECENT DATA

|       |    |                              |                     |       |    |                              |                    |
|-------|----|------------------------------|---------------------|-------|----|------------------------------|--------------------|
| 85141 | C  | RURRENABAQUE                 | BOLIVIA             | 71069 | C  | SLAVE LAKE A, ALTA           | CANADA             |
| 28966 | C  | RUZAEVKA                     | KAZAKHSTAN          | 11903 | C  | SLIAC                        | SLOVAKIA           |
| 71600 | C  | SABLE ISLAND, NS             | CANADA              | 71950 | C  | SMITHERS A, BC               | CANADA             |
| 72483 | C  | SACRAMENTO/EXECUTIVE CA.     | USA                 | 26781 | C  | SMOLENSK                     | RUSSIAN FEDERATION |
| 06680 | C  | SAENTIS                      | SWITZERLAND & LIECH | 76845 | C  | SN. CRISTOBAL LAS CASAS, CHI | MEXICO             |
| 42671 | C  | SAGAR                        | INDIA               | 32477 | C  | SOBOLEVO                     | RUSSIAN FEDERATION |
| 44336 | C  | SAIKHAN-OVOO                 | MONGOLIA            | 02836 | CT | SODANKYLA                    | FINLAND            |
| 41316 | CT | SALALAH                      | OMAN                | 15614 | CT | SOFIA (OBSERV.)              | BULGARIA           |
| 17030 | CT | SAMSUN                       | TURKEY              | 91551 | C  | SOLA (VANUA LAVA)            | VANUATU            |
| 80001 | CT | SAN ANDRES (ISLA)/SESQUICENT | COLOMBIA            | 48568 | CT | SONGKHLA                     | THAILAND           |
| 82106 | C  | SAO GABRIEL DA CACHOEIRA     | BRAZIL              | 08148 | C  | SORIA                        | SPAIN              |
| 47412 | CT | SAPPORO                      | JAPAN               | 16746 | C  | SOUDA (AIRPORT)              | GREECE             |
| 41594 | C  | SARGODHA                     | PAKISTAN            | 72785 | C  | SPOKANE/INT., WA.            | USA                |
| 21802 | C  | SASKYLAH                     | RUSSIAN FEDERATION  | 68512 | CT | SPRINGBOK                    | SOUTH AFRICA       |
| 97900 | C  | SAUMLAKI/OLILIT              | INDONESIA           | 42027 | CT | SRINAGAR                     | INDIA              |
| 48947 | C  | SAVANNAKHET                  | LAO PDR             | 10028 | C  | ST PETER-ORDING              | GERMANY            |
| 48938 | C  | SAYABOURY                    | LAO PDR             | 61901 | CT | ST. HELENA IS.               | OCEAN ISLANDS      |
| 10035 | CT | SCHLESWIG                    | GERMANY             | 01415 | CT | STAVANGER/SOLA               | NORWAY             |
| 72793 | C  | SEATTLE/S.-TACOMA,           | USA                 | 02485 | C  | STOCKHOLM                    | SWEDEN             |
| 41256 | CT | SEEB, INT'L AIRPORT          | OMAN                | 07190 | C  | STRASBOURG-ENTZHEIM          | FRANCE             |
| 25703 | T  | SEJMCHAN                     | RUSSIAN FEDERATION  | 10738 | C  | STUTTGART-ECHTERDINGEN       | GERMANY            |
| 36177 | C  | SEMIPALATINSK                | KAZAKHSTAN          | 85283 | C  | SUCRE                        | BOLIVIA            |
| 47590 | CT | SENDAI                       | JAPAN               | 27707 | C  | SUHINICHI                    | RUSSIAN FEDERATION |
| 47108 | C  | SEOUL                        | REP KOREA           | 15360 | C  | SULINA                       | ROMANIA            |
| 71811 | T  | SEPT-ILES UA, QUE            | CANADA              | 97260 | C  | SUMBAWA BESAR/BRANGBIJI      | INDONESIA          |
| 61976 | C  | SERGE-FROLOW (ILE TROMELIN)  | OCEAN ISLANDS       | 24738 | C  | SUNTAR                       | RUSSIAN FEDERATION |
| 60445 | C  | SETIF                        | ALGERIA             | 41268 | C  | SUR                          | OMAN               |
| 08391 | C  | SEVILLA/SAN PABLO            | SPAIN               | 47421 | C  | SUTTSU                       | JAPAN              |
| 63985 | T  | SEYCHELLES INTER. AIRPORT (R | SEYCHELLES          | 01008 | C  | SVALBARD LUFTHAVN            | NORWAY             |
| 03962 | C  | SHANNON AIRPORT              | IRELAND             | 94767 | C  | SYDNEY AIRPORT AMO           | AUSTRALIA          |
| 24329 | C  | SHELAGONTSY                  | RUSSIAN FEDERATION  | 23804 | T  | SYKTYVKAR                    | RUSSIAN FEDERATION |
| 47778 | CT | SHIONOMISAKI                 | JAPAN               | 89532 | CT | SYOWA                        | JAPAN              |
| 72248 | C  | SHREVEPORT/REG., LA.         | USA                 | 72519 | C  | SYRACUSE/HANCOCK,            | USA                |
| 41600 | C  | SIALKOT                      | PAKISTAN            | 12205 | C  | SZCZECIN                     | POLAND             |
| 15260 | C  | SIBIU                        | ROMANIA             | 12982 | CT | SZEGED                       | HUNGARY            |
| 60520 | C  | SIDI-BEL-ABBES               | ALGERIA             | 63832 | C  | TABORA AIRPORT               | U REP TANZANIA     |
| 17210 | C  | SIIRT                        | TURKEY              | 84782 | C  | TACNA                        | PERU               |
| 42619 | C  | SILCHAR                      | INDIA               | 83235 | C  | TAGUATINGA                   | BRAZIL             |
| 33946 | C  | SIMFEROPOL'                  | UKRAINE             | 61043 | C  | TAHOUA                       | NIGER              |
| 47035 | C  | SINUJU                       | DPR KOREA           | 45011 | C  | TAIPA GRANDE                 | MACAO, CHINA       |
| 71842 | C  | SIOUX LOOKOUT A, ONT         | CANADA              | 47891 | C  | TAKAMATSU                    | JAPAN              |
| 17090 | C  | SIVAS                        | TURKEY              | 70251 | C  | TALKEETNA                    | USA                |
| 62417 | C  | SIWA                         | EGYPT               | 60680 | CT | TAMANRASSET                  | ALGERIA            |
| 60355 | C  | SKIKDA                       | ALGERIA             | 47837 | C  | TANEGASHIMA                  | JAPAN              |

# STATION LIST RECENT DATA

|       |    |                        |                     |       |    |                             |                    |
|-------|----|------------------------|---------------------|-------|----|-----------------------------|--------------------|
| 76903 | C  | TAPACHULA, CHIS        | MEXICO              | 98233 | C  | TUGUEGARAO                  | PHILIPPINES        |
| 07621 | C  | TARBES-OSSUN           | FRANCE              | 76634 | C  | TULANCINGO, HGO.            | MEXICO             |
| 04360 | CT | TASIILAQ (AMMASSALIK)  | GREENLAND           | 80453 | C  | TUMEREMO                    | VENEZUELA          |
| 47646 | T  | TATENO                 | JAPAN               | 60715 | CT | TUNIS-CARTHAGE              | TUNISIA            |
| 96481 | CT | TAWAU                  | MALAYSIA            | 24507 | CT | TURA                        | RUSSIAN FEDERATION |
| 37545 | C  | TBILISI                | GEORGIA             | 76640 | C  | TUXPAN.VER.                 | MEXICO             |
| 60475 | C  | TEBESSA                | ALGERIA             | 48407 | T  | UBON RATCHATHANI            | THAILAND           |
| 85743 | C  | TEMUCO                 | CHILE               | 16044 | T  | UDINE/CAMPOFORMIDO          | ITALY              |
| 60410 | C  | TENES                  | ALGERIA             | 48354 | C  | UDON THANI                  | THAILAND           |
| 83492 | C  | TEOFILO OTONI          | BRAZIL              | 97180 | C  | UJUNG PANDANG/HASANUDDIN    | INDONESIA          |
| 76373 | C  | TEPEHUANES, DGO.       | MEXICO              | 44292 | C  | ULAANBAATAR                 | MONGOLIA           |
| 82578 | C  | TERESINA               | BRAZIL              | 44214 | C  | ULGI                        | MONGOLIA           |
| 94570 | C  | TEWANTIN RSL PARK      | AUSTRALIA           | 44272 | C  | ULIASTAI                    | MONGOLIA           |
| 48946 | C  | THAKHEK                | LAO PDR             | 47115 | C  | ULLEUNGDO                   | REP KOREA          |
| 16622 | C  | THESSALONIKI (AIRPORT) | GREECE              | 44304 | C  | UNDERKHAAN                  | MONGOLIA           |
| 43371 | CT | THIRUVANANTHAPURAM     | INDIA               | 68424 | C  | UPINGTON                    | SOUTH AFRICA       |
| 71079 | C  | THOMPSON               | CANADA              | 47426 | C  | URAKAWA                     | JAPAN              |
| 41314 | C  | THUMRAIT               | OMAN                | 17188 | C  | USAK                        | TURKEY             |
| 60511 | C  | TIARET                 | ALGERIA             | 87938 | C  | USHUAIA AERO                | ARGENTINA          |
| 61450 | C  | TIDJIKJA               | MAURITANIA          | 24966 | C  | UST'-MAJYA                  | RUSSIAN FEDERATION |
| 61036 | C  | TILLABERY              | NIGER               | 03302 | C  | VALLEY                      | U KINGDOM          |
| 60607 | C  | TIMIMOUN               | ALGERIA             | 17170 | C  | VAN                         | TURKEY             |
| 60656 | C  | TINDOUF                | ALGERIA             | 01098 | C  | VARDO                       | NORWAY             |
| 03100 | C  | TIREE                  | U KINGDOM           | 33038 | C  | VASILEVICH                  | BELARUS            |
| 60395 | C  | TIZI-OUZOU             | ALGERIA             | 42909 | C  | VERAVAL                     | INDIA              |
| 76683 | C  | TLAXCALA, TLAX.        | MEXICO              | 72255 | C  | VICTORIA/VICTORIA REGIONAL, | USA                |
| 60531 | C  | TLEMCEN-ZENATA         | ALGERIA             | 15502 | C  | VIDIN                       | BULGARIA           |
| 28275 | C  | TOBOL'SK               | RUSSIAN FEDERATION  | 87791 | C  | VIEDMA AERO                 | ARGENTINA          |
| 31137 | C  | TOKO                   | RUSSIAN FEDERATION  | 08045 | C  | VIGO/PEINADOR               | SPAIN              |
| 08272 | C  | TOLEDO                 | SPAIN               | 24641 | C  | VILJUJSK                    | RUSSIAN FEDERATION |
| 06011 | CT | TORSHAVN               | DENMARK AND FAROE I | 02590 | C  | VISBY                       | SWEDEN             |
| 44225 | C  | TOSONTSENGEL           | MONGOLIA            | 30054 | C  | VITIM                       | RUSSIAN FEDERATION |
| 47746 | CT | TOTTORI                | JAPAN               | 31960 | C  | VLADIVOSTOK                 | RUSSIAN FEDERATION |
| 07630 | C  | TOULOUSE BLAGNAC       | FRANCE              | 27037 | C  | VOLOGDA                     | RUSSIAN FEDERATION |
| 94294 | CT | TOWNSVILLE AERO        | AUSTRALIA           | 34122 | T  | VORONEZ                     | RUSSIAN FEDERATION |
| 16429 | CT | TRAPANI BIRGI          | ITALY               | 89606 | C  | VOSTOK                      | USSR               |
| 87828 | C  | TRELEW AERO            | ARGENTINA           | 22837 | C  | VYTEGRA                     | RUSSIAN FEDERATION |
| 10609 | C  | TRIER-PETRISBERG       | GERMANY             | 72256 | C  | WACO, MADISON-COOPER,       | USA                |
| 01025 | C  | TROMSO/LANGNES         | NORWAY              | 62751 | C  | WAD MEDANI                  | SUDAN              |
| 26997 | C  | TRUBCHEVSK             | RUSSIAN FEDERATION  | 94910 | CT | WAGGA WAGGA AMO             | AUSTRALIA          |
| 44282 | C  | TSETSERLEG             | MONGOLIA            | 47600 | CT | WAJIMA                      | JAPAN              |
| 44347 | C  | TSOGT-OVOO             | MONGOLIA            | 47401 | CT | WAKKANAI                    | JAPAN              |
| 91954 | C  | TUBUAI                 | FRENCH POLY.        | 12375 | C  | WARSZAWA-OKECIE             | POLAND             |
| 72274 | C  | TUCSON/INT., AZ.       | USA                 | 72405 | C  | WASHINGTON/NAT., VA.        | USA                |

# STATION LIST RECENT DATA

|       |    |                              |                     |
|-------|----|------------------------------|---------------------|
| 10688 | C  | WEIDEN                       | GERMANY             |
| 72203 | C  | WEST PALM BEACH/ INT. FL.    | USA                 |
| 71964 | CT | WHITEHORSE A, YT             | CANADA              |
| 72351 | C  | WICHITA FALLS/SHEPS AFB/WICH | USA                 |
| 11035 | CT | WIEN/HOHE WARTE              | AUSTRIA             |
| 72513 | C  | WILKES-BARRE-SCRANTON, PA.   | USA                 |
| 68110 | C  | WINDHOEK                     | NAMIBIA             |
| 12497 | C  | WLODAWA                      | POLAND              |
| 47055 | C  | WONSAN                       | DPR KOREA           |
| 94659 | CT | WOOMERA AERODROME            | AUSTRALIA           |
| 12424 | C  | WROCLAW II                   | POLAND              |
| 51463 | CT | WU LU MU QI                  | CHINA               |
| 57036 | C  | XI'AN                        | CHINA               |
| 56571 | C  | XICHANG                      | CHINA               |
| 85365 | C  | YACUIBA                      | BOLIVIA             |
| 72781 | C  | YAKIMA/YAKIMA AIR TERMINAL,  | USA                 |
| 94589 | C  | YAMBA PILOT STATION          | AUSTRALIA           |
| 54292 | C  | YANJI                        | CHINA               |
| 91413 | C  | YAP, CAROLINE IS.            | USA                 |
| 40439 | C  | YENBO                        | SAUDI ARABIA        |
| 47168 | C  | YEOSU                        | REP KOREA           |
| 57461 | C  | YICHANG                      | CHINA               |
| 53614 | C  | YINCHUAN                     | CHINA               |
| 47744 | T  | YONAGO                       | JAPAN               |
| 72525 | C  | YOUNGSTOWN, OH.              | USA                 |
| 08130 | C  | ZAMORA                       | SPAIN               |
| 81225 | C  | ZANDERIJ                     | SURINAME            |
| 08160 | C  | ZARAGOZA/AEROPUERTO          | SPAIN               |
| 57083 | C  | ZHENGZHOU                    | CHINA               |
| 24343 | C  | ZHIGANSK                     | RUSSIAN FEDERATION  |
| 41620 | C  | ZHOB                         | PAKISTAN            |
| 61695 | C  | ZIGUINCHOR                   | SENEGAL             |
| 10582 | C  | ZINNWALD-GEORGENFELD         | GERMANY             |
| 31829 | C  | ZOLOTOJ                      | RUSSIAN FEDERATION  |
| 17022 | C  | ZONGULDAK                    | TURKEY              |
| 61404 | C  | ZOUERATE                     | MAURITANIA          |
| 06660 | C  | ZUERICH-METEOSCHWEIZ         | SWITZERLAND & LIECH |
| 10961 | C  | ZUGSPITZE                    | GERMANY             |
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## **These and other publications are available from the National Climatic Data Center**

### **Hourly Precipitation Data**

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. HPD includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

### **Climatological Data**

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some Stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

### **Storm Data**

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

### **Monthly Climatic Data for the World**

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

### **Local Climatological Data**

LCD publications summarize temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains 3 hourly weather observations for that month and a hourly summary of precipitation. Annual LCD publications contain a summary of the past calendar year as well as historical averages and extremes.

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