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**AUGUST 2008**

**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."**

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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

# AUGUST 2008

| 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        |           | 1009.9       | 1011.0         | 6.9         | 2.0    | 8.8            | 1.1    | 7             | 42    | -19    | 2        |          |          |
| 01008 SVALBARD LUFTHAVN    | 7815N    | 01528E    | 29        |           | 1006.9       | 1010.2         | 5.0         | .2     | 7.0            | .0     | 5             | 21    | -2     | 4        |          |          |
| 01025 TROMSO/LANGNES       | 6941N    | 01855E    | 10        |           | 1008.7       | 1009.8         | 9.9         | -1.0   | 9.5            | -7     | 9             | 35    | -44    | 1        |          |          |
| 01026 TROMSO               | 6939N    | 01856E    | 115       |           | 995.8        | 1009.6         | 9.9         |        | 9.3            |        | 13            | 45    |        | 1        | 188      | 113      |
| 01028 BJORNOYA             | 7431N    | 01901E    | 16        |           | 1008.8       | 1010.7         | 4.8         | .4     | 7.8            | .0     | 6             | 13    | -23    | 1        |          |          |
| 01098 VARDØ                | 7022N    | 03106E    | 15        |           | 1008.0       | 1009.7         | 8.3         | -8     | 9.3            | -8     | 7             | 46    | -9     | 3        |          |          |
| 01152 BODO VI              | 6716N    | 01422E    | 13        |           | 1007.0       | 1008.5         | 12.4        | .1     | 10.0           | -1.3   | 5             | 23    | -65    | 1        | 240      | 144      |
| 01212 ONA II               | 6252N    | 00632E    | 15        |           | 1005.3       | 1006.9         | 14.7        |        | 13.4           |        | 13            | 85    |        | 2        |          |          |
| 01238 FOKSTUA II           | 6207N    | 00917E    | 974       |           | 896.4        | 1006.6         | 8.9         |        | 8.8            |        | 11            | 73    |        | 4        |          |          |
| 01241 ORLAND III           | 6342N    | 00936E    | 7         |           | 1005.7       | 1006.8         | 14.4        | 1.5    | 12.1           | -3     | 10            | 66    | -20    | 2        |          |          |
| 01317 BERGEN/FLORIDA       | 6023N    | 00520E    | 36        |           | 1004.8       | 1006.2         | 15.5        | 1.1    | 12.4           | .1     | 13            | 166   | -24    | 3        |          |          |
| 01384 OSLO/GARDERMOEN      | 6012N    | 01105E    | 204       |           | 982.8        | 1006.7         | 13.9        | .0     | 13.0           | 1.7    | 19            | 113   | 23     | 4        |          |          |
| 01403 UTSIRA FYR           | 5918N    | 00453E    | 56        |           | 1000.1       | 1006.6         | 15.6        |        | 13.8           |        | 15            | 137   |        | 4        |          |          |
| 01415 STAVANGER/SOLA       | 5853N    | 00538E    | 9         |           | 1005.8       | 1006.8         | 16.1        | 1.7    | 13.8           | .9     | 16            | 130   | 15     | 4        |          |          |
| 01465 TORUNGEN FYR         | 5824N    | 00848E    | 15        |           | 1005.5       | 1006.9         | 16.4        |        | 15.0           |        | 15            | 177   |        | 5        |          |          |
| <b>SWEDEN</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 02080 KARESUANDO           | 6827N    | 02227E    | 331       |           | 969.8        | 1009.3         | 9.5         | -9     | 9.7            | -5     | 8             | 31    | -32    | 2        | 152      | 96       |
| 02120 KVIKKJOKK-ARRENJARKA | 6653N    | 01801E    | 320       |           | 971.4        | 1008.7         | 10.6        |        | 9.7            |        | 11            | 55    |        | 2        |          |          |
| 02128 GUNNARN              | 6500N    | 01742E    | 283       |           | 975.3        | 1008.8         | 11.1        | -1.1   | 11.4           | .8     | 14            | 99    | 32     | 5        |          |          |
| 02196 HAPARANDA            | 6550N    | 02409E    | 6         |           | 1007.5       | 1008.3         | 12.2        | -1.0   | 11.9           | -3     | 11            | 96    | 31     | 5        | 178      | 84       |
| 02226 OSTERSUND FROSON     | 6312N    | 01430E    | 376       |           | 963.2        | 1007.3         | 11.6        | -7     | 11.0           | .3     | 14            | 150   | 90     | 6        | 178      | 95       |
| 02366 TIMRA/MIDLANDA       | 6231N    | 01727E    | 8         |           | 1006.7       | 1007.3         | 13.6        | -4     | 12.6           | .4     | 12            | 84    | 17     | 4        |          |          |
| 02410 MALUNG               | 6041N    | 01342E    | 308       |           | 971.1        | 1007.4         | 12.1        |        | 12.7           |        | 19            | 100   |        | 4        |          |          |
| 02418 KARLSTAD FLYGPLATS   | 5927N    | 01320E    | 107       |           | 994.1        | 1006.7         | 15.4        | .5     | 14.5           | 1.4    | 19            | 142   | 69     | 5        | 149      | 66       |
| 02485 STOCKHOLM            | 5921N    | 01804E    | 52        |           | 1000.3       | 1006.5         | 16.0        | -2     | 14.9           | 1.6    | 17            | 154   | 88     | 6        | 148      | 67       |
| 02550 JONKOPING/AXAMO      | 5745N    | 01405E    | 224       |           | 980.9        | 1007.4         | 14.4        | .3     | 13.9           | 1.6    | 18            | 174   | 111    | 6        |          |          |
| 02590 VISBY                | 5740N    | 01821E    | 51        |           | 1001.6       | 1007.5         | 16.4        | .5     | 15.3           | .7     | 13            | 107   | 57     | 5        | 190      | 79       |
| <b>FINLAND</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 02801 KILPISJARVI          | 6903N    | 02047E    | 478       |           | 951.1        | 1010.0         | 8.4         |        | 8.8            |        | 6             | 23    |        | 1        |          |          |
| 02805 KEVO                 | 6945N    | 02702E    | 107       |           | 996.5        | 1009.8         | 9.1         |        | 9.4            |        | 7             | 46    |        | 3        | 112      | 75       |
| 02836 SODANKYLA            | 6722N    | 02639E    | 179       |           | 986.7        | 1009.0         | 10.2        | -1.0   | 10.2           |        | 12            | 99    | 36     | 5        | 106      | 59       |
| 02869 KUUSAMO              | 6558N    | 02911E    | 263       |           | 975.6        | 1008.4         | 10.0        | -1.4   | 10.4           |        |               |       |        |          |          |          |
| 02875 OULU                 | 6456N    | 02522E    | 15        |           | 1006.0       | 1007.8         | 12.6        | -1.1   | 11.9           |        |               |       |        |          | 162      | 80       |
| 02897 KAJAANI              | 6417N    | 02741E    | 143       |           | 991.2        | 1007.9         | 11.9        | -1.2   | 11.4           |        |               |       |        |          |          |          |
| 02929 JOENSUU              | 6240N    | 02938E    | 119       |           | 992.7        | 1007.5         | 13.0        | -1.0   | 12.7           |        |               |       |        |          |          |          |
| 02935 JYVASKYLA            | 6224N    | 02541E    | 145       |           | 989.9        | 1007.5         | 12.5        | -1.1   | 12.5           |        | 14            | 134   | 43     | 4        | 110      | 56       |

# SURFACE

# AUGUST 2008

| 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. |
| 02942 NIINISALO                     | 6151N    | 02228E    | 136       |           | 991.5        | 1007.0         | 13.3        | -.5    | 12.5           |        | 16            | 153   | 73     | 5        |          |          |
| <b>02963 JOKIOINEN</b>              | 6049N    | 02330E    | 104       |           | 993.9        | 1006.8         | 14.0        | -.2    | 12.9           |        | 10            | 96    | 13     | 4        | 120      | 59       |
| 02972 TURKU                         | 6031N    | 02216E    | 59        |           | 999.4        | 1006.7         | 14.5        | -.7    | 13.6           |        |               |       |        |          |          |          |
| 02974 HELSINKI-VANTAA               | 6019N    | 02458E    | 56        |           | 1000.0       | 1007.1         | 14.8        | -.2    | 14.2           |        | 14            | 82    | 2      | 3        | 108      | 49       |
| <b>UNITED KINGDOM</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>03005 LERWICK</b>                | 6008N    | 00111W    | 84        |           | 996.2        | 1006.0         | 13.3        | 1.5    | 13.3           |        | 9             | 77    | -2     | 3        | 154      | 124      |
| <b>03026 STORNOWAY AIRPORT</b>      | 5813N    | 00619W    | 15        |           | 1003.0       | 1004.9         | 14.3        | 1.6    | 13.9           |        | 15            | 107   | 23     | 4        | 127      | 96       |
| 03066 KINLOSS                       | 5739N    | 00334W    | 7         |           | 1004.8       | 1005.5         | 14.7        | .7     | 13.2           |        | 17            | 99    | 28     | 5        | 110      | 82       |
| 03091 DYCE                          | 5712N    | 00213W    | 69        |           | 998.0        | 1005.9         | 14.6        | 1.0    | 13.8           |        | 13            | 100   | 25     | 4        | 78       | 52       |
| 03100 TIREE                         | 5630N    | 00653W    | 12        |           | 1003.0       | 1004.7         | 14.4        | 1.0    | 14.7           |        | 19            | 108   | 13     | 4        | 116      | 74       |
| <b>03162 ESKDALEMUIR</b>            | 5519N    | 00312W    | 242       |           | 978.1        | 1006.8         | 14.0        | 1.1    | 14.0           |        | 24            | 225   | 100    | 5        | 41       | 31       |
| 03257 LEEMING                       | 5418N    | 00132W    | 40        |           | 1002.8       | 1007.3         | 16.1        | .8     | 14.7           |        | 16            | 96    | 31     | 5        | 86       | 55       |
| <b>03302 VALLEY</b>                 | 5315N    | 00432W    | 11        |           | 1006.4       | 1007.8         | 15.9        | .5     | 15.6           |        | 18            | 84    | 10     | 4        | 86       | 46       |
| <b>03377 WADDINGTON</b>             | 5310N    | 00031W    | 70        |           | 1000.0       | 1008.6         | 17.1        | 1.4    | 14.5           |        | 11            | 62    | -1     | 3        | 117      | 67       |
| 03502 ABERPORTH                     | 5208N    | 00434W    | 134       |           | 993.0        | 1008.9         | 15.3        | .4     | 14.9           |        | 14            | 103   | 39     | 5        | 94       | 54       |
| 03740 LYNEHAM                       | 5130N    | 00159W    | 147       |           | 990.6        | 1008.0         | 16.1        | .4     | 15.0           |        | 12            | 82    | 23     | 5        | 105      | 57       |
| 03797 MANSTON                       | 5121N    | 00120E    | 54        |           | 1005.6       | 1011.3         | 17.5        | .7     | 15.7           |        | 15            | 54    | 8      | 4        | 152      | 73       |
| <b>03808 CAMBORNE</b>               | 5013N    | 00519W    | 88        |           | 1000.8       | 1011.4         | 15.6        |        | 15.4           |        | 20            | 99    |        | 4        | 88       | 45       |
| 03862 HURN                          | 5047N    | 00150W    | 11        |           | 1010.2       | 1011.6         | 16.5        | .4     | 15.7           |        | 16            | 78    | 22     | 4        | 116      | 58       |
| 03917 ALDERGROVE                    | 5439N    | 00613W    | 81        |           | 998.3        | 1005.9         | 15.3        | .9     | 14.7           |        | 22            | 188   | 108    | 6        | 61       | 44       |
| <b>IRELAND</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>03953 VALENTIA OBSERVATORY</b>   | 5156N    | 01015W    | 30        |           | 1004.7       | 1008.2         | 15.4        | .4     | 15.3           | .7     | 20            | 182   | 71     | 5        | 85       | 60       |
| 03955 CORK AIRPORT                  | 5151N    | 00829W    | 162       |           | 988.9        | 1008.1         | 14.6        | .3     | 14.9           | 1.0    | 21            | 165   | 75     | 5        | 107      | 65       |
| 03962 SHANNON AIRPORT               | 5242N    | 00855W    | 20        |           | 1004.7       | 1007.0         | 15.8        | .5     | 15.5           | 1.3    | 18            | 188   | 106    | 6        | 88       | 60       |
| 03967 CASEMENT AERODROME            | 5318N    | 00626W    | 97        |           | 995.5        | 1006.6         | 15.5        |        | 14.4           |        | 15            | 172   |        |          | 91       | 60       |
| 03976 BELMULLET                     | 5414N    | 01000W    | 10        |           | 1004.3       | 1005.5         | 15.0        | .7     | 15.3           | 1.3    | 23            | 192   | 98     | 5        | 110      | 75       |
| <b>03980 MALIN HEAD</b>             | 5522N    | 00720W    | 25        |           | 1002.0       | 1005.0         | 14.9        | 1.0    | 14.9           | 1.4    | 19            | 123   | 31     | 4        | 102      | 75       |
| <b>ICELAND</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 04018 KEFLAVIKURFLUGVOLLUR          | 6358N    | 02236W    | 54        |           | 997.0        | 1003.8         | 11.4        |        | 10.9           |        | 13            | 74    |        | 2        |          |          |
| 04030 REYKJAVIK                     | 6408N    | 02156W    | 61        |           | 996.0        | 1004.0         | 11.5        | 1.2    | 11.1           | 1.0    | 13            | 82    | 21     | 4        | 162      | 105      |
| 04063 AKUREYRI                      | 6541N    | 01805W    | 27        |           | 1001.0       | 1004.9         | 11.5        | 1.5    | 11.1           | 1.4    | 3             | 14    | -20    | 1        | 163      | 121      |
| 04082 AKURNES                       | 6418N    | 01513W    | 21        |           | 1004.0       | 1005.8         | 10.9        |        | 10.9           |        | 13            | 99    |        | 2        |          |          |
| <b>GREENLAND</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 04220 AASIAAT (EGEDESMINDE)         | 6842N    | 05251W    | 43        |           |              | 1009.7         | 6.2         | .9     | 8.1            |        | 7             | 45    | 12     |          |          |          |
| 04312 STATION NORD AWS              | 8136N    | 01641W    | 36        |           |              | 1013.3         | 4.5         | 2.4    | 6.5            |        |               |       |        |          |          |          |
| <b>04320 DANMARKSHAVN</b>           | 7646N    | 01840W    | 12        |           |              | 1011.3         | 4.4         | 2.0    | 6.1            |        | 3             | 10    | -5     |          |          |          |
| 04339 ITTOQQORTOORMIIT (SCORESBYSU) | 7029N    | 02157W    | 69        |           |              | 1008.9         | 6.0         |        | 7.7            |        | 6             | 67    | 29     |          |          |          |
| <b>04360 TASILAQ (AMMASSALIK)</b>   | 6536N    | 03738W    | 52        |           |              | 1007.2         | 7.1         | 1.1    | 8.1            |        | 6             | 30    | -36    |          |          |          |
| 04390 PRINS CHRISTIAN SUND          | 6003N    | 04310W    | 88        |           |              | 1007.5         | 8.4         | 1.9    | 7.7            |        | 7             | 48    | -132   |          |          |          |

# SURFACE

# AUGUST 2008

| 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>DENMARK AND FAROE ISLANDS</b>       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 06011 TORSHAVN                         | 6201N    | 00646W    | 61        |           |              | 1006.2         | 11.5        | .9     | 11.3           |        | 12            | 186   | 98     |          |          |          |
| 06030 AALBORG                          | 5706N    | 00951E    | 13        |           |              | 1007.8         | 16.9        | 1.4    | 14.9           |        | 13            | 109   |        |          |          |          |
| 06186 KOEBENHAVN/LANDBOHOEJSKOLEN      | 5541N    | 01233E    | 7         |           |              | 1009.2         | 17.8        |        | 15.7           |        | 16            | 144   |        |          |          |          |
| 06190 ROENNE                           | 5504N    | 01445E    | 17        |           |              | 1010.2         | 17.5        | .3     | 17.9           |        |               |       |        |          |          |          |
| <b>NETHERLANDS</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 06235 DE KOOY                          | 5256N    | 00447E    | 2         |           | 1010.6       | 1010.7         | 17.4        | .8     | 15.9           | .6     | 12            | 142   | 77     | 5        | 190      | 95       |
| 06260 DE BILT                          | 5206N    | 00511E    | 4         |           | 1011.4       | 1011.7         | 17.4        | .7     | 16.3           | 1.3    | 18            | 114   | 43     | 5        | 163      | 88       |
| 06280 EELDE/GRONINGEN AP EELDE         | 5307N    | 00635E    | 4         |           | 1010.4       | 1010.9         | 16.9        | .9     | 16.2           | 1.2    | 17            | 64    | -2     | 3        | 156      | 86       |
| 06310 VLISSINGEN                       | 5127N    | 00336E    | 10        |           | 1010.9       | 1011.9         | 17.9        | .6     | 17.2           | 1.7    | 13            | 91    | 23     | 5        | 155      | 80       |
| <b>LUXEMBOURG</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 06590 LUXEMBOURG/LUXEMBOURG            | 4937N    | 00613E    | 376       |           | 970.6        | 1014.3         | 17.2        |        | 14.3           |        | 10            | 64    | -8     | 3        | 203      | 98       |
| <b>SWITZERLAND &amp; LIECHTENSTEIN</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 06610 PAYERNE                          | 4649N    | 00657E    | 491       |           | 959.3        | 1015.6         | 18.0        |        | 15.3           |        | 9             | 90    |        |          | 221      | 100      |
| 06660 ZUERICH-METEOSCHWEIZ             | 4723N    | 00834E    | 569       |           | 951.8        | 1015.4         | 17.7        | 1.0    | 15.0           | .3     | 11            | 174   | 39     | 4        | 201      | 105      |
| 06680 SAENTIS                          | 4715N    | 00921E    | 2502      |           | 755.5        | 3117 Z         | 6.4         | 1.4    | 7.8            | .9     | 15            | 208   | -125   | 1        | 185      | 112      |
| 06700 GENEVE-COINTRIN                  | 4615N    | 00608E    | 420       |           | 967.6        | 1015.3         | 19.3        | 1.2    | 15.0           | 1.2    | 9             | 91    | 13     | 4        | 251      | 112      |
| 06717 GRAND ST. BERNARD                | 4552N    | 00710E    | 2479      |           | 756.7        | 3128 Z         | 8.3         |        | 8.1            |        | 12            | 113   |        |          | 229      | 110      |
| 06770 LUGANO                           | 4600N    | 00858E    | 276       |           | 978.9        | 1013.4         | 21.8        | 1.6    | 17.9           | 1.1    | 8             | 110   | -63    | 2        | 252      | 110      |
| <b>FRANCE</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 07005 ABBEVILLE                        | 5008N    | 00150E    | 77        |           | 1004.5       | 1013.3         | 17.0        |        | 16.1           |        | 12            | 114   |        | 5        | 127      | 60       |
| 07015 LILLE                            | 5034N    | 00306E    | 52        |           | 1007.3       | 1012.8         | 17.6        |        | 15.2           |        | 12            | 107   |        | 6        | 128      | 60       |
| 07020 LA HAGUE                         | 4943N    | 00156W    | 12        |           | 1012.0       | 1012.8         | 17.1        |        | 15.4           |        | 14            | 67    |        | 5        |          |          |
| 07027 CAEN                             | 4911N    | 00027W    | 67        |           | 1005.7       | 1013.6         | 17.2        | .6     | 15.2           |        | 11            | 55    | 9      | 2        | 149      | 71       |
| 07037 ROUEN                            | 4923N    | 00111E    | 156       |           | 996.0        | 1013.8         | 16.9        |        | 15.0           |        | 16            | 97    |        |          | 126      | 55       |
| 07070 REIMS                            | 4918N    | 00402E    | 91        |           | 1003.4       | 1014.1         | 18.3        |        | 15.3           |        | 7             | 72    |        |          | 143      | 65       |
| 07110 BREST                            | 4827N    | 00425W    | 99        |           | 1002.6       | 1013.8         | 16.1        | .1     | 16.1           |        | 17            | 149   | 90     | 6        | 98       | 48       |
| 07117 PLOUMANAC'H PERROS GUIREC        | 4850N    | 00328W    | 58        |           | 1006.5       | 1013.3         | 16.7        |        | 16.0           |        | 14            | 82    |        |          |          |          |
| 07130 RENNES                           | 4804N    | 00144W    | 43        |           | 1009.4       | 1014.5         | 17.5        |        | 15.3           |        | 11            | 52    |        |          | 153      | 70       |
| 07139 ALENCON                          | 4826N    | 00006E    | 144       |           | 997.4        | 1014.3         | 17.1        |        | 15.4           |        | 11            | 54    |        |          | 156      | 75       |
| 07149 PARIS-ORLY                       | 4843N    | 00223E    | 90        |           | 1003.6       | 1014.2         | 18.9        |        | 15.4           |        | 9             | 82    |        | 5        |          |          |
| 07168 TROYES                           | 4820N    | 00401E    | 118       |           | 1001.2       | 1015.0         | 18.2        |        | 15.7           |        | 7             | 54    |        |          | 180      |          |
| 07181 NANCY-OCHEY                      | 4835N    | 00558E    | 351       |           | 975.2        | 1014.9         | 17.4        |        | 15.2           |        | 13            | 92    |        |          |          |          |
| 07190 STRASBOURG-ENTZHEIM              | 4833N    | 00738E    | 153       |           | 997.1        | 1015.1         | 18.9        | .6     | 16.3           |        | 10            | 90    | 23     | 2        | 188      | 88       |
| 07207 POINTE DU TALUT                  | 4718N    | 00310W    | 43        |           | 1010.4       | 1015.4         | 17.4        |        | 17.1           |        | 10            | 47    |        |          |          |          |
| 07222 NANTES                           | 4709N    | 00136W    | 27        |           | 1012.3       | 1015.4         | 17.6        | -.8    | 16.5           |        | 14            | 60    | 16     | 5        | 174      | 73       |
| 07240 TOURS                            | 4727N    | 00044E    | 112       |           | 1001.9       | 1015.0         | 18.7        |        | 15.1           |        | 12            | 33    |        |          | 194      | 80       |
| 07255 BOURGES                          | 4704N    | 00222E    | 166       |           | 996.2        | 1015.6         | 18.9        | .3     | 16.1           |        | 14            | 73    | 14     | 2        | 199      | 87       |

# SURFACE

# AUGUST 2008

| 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. |
| 07280 DIJON                        | 4716N    | 00505E    | 227       |           | 989.3        | 1015.7         | 18.6        | -3     | 15.7           |        | 9             | 104   | 39     | 5        | 195      | 85       |
| 07299 BALE-MULHOUSE                | 4736N    | 00731E    | 271       |           | 983.9        | 1015.5         | 18.5        |        | 15.8           |        | 9             | 94    |        |          | 206      | 90       |
| 07314 CHASSIRON                    | 4603N    | 00125W    | 22        |           | 1013.7       | 1016.4         | 19.3        |        | 17.9           |        | 7             | 55    |        |          |          |          |
| 07335 POITIERS                     | 4635N    | 00018E    | 120       |           | 1001.7       | 1015.8         | 18.5        |        | 15.7           |        | 11            | 67    |        |          | 210      | 85       |
| 07434 LIMOGES                      | 4552N    | 00111E    | 402       |           | 969.6        | 1016.0         | 17.7        |        | 15.4           |        | 16            | 103   |        |          | 180      | 70       |
| 07460 CLERMONT-FERRAND             | 4547N    | 00310E    | 330       |           | 977.7        | 1015.8         | 19.0        |        | 14.9           |        | 8             | 47    |        |          | 217      | 90       |
| 07471 LE PUY                       | 4505N    | 00346E    | 833       |           | 922.1        | 1520 Y         | 15.9        |        | 13.2           |        | 9             | 51    |        |          | 236      |          |
| 07481 LYON-SATOLAS                 | 4544N    | 00505E    | 248       |           | 987.8        | 1015.6         | 19.8        |        | 16.3           |        | 9             | 70    |        |          | 246      |          |
| 07510 BORDEAUX MERIGNAC            | 4450N    | 00041W    | 61        |           | 1010.3       | 1016.7         | 19.9        |        | 16.4           |        | 10            | 83    | 29     | 5        | 226      | 90       |
| 07535 GOURDON                      | 4445N    | 00124E    | 261       |           | 986.0        | 1016.3         | 19.3        |        | 15.9           |        | 11            | 50    |        |          | 228      | 90       |
| 07560 MONT AIGOUAL                 | 4407N    | 00335E    | 1567      |           | 845.7        | 1522 Y         | 13.1        |        | 11.3           |        | 7             | 35    |        | 1        |          |          |
| 07577 MONTELMAR                    | 4435N    | 00444E    | 74        |           | 1006.4       | 1015.0         | 21.6        |        | 16.7           |        | 7             | 242   |        | 6        | 291      | 95       |
| 07591 EMBRUN                       | 4434N    | 00630E    | 876       |           | 916.1        | 1517 Y         | 19.3        |        | 12.4           |        | 7             | 48    |        |          | 275      | 100      |
| 07607 MONT-DE-MARSAN               | 4355N    | 00030W    | 60        |           | 1009.8       | 1016.8         | 20.3        |        | 17.6           |        | 8             | 57    |        |          | 230      | 100      |
| 07621 TARBES-OSSUN                 | 4311N    | 00000W    | 364       |           | 974.9        | 1016.9         | 19.0        |        | 16.7           |        | 8             | 56    |        |          | 193      | 95       |
| 07627 SAINT GIRONS                 | 4300N    | 00106E    | 412       |           | 969.2        | 1016.4         | 18.9        |        | 16.8           |        | 9             | 36    |        | 1        | 187      | 90       |
| <b>07630 TOULOUSE BLAGNAC</b>      | 4338N    | 00122E    | 154       |           | 998.0        | 1016.3         | 21.5        |        | 15.8           |        | 6             | 48    | 1      | 2        | 222      | 90       |
| 07643 MONTPELLIER                  | 4365N    | 00358E    | 8         |           | 1013.8       | 1014.7         | 23.4        |        | 16.6           |        |               | 2     |        | 0        | 303      | 95       |
| 07650 MARIGNANE                    | 4327N    | 00514E    | 32        |           | 1010.2       | 1013.9         | 24.3        |        | 16.9           |        | 01            | 1     | -28    | 1        | 333      | 100      |
| 07661 CAP CEPET                    | 4305N    | 00556E    | 136       |           | 998.0        | 1013.2         | 23.6        |        | 17.6           |        | 0             | T     |        |          |          |          |
| 07690 NICE                         | 4339N    | 00712E    | 27        |           | 1010.1       | 1013.3         | 24.6        |        | 19.7           |        | 2             | 4     | -27    | 2        | 365      | 115      |
| 07747 PERPIGNAN                    | 4244N    | 00252E    | 47        |           | 1009.7       | 1015.1         | 24.0        |        | 17.2           |        | 1             | 7     | -25    | 1        | 270      | 100      |
| 07761 AJACCIO                      | 4155N    | 00848E    | 9         |           | 1013.1       | 1014.2         | 23.5        |        | 19.7           |        | 0             | T     | -19    | 1        | 377      | 110      |
| 07790 BASTIA                       | 4233N    | 00929E    | 12        |           | 1012.0       | 1013.4         | 24.6        |        | 20.3           |        | 0             | T     |        | 1        | 340      | 110      |
| <b>SPAIN</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 08001 LA CORUNA                    | 4322N    | 00825W    | 67        |           | 1008.9       | 1016.8         | 20.3        | 1.5    | 17.4           | .2     | 9             | 68    | 40     | 5        | 219      | 93       |
| 08015 OVIEDO                       | 4321N    | 00552W    | 339       |           | 977.1        | 1016.1         | 19.2        | .8     | 17.9           | 1.1    | 7             | 53    | 4      | 4        | 206      | 120      |
| 08023 SANTANDER                    | 4329N    | 00348W    | 59        |           | 1010.5       | 1017.4         | 19.9        | .3     | 18.9           | 1.1    | 12            | 87    | 4      | 4        | 219      | 112      |
| 08025 BILBAO/SONDICA               | 4318N    | 00254W    | 42        |           | 1012.8       | 1017.3         | 20.6        |        | 17.0           |        | 8             | 48    |        | 2        | 172      | 95       |
| <b>08027 SAN SEBASTIAN/IGUELDO</b> | 4318N    | 00202W    | 259       |           | 986.7        | 1016.7         | 19.1        | .4     | 18.0           | -.1    | 12            | 100   | -15    | 3        | 213      | 116      |
| 08045 VIGO/PEINADOR                | 4214N    | 00838W    | 256       |           | 987.3        | 1017.4         | 17.8        | -1.1   | 16.1           | -.4    | 6             | 54    | 23     | 4        | 267      | 95       |
| 08048 ORENSE                       | 4220N    | 00752W    | 147       |           | 998.5        | 1015.5         | 22.3        |        | 15.9           |        | 5             | 22    |        | 4        | 249      | 90       |
| 08053 PONFERRADA                   | 4234N    | 00636W    | 550       |           | 953.3        | 1015.3         | 20.7        |        | 13.7           |        | 4             | 16    |        | 3        | 310      | 105      |
| 08055 LEON/VIRGEN DEL CAMINO       | 4235N    | 00539W    | 916       |           | 912.8        | 1013.4         | 19.0        |        | 11.6           |        | 2             | 4     |        | 2        | 353      | 105      |
| 08075 BURGOS/VILLAFRIA             | 4221N    | 00338W    | 890       |           | 916.2        | 1535 Y         | 19.7        | 1.4    | 12.5           | -1.3   | 2             | 7     | -17    | 2        | 336      | 112      |
| 08084 LOGRONO/AGONCILLO            | 4227N    | 00220W    | 363       |           | 973.7        | 1014.8         | 22.5        | .7     | 14.1           | -.7    | 3             | 6     | -15    | 1        | 316      | 110      |
| 08085 PAMPLONA/NOAIN               | 4246N    | 00138W    | 459       |           | 964.1        | 1015.3         | 21.3        |        | 14.8           |        | 5             | 38    |        | 3        | 292      | 105      |
| 08130 ZAMORA                       | 4131N    | 00544W    | 667       |           | 940.1        | 1014.2         | 21.9        |        | 12.4           |        | 3             | 15    |        | 4        |          |          |
| 08141 VALLADOLID                   | 4139N    | 00446W    | 735       |           | 931.5        | 1012.8         | 21.5        | .5     | 12.3           | 1.2    | 0             | T     | -13    | 2        | 353      | 104      |
| 08148 SORIA                        | 4146N    | 00228W    | 1082      |           | 894.7        | 1012.1         | 20.1        |        | 12.1           |        | 3             | 14    |        | 3        |          |          |
| 08160 ZARAGOZA/AEROPUERTO          | 4140N    | 00100W    | 263       |           | 985.0        | 1014.1         | 25.1        | 1.3    | 15.1           | -1.1   | 2             | 7     | -9     | 3        | 342      | 108      |
| 08171 LERIDA                       | 4138N    | 00036E    | 199       |           | 992.1        | 1014.6         | 25.4        |        | 16.8           |        | 2             | 4     |        | 1        | 327      | 105      |
| 08175 REUS/AEROPUERTO              | 4109N    | 00110E    | 76        |           | 1006.0       | 1014.7         | 23.8        |        | 18.3           |        | 2             | 28    |        | 2        | 282      | 105      |
| <b>08181 BARCELONA/AEROPUERTO</b>  | 4117N    | 00204E    | 6         |           | 1014.3       | 1014.9         | 25.4        | 2.4    | 20.5           | -.8    | 2             | 10    | -56    | 1        |          |          |
| 08184 GERONA/COSTA BRAVA           | 4154N    | 00246E    | 143       |           | 999.8        | 1014.5         | 23.5        | .8     | 17.2           | -2.0   | 2             | 14    | -40    | 1        | 257      | 103      |

# SURFACE

# AUGUST 2008

| 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>08202 SALAMANCA/MATACAN</b>      | 4057N    | 00530W    | 794       |           | 926.0        | 1013.7         | 19.9        | -4     | 10.9           | -2.3   | 1             | 1     | -9     | 2        | 360      | 106      |
| <b>08215 NAVACERRADA</b>            | 4047N    | 00401W    | 1894      |           | 815.0        | 1527 Y         | 16.8        |        | 9.3            |        | 1             | 6     |        | 2        | 350      | 105      |
| 08221 MADRID/BARAJAS                | 4030N    | 00335W    | 633       |           | 948.0        | 1012.0         | 25.5        | 1.7    | 9.8            | -3.5   | 0             | T     | -9     | 2        | 327      | 98       |
| 08231 CUENCA                        | 4004N    | 00208W    | 946       |           | 909.1        | 1532 Y         | 24.3        |        | 11.7           |        | 2             | 9     |        | 3        | 337      | 105      |
| 08235 TERUEL                        | 4021N    | 00107W    | 902       |           | 914.4        |                | 22.6        |        | 15.1           |        | 3             | 12    |        |          |          |          |
| 08238 TORTOSA                       | 4049N    | 00030E    | 50        |           | 1008.3       | 1014.0         | 26.7        | 1.4    | 21.9           | 1.4    | 3             | 18    | -18    | 2        | 272      | 100      |
| 08261 CACERES                       | 3928N    | 00620W    | 405       |           | 969.8        | 1015.0         | 25.6        | .0     | 12.5           | .7     | 0             | T     | -5     | 3        | 366      | 105      |
| 08272 TOLEDO                        | 3953N    | 00403W    | 516       |           | 955.1        | 1012.0         | 26.7        |        | 11.8           |        | 0             | 0     |        | 1        | 370      | 105      |
| <b>08280 ALBACETE/LOS LLANOS</b>    | 3857N    | 00151W    | 704       |           | 936.0        | 1013.0         | 25.5        | 1.8    | 14.8           | -2.0   | 0             | 0     | -12    | 1        | 369      | 115      |
| 08284 VALENCIA/AEROPUERTO           | 3930N    | 00028W    | 69        |           | 1007.2       | 1014.4         | 26.2        | 1.3    | 19.9           | -1.9   | 1             | 4     | -16    | 2        | 275      | 99       |
| 08286 CASTELLON                     | 3957N    | 00004W    | 35        |           | 1009.7       | 1013.7         | 26.3        |        | 22.6           |        | 1             | 8     |        |          |          |          |
| 08301 PALMA DE MALLORCA             | 3933N    | 00237E    | 6         |           | 1013.6       | 1014.3         | 26.0        |        | 27.2           |        | 0             | T     |        | 2        | 340      | 110      |
| 08306 PALMA DE MALLORCA/SON SAN JU  | 3933N    | 00244E    | 7         |           | 1014.6       | 1015.2         | 25.0        | .9     | 21.5           | -4     | 1             | 3     | -17    | 2        | 342      | 108      |
| 08314 MENORCA/MAHON                 | 3952N    | 00414E    | 89        |           | 1005.3       | 1015.1         | 24.9        | .4     | 20.0           | -1.2   | 01            | 1     | -25    | 1        | 319      | 102      |
| 08330 BADAJOZ/TALAVERA LA REAL      | 3853N    | 00650W    | 192       |           | 992.4        | 1014.1         | 25.5        | .5     | 15.6           | -2     | 0             | 0     | -6     | 3        | 354      | 103      |
| 08348 CIUDAD REAL                   | 3859N    | 00355W    | 629       |           | 944.3        | 1013.2         | 26.7        | 2.2    | 15.4           | -6     | 0             | 0     | -8     | 2        | 335      | 98       |
| 08359 ALICANTE                      | 3822N    | 00030W    | 82        |           |              |                | 26.4        | .9     | 24.1           | 1.6    | 1             | 2     | -6     | 3        |          |          |
| 08360 ALICANTE/EL ALTET             | 3817N    | 00033W    | 43        |           | 1010.9       | 1014.4         | 25.4        |        | 20.1           |        | 0             | T     |        |          | 294      |          |
| 08373 IBIZA/ES CODOLA               | 3853N    | 00123E    | 17        |           | 1012.8       | 1014.8         | 25.8        | .3     | 24.2           | -1     | 0             | 0     | -26    | 2        | 308      | 102      |
| 08383 HUELVA                        | 3717N    | 00655W    | 20        |           | 1012.4       | 1014.6         | 26.2        |        | 16.7           |        | 0             | 0     |        | 4        | 376      | 105      |
| 08391 SEVILLA/SAN PABLO             | 3725N    | 00554W    | 34        |           | 1009.9       | 1013.4         | 28.6        |        | 14.9           |        | 0             | 0     |        | 4        | 362      | 105      |
| <b>08410 CORDOBA/AEROPUERTO</b>     | 3751N    | 00451W    | 92        |           | 1002.6       | 1013.0         | 28.1        | 1.3    | 11.6           | -5.4   | 0             | 0     | -3     | 3        | 361      | 107      |
| 08417 JAEN                          | 3747N    | 00348W    | 582       |           | 950.1        | 1013.7         | 27.5        |        | 15.8           |        | 0             | 0     |        | 3        |          |          |
| 08419 GRANADA/AEROPUERTO            | 3711N    | 00347W    | 570       |           | 949.5        | 1012.4         | 25.0        |        | 11.7           |        | 0             | 0     |        | 3        | 356      | 100      |
| 08430 MURCIA                        | 3800N    | 00110W    | 62        |           | 1007.3       | 1014.3         | 28.4        |        | 20.3           |        | 0             | 0     |        | 3        | 337      | 110      |
| 08433 MURCIA/SAN JAVIER             | 3747N    | 00048W    | 5         |           | 1014.0       | 1014.3         | 26.0        | 1.4    | 22.5           | -1.8   | 0             | 0     | -8     | 3        | 298      | 116      |
| 08451 JEREZ DE LA FRONTERA AEROPUE  | 3645N    | 00604W    | 28        |           | 1011.0       | 1014.1         | 26.4        | .8     | 16.8           | -2.3   | 0             | 0     | -5     | 4        | 356      | 105      |
| 08482 MALAGA/AEROPUERTO             | 3640N    | 00429W    | 16        |           | 1013.3       | 1014.1         | 27.5        | 2.2    | 21.0           | .8     | 0             | 0     | -5     | 4        | 347      | 107      |
| 08487 ALMERIA/AEROPUERTO            | 3651N    | 00223W    | 21        |           | 1011.4       | 1013.8         | 27.3        | 1.3    | 23.1           | .5     | 0             | 0     | -1     | 4        | 343      | 110      |
| <b>GIBRALTAR</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 08495 GIBRALTAR                     | 3609N    | 00521W    | 5         |           | 1013.7       | 1014.3         | 25.6        |        |                |        | 0             | 0     |        | 1        | 340      | 105      |
| <b>PORTUGAL</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 08501 FLORES (ACORES)               | 3927N    | 03108W    | 29        |           | 1019.3       | 1023.0         | 24.0        |        | 22.8           |        | 9             | 28    |        | 1        | 257      | 120      |
| 08509 LAJES (ACORES)                | 3846N    | 02706W    | 54        |           | 1017.2       | 1023.5         | 22.4        |        | 21.8           |        | 2             | 8     |        | 1        | 267      | 145      |
| 08512 PONTA DELGADA/NORDELA (ACORE) | 3744N    | 02542W    | 72        |           | 1014.9       | 1024.4         | 22.3        |        | 20.8           |        | 2             | 48    |        | 5        |          |          |
| <b>08535 LISBOA/GEOP</b>            | 3843N    | 00909W    | 95        |           | 1004.9       | 1016.0         | 21.8        | -1.0   | 19.1           | 2.1    | 0             | T     | -6     | 2        | 345      | 101      |
| 08548 COIMBRA/CERNACHE              | 4009N    | 00828W    | 179       |           | 996.9        | 1016.9         | 19.5        |        | 16.0           |        | 2             | 7     |        |          | 205      |          |
| 08558 EVORA/C. COORD                | 3832N    | 00754W    | 246       |           | 987.0        | 1015.3         | 23.0        |        | 15.4           |        | 1             | 1     |        |          |          |          |
| 08570 CASTELO BRANCO                | 3950N    | 00729W    | 386       |           | 970.5        | 1014.4         | 23.6        |        | 12.4           |        | 0             | T     |        |          | 352      |          |
| 08575 BRAGANCA                      | 4148N    | 00644W    | 692       |           | 937.4        | 1015.8         | 20.5        | -3     | 12.4           | -3     | 4             | 14    | 0      | 1        | 251      | 74       |
| <b>GERMANY</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |



# SURFACE

# AUGUST 2008

| 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. |
| 10015 HELGOLAND                  | 5411N    | 00754E    | 8         |           | 1009.4       | 1010.3         | 17.5        |        | 16.3           |        | 17            | 184   |        | 6        | 151      | 70       |
| 10020 LIST/SYLT                  | 5501N    | 00825E    | 29        |           | 1005.9       | 1009.4         | 17.4        |        | 15.9           |        | 17            | 182   |        |          | 178      | 80       |
| 10028 ST PETER-ORDING            | 5420N    | 00836E    | 11        |           | 1008.9       | 1010.2         | 17.3        |        | 16.3           |        | 16            | 141   |        |          | 144      | 70       |
| 10035 SCHLESWIG                  | 5432N    | 00933E    | 48        |           | 1004.4       | 1010.1         | 16.4        | .6     | 15.7           | 1.4    | 22            | 209   | 122    | 5        | 135      | 63       |
| 10055 WESTERMARKELSDORF          | 5432N    | 01104E    | 9         |           | 1009.1       | 1010.1         | 17.5        |        | 16.1           |        | 19            | 119   |        |          | 162      | 70       |
| 10091 ARKONA                     | 5441N    | 01326E    | 42        |           | 1005.4       | 1010.3         | 17.5        |        | 16.0           |        | 7             | 59    |        |          | 186      | 75       |
| 10113 NORDERNEY                  | 5343N    | 00709E    | 16        |           | 1008.6       | 1010.5         | 17.5        |        | 16.1           |        | 18            | 194   |        |          | 150      | 70       |
| 10129 BREMERHAVEN                | 5332N    | 00835E    | 11        |           | 1009.8       | 1011.1         | 17.8        |        | 16.2           |        | 15            | 124   |        |          | 154      | 80       |
| 10131 CUXHAVEN                   | 5352N    | 00842E    | 12        |           | 1009.1       | 1010.5         | 17.4        |        | 15.7           |        | 20            | 182   |        |          | 155      | 75       |
| 10142 ITZEHOE                    | 5359N    | 00934E    | 26        |           | 1007.7       | 1010.7         | 17.2        |        | 16.1           |        | 18            | 133   |        |          | 148      |          |
| <b>10147 HAMBURG-FUHLBUETTEL</b> | 5338N    | 00959E    | 16        |           | 1009.3       | 1011.1         | 17.4        | .8     | 15.4           | .9     | 14            | 104   | 34     | 5        | 144      | 70       |
| 10161 BOLTENHAGEN                | 5400N    | 01112E    | 17        |           | 1008.8       | 1010.6         | 17.5        |        | 15.6           |        | 12            | 110   |        |          | 161      | 70       |
| 10162 SCHWERIN                   | 5339N    | 01123E    | 68        |           | 1002.8       | 1010.8         | 17.4        |        | 15.1           |        | 11            | 121   |        | 5        | 150      | 70       |
| 10170 ROSTOCK-WARNEMUENDE        | 5411N    | 01205E    | 10        |           | 1009.9       | 1010.7         | 17.9        | 1.2    | 15.6           | .5     | 13            | 71    | 12     | 4        | 159      | 71       |
| 10184 GREIFSWALD                 | 5406N    | 01324E    | 6         |           | 1009.9       | 1010.6         | 17.8        |        | 15.3           |        | 9             | 64    |        |          | 166      | 70       |
| 10200 EMDEN-FLUGPLATZ            | 5323N    | 00714E    | 5         |           | 1010.9       | 1011.1         | 17.0        |        | 15.9           |        | 16            | 117   |        |          | 135      | 70       |
| 10215 OLDENBURG                  | 5311N    | 00810E    | 20        |           | 1009.9       | 1011.2         | 17.4        |        | 15.8           |        | 14            | 104   |        |          | 160      | 85       |
| 10224 BREMEN                     | 5303N    | 00848E    | 5         |           | 1010.5       | 1011.1         | 17.3        |        | 15.6           |        | 13            | 124   |        | 5        | 171      | 90       |
| 10249 BOIZENBURG                 | 5324N    | 01041E    | 46        |           | 1006.0       | 1011.4         | 17.5        |        | 15.1           |        | 10            | 68    |        |          | 160      | 75       |
| 10261 SEEHAUSEN                  | 5254N    | 01144E    | 23        |           | 1009.6       | 1012.1         | 18.1        |        | 14.8           |        | 14            | 63    |        |          | 165      | 85       |
| 10264 MARNITZ                    | 5319N    | 01156E    | 87        |           | 1001.3       | 1011.6         | 17.6        |        | 14.6           |        | 15            | 68    |        |          | 161      |          |
| 10270 NEURUPPIN                  | 5254N    | 01249E    | 45        |           | 1006.7       | 1012.0         | 17.9        |        | 14.7           |        | 12            | 71    |        | 4        | 164      | 75       |
| 10291 ANGERMUENDE                | 5302N    | 01400E    | 55        |           | 1005.3       | 1011.8         | 18.2        |        | 14.8           |        | 11            | 43    |        |          | 158      | 70       |
| 10305 LINGEN                     | 5231N    | 00718E    | 26        |           | 1008.9       | 1012.0         | 17.7        |        | 15.3           |        | 12            | 72    |        |          | 148      | 80       |
| 10315 MUENSTER/OSNABRUECK        | 5208N    | 00742E    | 53        |           | 1006.2       | 1012.4         | 17.9        |        | 15.0           |        | 13            | 138   |        |          | 155      | 80       |
| 10321 DIEPHOLZ                   | 5235N    | 00821E    | 43        |           | 1006.3       | 1011.4         | 17.3        |        | 15.3           |        | 12            | 76    |        |          | 163      |          |
| 10338 HANNOVER                   | 5228N    | 00941E    | 59        |           | 1005.1       | 1012.1         | 17.7        | .8     | 15.0           | .5     | 13            | 81    | 17     | 4        | 159      | 73       |
| 10348 BRAUNSCHWEIG               | 5218N    | 01027E    | 88        |           | 1002.4       | 1012.7         | 17.8        |        | 14.6           |        | 9             | 79    |        |          | 165      | 85       |
| 10359 GARDELEGEN                 | 5231N    | 01124E    | 48        |           | 1006.9       | 1012.6         | 17.9        |        | 14.3           |        | 9             | 64    |        |          | 168      | 85       |
| 10361 MAGDEBURG                  | 5206N    | 01135E    | 85        |           | 1002.2       | 1012.2         | 18.7        |        | 14.2           |        | 10            | 45    |        | 3        | 187      | 90       |
| 10379 POTSDAM                    | 5223N    | 01304E    | 100       |           | 1000.7       | 1012.4         | 18.3        | .8     | 15.0           | .8     | 10            | 50    | -10    | 3        | 181      | 82       |
| 10382 BERLIN-TEGEL               | 5234N    | 01319E    | 37        |           | 1007.8       | 1012.1         | 19.0        |        | 14.9           |        | 9             | 45    |        |          | 169      | 80       |
| 10384 BERLIN-TEMPELHOF           | 5228N    | 01324E    | 50        |           | 1006.7       | 1012.4         | 19.1        |        | 14.9           |        | 9             | 52    |        |          | 172      | 80       |
| 10385 BERLIN-SCHOENEFELD         | 5223N    | 01332E    | 48        |           | 1006.5       | 1012.4         | 18.6        |        | 14.8           |        | 11            | 47    |        |          | 175      |          |
| <b>10393 LINDENBERG</b>          | 5213N    | 01407E    | 112       |           | 1000.5       | 1012.7         | 18.4        | .8     | 15.2           | 1.3    | 8             | 59    | -4     | 3        | 179      | 82       |
| 10400 DUESSELDORF                | 5118N    | 00646E    | 45        |           | 1008.4       | 1013.2         | 18.3        |        | 15.2           |        | 10            | 95    |        | 5        | 132      | 70       |
| 10410 ESSEN-BREDENEY             | 5124N    | 00658E    | 161       |           | 995.2        | 1012.7         | 17.7        | .5     | 14.9           | .6     | 12            | 91    | 14     | 4        | 163      | 89       |
| 10418 LUEDENSCHEID               | 5115N    | 00739E    | 392       |           | 967.7        | 1013.2         | 15.9        |        | 13.7           |        | 13            | 97    |        |          | 153      |          |
| 10427 KAHLER ASTEN               | 5111N    | 00829E    | 859       |           | 915.7        | 1482 Y         | 13.2        |        | 12.8           |        | 17            | 117   |        |          | 131      | 80       |
| 10430 BAD LIPPSRINGE             | 5147N    | 00850E    | 158       |           | 994.4        | 1012.9         | 17.5        |        | 14.4           |        | 12            | 102   |        |          | 133      | 70       |
| 10444 GOETTINGEN                 | 5130N    | 00957E    | 175       |           | 993.5        | 1013.0         | 17.9        |        | 14.0           |        | 8             | 48    |        |          | 165      | 90       |
| 10449 LEINEFELDE                 | 5124N    | 01019E    | 356       |           | 972.1        | 1013.0         | 17.2        |        | 13.4           |        | 8             | 47    |        |          | 176      | 90       |
| 10453 BROCKEN                    | 5148N    | 01037E    | 1153      |           | 883.4        | 1472 Y         | 10.9        |        | 11.3           |        | 18            | 126   |        |          | 140      | 85       |
| 10460 ARTERN                     | 5123N    | 01118E    | 166       |           | 993.6        | 1012.9         | 18.6        |        | 14.1           |        | 5             | 44    |        |          | 189      | 100      |
| 10469 LEIPZIG-SCHKEUDITZ         | 5126N    | 01214E    | 141       |           | 997.2        | 1013.1         | 18.9        |        | 14.3           |        | 6             | 63    |        | 4        | 198      | 100      |
| 10480 OSCHATZ                    | 5118N    | 01306E    | 152       |           | 995.8        | 1013.4         | 18.8        |        | 14.5           |        | 14            | 59    |        |          | 193      | 95       |

# SURFACE

# AUGUST 2008

| 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. |
| 10488 DRESDEN-KLOTZSCHE      | 5108N    | 01345E    | 232       |           | 986.4        | 1013.4         | 18.5        |        | 14.4           |        | 14            | 99    |        |          | 202      | 105      |
| 10496 COTTBUS                | 5146N    | 01419E    | 70        |           | 1004.4       | 1012.6         | 18.6        |        | 14.6           |        | 11            | 84    |        |          | 185      | 85       |
| 10499 GOERLITZ               | 5110N    | 01457E    | 240       |           | 985.2        | 1013.1         | 17.9        | 1.0    | 14.4           | .2     | 13            | 93    | 19     | 4        | 194      | 93       |
| 10501 AACHEN                 | 5047N    | 00606E    | 205       |           | 989.4        | 1013.3         | 17.7        |        | 14.2           |        | 9             | 65    |        |          | 165      | 85       |
| 10506 NUERBURG-BARWEILER     | 5022N    | 00652E    | 488       |           | 957.7        | 1013.6         | 16.1        |        | 13.7           |        | 7             | 38    |        |          | 171      |          |
| 10513 KOELN/BONN             | 5052N    | 00710E    | 100       |           | 1001.5       | 1013.2         | 18.2        |        | 14.8           |        | 10            | 63    |        |          | 146      | 80       |
| 10526 BAD MARIENBERG         | 5040N    | 00758E    | 555       |           | 949.5        | 1013.3         | 15.4        |        | 13.9           |        | 15            | 105   |        |          | 150      | 80       |
| 10532 GIESSEN                | 5035N    | 00842E    | 195       |           | 989.7        | 1013.4         | 17.6        |        | 13.7           |        | 10            | 69    |        |          | 184      | 90       |
| 10542 BAD HERSFELD           | 5051N    | 00944E    | 273       |           | 982.3        | 1013.9         | 17.8        |        | 13.8           |        | 6             | 22    |        |          | 171      | 95       |
| 10544 WASSERKUPPE            | 5030N    | 00957E    | 925       |           | 909.4        | 1492 Y         | 13.7        |        | 12.6           |        | 12            | 97    |        |          | 153      | 80       |
| 10548 MEININGEN              | 5034N    | 01023E    | 453       |           | 961.7        | 1013.8         | 16.8        |        | 13.4           |        | 11            | 56    |        | 3        | 182      | 90       |
| 10554 ERFURT-BINDERSLEBEN    | 5059N    | 01058E    | 322       |           | 975.6        | 1012.9         | 17.9        |        | 13.3           |        | 6             | 29    |        |          | 193      | 95       |
| 10557 NEUHAUS A.R.           | 5030N    | 01108E    | 851       |           | 917.3        | 1491 Y         | 14.1        |        | 12.9           |        | 12            | 73    |        |          | 178      |          |
| 10567 GERA-LEUMNITZ          | 5053N    | 01208E    | 312       |           | 977.4        | 1013.5         | 17.9        |        | 13.6           |        | 11            | 44    |        |          | 203      | 100      |
| 10577 CHEMNITZ               | 5048N    | 01252E    | 420       |           | 965.6        | 1013.6         | 17.6        |        | 13.6           |        | 11            | 76    |        |          | 191      | 100      |
| 10578 FICHELBERG             | 5026N    | 01257E    | 1215      |           | 878.4        | 1489 Y         | 12.0        | .8     | 11.7           | .8     | 9             | 81    | -25    | 2        | 175      | 93       |
| 10582 ZINNWALD-GEORGENFELD   | 5044N    | 01345E    | 882       |           | 914.2        | 1493 Y         | 13.8        |        | 12.3           |        | 13            | 93    |        |          | 184      | 100      |
| 10609 TRIER-PETRISBERG       | 4945N    | 00640E    | 273       |           | 982.4        | 1014.2         | 17.6        | .5     | 15.1           | .9     | 10            | 54    | -17    | 2        | 166      | 83       |
| 10637 FRANKFURT/M-FLUGHAFEN  | 5003N    | 00836E    | 113       |           | 1001.3       | 1013.6         | 19.2        |        | 15.0           |        | 9             | 67    |        | 4        | 177      | 85       |
| 10648 MICHELSTADT-VIELBRUNN  | 4943N    | 00906E    | 455       |           | 961.7        | 1014.1         | 17.0        |        | 14.3           |        | 9             | 82    |        |          | 188      | 95       |
| 10655 WUERZBURG              | 4946N    | 00958E    | 272       |           | 982.9        | 1014.4         | 18.6        |        | 14.1           |        | 9             | 47    |        |          | 209      | 105      |
| 10658 BAD KISSINGEN          | 5014N    | 01005E    | 282       |           | 981.3        | 1014.1         | 17.7        |        | 14.1           |        | 9             | 47    |        |          | 187      | 100      |
| 10675 BAMBERG                | 4953N    | 01055E    | 243       |           | 986.2        | 1014.6         | 18.0        |        | 15.0           |        | 10            | 41    |        |          | 196      | 100      |
| 10685 HOF                    | 5019N    | 01153E    | 568       |           | 949.1        | 1014.0         | 16.3        |        | 13.5           |        | 12            | 67    |        | 3        | 206      | 105      |
| 10688 WEIDEN                 | 4940N    | 01211E    | 439       |           | 964.4        | 1014.7         | 17.2        |        | 13.0           |        | 10            | 48    |        |          | 202      | 100      |
| 10708 SAARBRUECKEN/ENSHEIM   | 4913N    | 00707E    | 322       |           | 977.6        | 1014.8         | 17.1        |        | 14.7           |        | 13            | 126   |        |          | 163      | 75       |
| 10727 KARLSRUHE              | 4902N    | 00822E    | 145       |           | 997.8        | 1014.7         | 19.7        | .9     | 15.9           | .6     | 13            | 93    | 27     | 5        | 220      | 100      |
| 10729 MANNHEIM               | 4931N    | 00833E    | 100       |           | 1003.0       | 1014.7         | 19.3        |        | 15.4           |        | 11            | 80    |        |          | 191      | 90       |
| 10738 STUTTGART-ECHTERDINGEN | 4841N    | 00914E    | 396       |           | 969.8        | 1015.0         | 17.9        |        | 14.2           |        | 11            | 90    |        | 4        | 210      | 100      |
| 10742 OEHRINGEN              | 4913N    | 00931E    | 277       |           | 983.0        | 1014.8         | 18.6        |        | 15.0           |        | 12            | 96    |        |          | 205      | 95       |
| 10761 WEISSENBURG            | 4901N    | 01058E    | 424       |           | 966.1        | 1014.5         | 18.1        |        | 13.9           |        | 9             | 73    |        |          | 212      | 100      |
| 10763 NUERNBERG              | 4930N    | 01103E    | 319       |           | 977.7        | 1014.5         | 17.8        | .2     | 14.1           | .1     | 11            | 69    | 2      | 3        | 207      | 96       |
| 10776 REGENSBURG             | 4903N    | 01206E    | 371       |           | 972.4        | 1014.7         | 18.4        |        | 15.2           |        | 13            | 54    |        |          | 218      | 100      |
| 10788 STRAUBING              | 4850N    | 01234E    | 360       |           | 973.9        | 1015.0         | 17.9        |        | 15.3           |        | 11            | 72    |        |          | 232      | 110      |
| 10791 GROSSER ARBER          | 4907N    | 01308E    | 1446      |           | 856.2        | 1507 Y         | 11.3        |        | 11.7           |        | 16            | 146   |        |          | 176      | 90       |
| 10805 LAHR                   | 4822N    | 00750E    | 157       |           | 996.9        | 1015.3         | 18.9        |        | 15.8           |        | 11            | 150   |        |          | 212      | 90       |
| 10815 FREUDENSTADT           | 4827N    | 00825E    | 801       |           | 924.7        | 1509 Y         | 15.2        |        | 14.0           |        | 12            | 191   |        |          | 213      | 100      |
| 10836 STOETTEN               | 4840N    | 00952E    | 737       |           | 931.3        | 1015.0         | 16.0        |        | 13.5           |        | 11            | 116   |        |          | 217      | 95       |
| 10852 AUGSBURG               | 4826N    | 01056E    | 477       |           | 960.5        | 1015.0         | 17.3        |        | 15.1           |        | 10            | 66    |        |          | 223      | 105      |
| 10870 MUENCHEN, FLUGHAFEN    | 4822N    | 01149E    | 453       |           | 963.9        | 1014.9         | 18.1        | 1.5    | 15.5           | 1.8    | 9             | 84    | -14    | 3        | 239      | 114      |
| 10895 FUERSTENZELL           | 4833N    | 01321E    | 480       |           | 960.1        | 1014.9         | 17.6        |        | 14.7           |        | 12            | 108   |        |          | 232      |          |
| 10908 FELDBERG/SCHWARZWALD   | 4753N    | 00800E    | 1493      |           | 851.3        | 1506 Y         | 11.1        |        | 11.3           |        | 13            | 179   |        |          | 178      | 110      |
| 10929 KONSTANZ               | 4741N    | 00911E    | 447       |           | 964.3        | 1015.5         | 18.6        | .9     | 16.0           | .8     | 11            | 117   | 29     | 5        | 226      | 105      |
| 10946 KEMPTEN                | 4743N    | 01020E    | 705       |           | 935.2        | 1015.2         | 16.7        |        | 14.0           |        | 12            | 170   |        |          | 208      | 100      |
| 10948 OBERSTDORF             | 4724N    | 01017E    | 812       |           | 924.4        | 1520 Y         | 15.6        |        | 13.9           |        | 12            | 174   |        |          | 189      | 105      |
| 10961 ZUGSPITZE              | 4725N    | 01059E    | 2962      |           | 713.7        | 3118 Z         | 3.8         | 1.6    | 6.5            | .2     | 15            | 211   | 41     | 4        | 213      | 120      |

# SURFACE

# AUGUST 2008

| 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>10962 HOHENPEISSENBERG</b>  | 4748N    | 01101E    | 986       |           | 904.8        | 1514 Y         | 15.7        | 1.1    | 13.5           | .8     | 13            | 171   | 15     | 3        | 219      | 104      |
| 10980 WENDELSTEIN              | 4742N    | 01201E    | 1835      |           | 817.9        | 1513 Y         | 10.2        |        | 9.9            |        | 15            | 180   |        |          | 187      | 105      |
| <b>AUSTRIA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 11035 WIEN/HOHE WARTE          | 4815N    | 01622E    | 200       |           | 990.0        | 1014.1         | 20.1        |        | 16.0           | 1.1    | 5             | 43    | -15    | 2        | 273      | 120      |
| 11120 INNSBRUCK-FLUGHAFEN      | 4716N    | 01121E    | 584       |           | 947.0        | 1014.5         | 18.3        |        | 15.8           |        | 11            | 95    |        | 2        | 246      | 120      |
| <b>11146 SONNBLICK</b>         | 4703N    | 01257E    | 3111      |           | 701.2        | 3110 Z         | 3.3         |        | 7.3            | .9     | 12            | 155   | -71    | 4        | 183      | 108      |
| 11150 SALZBURG-FLUGHAFEN       | 4748N    | 01300E    | 450       |           | 963.2        | 1014.9         | 18.5        |        | 14.2           | -5     | 12            | 192   | 39     | 4        | 221      | 108      |
| 11155 FEUERKOGEL               | 4749N    | 01343E    | 1621      |           | 839.1        | 1512 Y         | 11.9        |        | 11.9           |        | 12            | 171   |        | 3        | 208      | 120      |
| 11212 VILLACHERALPE            | 4636N    | 01340E    | 2160      |           | 788.1        | 1527 Y         | 9.8         |        | 10.8           |        | 10            | 222   |        | 5        | 229      | 115      |
| 11231 KLAGENFURT-FLUGHAFEN     | 4639N    | 01420E    | 476       |           | 960.0        | 1014.4         | 19.3        |        | 16.7           | 1.8    | 7             | 135   | 34     | 5        | 283      | 121      |
| 11240 GRAZ-THALERHOF-FLUGHAFEN | 4700N    | 01526E    | 347       |           | 972.8        | 1014.4         | 20.1        |        | 16.3           | .2     | 7             | 114   | -1     | 3        | 268      | 122      |
| <b>CZECH REPUBLIC</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 11423 PRIMDA                   | 4940N    | 01240E    | 748       |           | 929.7        |                | 15.8        |        | 13.0           |        | 9             | 45    |        | 2        | 217      | 105      |
| <b>11464 MILESOVKA</b>         | 5033N    | 01356E    | 836       |           | 918.6        |                | 15.2        |        | 13.5           |        | 11            | 77    |        | 4        | 221      | 100      |
| 11487 KOCELOVICE               | 4928N    | 01350E    | 522       |           | 954.6        | 1014.3         | 17.4        |        | 13.7           |        | 9             | 94    |        | 4        | 253      | 110      |
| 11518 PRAHA/RUZYNE             | 5006N    | 01415E    | 380       |           | 972.0        | 1014.2         | 18.2        | 1.6    | 13.7           | -1     | 10            | 68    | -1     | 4        | 213      | 100      |
| 11520 PRAHA-LIBUS              | 5001N    | 01427E    | 303       |           | 978.9        | 1014.0         | 19.3        |        | 14.0           |        | 9             | 65    |        | 3        | 214      | 95       |
| 11603 LIBEREC                  | 5046N    | 01501E    | 405       |           | 967.4        | 1013.8         | 17.0        |        | 14.3           |        | 11            | 84    |        | 3        | 199      | 110      |
| 11659 PRIBYSLAV                | 4935N    | 01546E    | 536       |           | 952.9        | 1014.4         | 17.1        |        | 14.2           |        | 10            | 74    |        | 3        | 239      | 115      |
| 11723 BRNO/TURANY              | 4909N    | 01642E    | 246       |           | 985.6        | 1014.0         | 19.9        | 1.8    | 14.2           | .2     | 3             | 45    | -11    | 3        | 234      | 108      |
| 11782 OSTRAVA/MOSNOV           | 4941N    | 01807E    | 260       |           | 984.0        | 1014.2         | 18.5        | 1.3    | 14.8           | .4     | 7             | 103   | 12     | 4        | 240      | 118      |
| <b>SLOVAKIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 11826 PIESTANY                 | 4837N    | 01750E    | 164       |           | 995.5        | 1014.6         | 19.7        |        | 15.5           |        | 6             | 56    |        | 3        | 281      | 120      |
| 11858 HURBANOVO                | 4752N    | 01812E    | 124       |           | 999.9        | 1014.4         | 20.8        | 1.3    | 15.9           | .6     | 7             | 33    | -24    | 2        | 313      | 133      |
| 11903 SLIAC                    | 4839N    | 01909E    | 315       |           | 978.0        | 1014.3         | 19.3        | 2.0    | 14.9           | .7     | 7             | 24    | -45    | 1        | 286      | 136      |
| <b>11934 POPRAD/TATRY</b>      | 4904N    | 02015E    | 696       |           | 935.2        |                | 16.8        | 2.0    | 13.0           | .5     | 9             | 66    | -2     | 3        | 294      | 142      |
| <b>POLAND</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>12120 LEBA</b>              | 5445N    | 01732E    | 6         |           | 1009.5       | 1010.2         | 17.2        |        | 16.2           |        | 15            | 115   |        | 5        | 196      |          |
| 12160 ELBLAG                   | 5410N    | 01926E    | 43        |           | 1005.9       | 1010.9         | 17.7        |        | 15.4           |        | 17            | 156   |        | 5        | 184      | 85       |
| 12205 SZCZECIN                 | 5324N    | 01437E    | 7         |           | 1010.6       | 1011.4         | 18.4        | 1.2    | 15.3           | .4     | 8             | 52    | -3     | 3        | 169      | 80       |
| 12295 BIALYSTOK                | 5306N    | 02310E    | 151       |           | 994.1        | 1011.9         | 17.3        | 1.0    | 15.2           | .7     | 10            | 78    | 8      | 4        | 222      | 100      |
| 12330 POZNAN                   | 5225N    | 01651E    | 84        |           | 1001.8       | 1012.2         | 18.7        | 1.3    | 14.1           | .0     | 10            | 75    | 18     | 4        | 206      | 100      |
| 12375 WARSZAWA-OKECIE          | 5210N    | 02058E    | 106       |           | 1000.0       | 1012.5         | 18.7        | 1.4    | 15.3           | .7     | 8             | 87    | 25     | 5        | 304      | 140      |
| 12424 WROCLAW II               | 5106N    | 01653E    | 124       |           | 998.7        | 1013.4         | 18.8        | 1.6    | 14.5           | -3     | 9             | 75    | -3     | 4        | 222      | 113      |
| 12497 WLODAWA                  | 5133N    | 02332E    | 179       |           | 992.1        | 1013.1         | 18.8        |        | 15.0           |        | 6             | 59    |        | 3        | 270      | 115      |
| 12566 KRAKOW                   | 5005N    | 01948E    | 237       |           | 986.0        | 1013.9         | 18.4        | 1.5    | 15.4           | .5     | 7             | 42    | -45    | 1        |          |          |
| <b>HUNGARY</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 12843 BUDAPEST/PESTSZENTLORINC | 4726N    | 01911E    | 139       |           | 998.2        | 1014.5         | 21.8        | 1.6    | 14.1           | -1.0   | 4             | 38    | -13    | 2        | 341      | 134      |

# SURFACE

# AUGUST 2008

| 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. |
| 12882 DEBRECEN                | 4729N    | 02136E    | 109       |           | 1001.7       | 1014.3         | 21.5        | 1.9    | 16.5           | .5     | 6             | 20    | -41    | 1        | 343      | 131      |
| <b>12942 PECS/POGANY</b>      | 4600N    | 01814E    | 203       |           | 991.4        | 1015.0         | 21.9        | 1.8    | 14.7           | -.7    | 2             | 30    | -33    | 2        | 335      | 125      |
| 12982 SZEGED                  | 4615N    | 02006E    | 83        |           | 1004.7       | 1014.4         | 22.6        | 2.4    | 14.1           | -1.7   | 4             | 34    | -23    | 2        | 331      | 124      |
| <b>SLOVENIA</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 14008 KREDARICA               | 4623N    | 01351E    | 2515      |           | 753.8        | 3123 Z         | 7.5         |        | 9.0            |        | 12            | 264   |        | 4        | 172      | 100      |
| 14015 LJUBLJANA/BEZIGRAD      | 4604N    | 01431E    | 299       |           | 980.5        | 1014.6         | 20.7        |        | 17.6           |        | 7             | 176   |        | 4        | 284      | 125      |
| <b>CROATIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 14236 ZAGREB/GRIC             | 4549N    | 01559E    | 162       |           | 995.1        | 1013.8         | 22.3        |        | 16.9           |        | 12            | 58    |        | 2        | 261      | 95       |
| 14445 SPLIT/MARJAN            | 4331N    | 01626E    | 128       |           | 997.7        | 1012.2         | 27.0        |        | 17.1           |        | 4             | 20    |        | 3        | 348      | 100      |
| <b>BOSNIA AND HERZEGOVINA</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 14648 MOSTAR                  | 4321N    | 01748E    | 108       |           | 999.9        | 1012.1         | 27.7        |        | 18.0           |        | 1             | 6     |        | 1        | 361      | 120      |
| <b>14652 BJELASNICA</b>       | 4343N    | 01816E    | 2070      |           | 797.7        |                | 12.1        |        | 8.9            |        | 3             | 39    |        | 1        | 302      | 135      |
| 14654 SARAJEVO-BJELAVE        | 4352N    | 01826E    | 638       |           | 942.7        | 1014.1         | 20.6        | 2.1    | 17.8           | 4.0    | 4             | 41    | -29    | 2        | 270      | 113      |
| <b>ROMANIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 15023 SUCEAVA                 | 4738N    | 02615E    | 352       |           | 972.8        | 1012.9         | 20.0        |        | 15.9           |        | 6             | 72    |        | 4        | 300      | 120      |
| <b>15085 BISTRITA</b>         | 4709N    | 02431E    | 367       |           | 971.9        | 1014.2         | 20.0        | 2.4    | 15.8           | .2     | 4             | 19    | -49    | 1        | 330      | 128      |
| 15090 IASI                    | 4710N    | 02738E    | 104       |           | 1002.0       | 1014.1         | 22.0        | 2.1    | 16.7           | .5     | 6             | 59    | 3      | 4        | 310      | 115      |
| 15120 CLUJ-NAPOCA             | 4647N    | 02334E    | 414       |           | 967.1        | 1014.6         | 20.0        | 2.2    | 16.0           | .7     | 4             | 34    | -26    | 1        | 320      | 123      |
| 15247 TIMISOARA               | 4546N    | 02115E    | 88        |           | 1003.4       | 1013.3         | 22.6        | 2.2    | 14.9           | -1.5   | 4             | 25    | -25    | 2        | 275      | 98       |
| 15260 SIBIU                   | 4548N    | 02409E    | 444       |           | 963.1        | 1014.1         | 21.2        | 3.1    | 14.3           | -1.3   | 3             | 53    | -15    | 3        | 290      | 125      |
| <b>15280 VARFU OMU</b>        | 4527N    | 02527E    | 2509      |           | 755.7        |                | 8.3         | 3.0    | 9.1            | 1.2    | 4             | 32    | -82    | 1        | 225      | 136      |
| 15292 CARANSEBES              | 4525N    | 02215E    | 242       |           | 986.4        | 1013.7         | 21.9        |        | 14.4           |        | 4             | 24    |        | 1        | 314      | 120      |
| 15310 GALATI                  | 4529N    | 02802E    | 71        |           | 1005.6       | 1013.7         | 24.9        | 3.5    | 14.6           | -2.4   | 2             | 11    | -35    | 1        | 311      | 105      |
| 15350 BUZAU                   | 4509N    | 02649E    | 97        |           | 1002.3       | 1013.5         | 25.3        |        | 15.3           |        | 2             | 10    |        | 1        | 353      | 125      |
| <b>15360 SULINA</b>           | 4510N    | 02944E    | 9         |           | 1011.8       | 1013.2         | 24.2        | 2.3    | 20.4           | -.5    | 2             | 4     | -24    | 1        | 331      | 113      |
| 15420 BUCURESTI BANEASA       | 4430N    | 02608E    | 91        |           | 1002.5       | 1013.1         | 24.1        | 2.9    | 14.1           | -2.9   | 2             | 9     | -49    | 0        | 361      | 128      |
| 15450 CRAIOVA                 | 4419N    | 02352E    | 195       |           | 990.9        | 1013.3         | 24.3        | 3.0    | 14.3           | -2.9   |               | 6     | -40    | 0        | 359      | 124      |
| 15480 CONSTANTA               | 4413N    | 02839E    | 14        |           | 1003.7       | 1005.3         | 24.5        | 2.7    | 19.6           | -.1    | 1             | 2     | -31    | 0        | 344      | 111      |
| <b>BULGARIA</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 15502 VIDIN                   | 4359N    | 02251E    | 595       |           |              | 1013.0         | 23.5        |        | 18.0           |        | 2             | 12    |        | 2        | 359      | 125      |
| 15552 VARNA                   | 4312N    | 02757E    | 43        |           | 1008.4       | 1013.0         | 24.1        | 2.3    | 20.6           | 2.0    | 2             | 33    | 1      | 3        | 375      | 134      |
| 15614 SOFIA (OBSERV.)         | 4239N    | 02323E    | 595       |           | 946.3        | 1012.7         | 23.0        | 2.3    | 14.5           | .7     | 1             | 10    | -39    | 1        | 352      | 129      |
| 15730 KURDJALI                | 4139N    | 02523E    | 331       |           | 974.8        | 1011.8         | 24.6        |        | 14.2           |        | 1             | 3     |        | 1        | 320      | 105      |
| <b>ITALY</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 16008 S. VALENTINO ALLA MUTA  | 4645N    | 01032E    | 1461      |           | 854.6        | 1507 Y         | 14.6        |        | 12.4           |        | 9             | 43    | -47    | 1        |          |          |
| 16022 PAGANELLA               | 4609N    | 01102E    | 2129      |           | 789.5        | 1511 Y         | 10.9        |        | 11.3           |        | 9             | 69    | -24    | 2        | 247      |          |

# SURFACE

# AUGUST 2008

| 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. |
| 16033 DOBBIACO                 | 4644N    | 01213E    | 1226      |           | 879.8        | 1517 Y         | 16.3        |        | 14.2           |        | 9             | 121   | 20     | 4        |          |          |
| 16061 BRIC DELLA CROCE         | 4502N    | 00743E    | 710       |           | 932.7        |                | 21.4        |        | 18.8           |        | 7             | 66    | -7     | 3        | 242      | 112      |
| 16088 BRESCIA/GHEDI            | 4525N    | 01017E    | 97        |           |              |                | 20.9        |        | 13.6           |        | 4             | 14    | -70    | 1        |          |          |
| 16098 TREVISO/ISTRANA          | 4541N    | 01206E    | 42        |           | 1008.1       | 1013.0         | 24.7        |        | 21.8           |        | 7             | 78    | -10    | 3        |          |          |
| <b>16110 TRIESTE</b>           | 4539N    | 01345E    | 4         |           | 1012.3       | 1012.7         | 25.8        |        | 20.6           |        | 6             | 111   | 11     | 4        | 316      | 122      |
| <b>16134 MONTE CIMONE</b>      | 4411N    | 01042E    | 2173      |           | 786.8        | 1523 Y         | 12.1        |        | 10.4           |        | 2             | 15    | -59    | 6        | 280      | 131      |
| 16148 CERVIA                   | 4413N    | 01218E    | 10        |           | 1011.6       | 1012.8         | 25.5        |        | 24.2           |        | 0             | T     | -59    | 1        | 334      |          |
| 16153 CAPO MELE                | 4357N    | 00811E    | 221       |           | 988.0        | 1013.3         | 24.5        |        | 23.1           |        | 2             | 4     | -30    | 1        | 322      | 121      |
| 16158 PISA/S. GIUSTO           | 4341N    | 01023E    | 6         |           | 1012.8       | 1013.5         | 24.0        |        | 21.2           |        | 2             | 14    | -42    | 1        | 344      | 123      |
| 16179 FRONTONE                 | 4331N    | 01244E    | 574       |           | 947.7        |                | 23.7        |        | 11.4           |        | 2             | 53    | -39    | 5        |          |          |
| 16206 GROSSETO                 | 4244N    | 01103E    | 7         |           | 1012.4       | 1013.2         | 24.8        |        | 18.5           |        | 1             | 30    | -7     | 3        |          |          |
| 16219 MONTE TERMINILLO         | 4228N    | 01259E    | 1875      |           | 813.2        |                | 14.3        |        | 11.3           |        | 0             | T     | -73    | 1        |          |          |
| 16224 VIGNA DI VALLE           | 4205N    | 01213E    | 266       |           | 981.8        | 1012.0         | 25.2        |        | 21.0           |        | 1             | 3     | -43    | 1        | 355      | 117      |
| <b>16232 TERMOLI</b>           | 4200N    | 01500E    | 44        |           | 1007.4       | 1012.5         | 27.1        |        | 26.0           |        | 01            | 1     | -31    | 1        | 355      | 125      |
| 16245 PRATICA DI MARE          | 4139N    | 01227E    | 21        |           | 1010.7       | 1013.2         | 24.6        |        | 24.3           |        | 0             | T     | -29    | 1        |          |          |
| 16252 CAMPOBASSO               | 4134N    | 01439E    | 807       |           | 923.8        |                | 23.5        |        | 13.2           |        | 1             | 8     | -32    | 1        | 330      | 127      |
| 16253 GRAZZANISE               | 4103N    | 01404E    | 10        |           | 1012.3       | 1013.5         | 24.4        |        | 21.2           |        | 0             | T     | -47    | 1        | 335      | 120      |
| 16258 MONTE S. ANGELO          | 4142N    | 01557E    | 848       |           | 917.6        |                | 23.1        |        | 13.1           |        | 1             | 3     | -35    | 1        |          |          |
| 16280 PONZA                    | 4055N    | 01257E    | 185       |           | 991.5        | 1012.6         | 25.6        |        | 27.0           |        | 0             | T     | -25    | 1        | 349      |          |
| 16310 CAPO PALINURO            | 4001N    | 01516E    | 185       |           | 991.8        | 1012.8         | 26.0        |        | 25.1           |        | 0             | T     | -22    | 1        | 360      | 113      |
| 16325 MARINA DI GINOSA         | 4026N    | 01653E    | 12        |           | 1009.7       | 1011.1         | 27.6        |        | 23.2           |        | 1             | 3     | -18    | 2        |          |          |
| 16344 MONTE SCURO              | 3920N    | 01624E    | 1677      |           | 834.9        | 1525 Y         | 16.5        |        | 10.2           |        | 2             | 11    | -23    | 2        | 331      |          |
| 16360 S. MARIA DI LEUCA        | 3949N    | 01821E    | 112       |           | 998.8        | 1011.6         | 26.8        |        | 18.1           |        | 0             | T     | -21    | 1        | 374      |          |
| 16400 USTICA                   | 3842N    | 01311E    | 243       |           | 986.8        | 1014.3         | 27.0        |        | 25.9           |        | 0             | T     | -10    | 1        | 344      | 109      |
| 16420 MESSINA                  | 3812N    | 01533E    | 54        |           | 1006.6       | 1012.8         | 27.7        |        | 27.1           |        | 0             | T     | -24    | 1        | 324      | 106      |
| 16429 TRAPANI BIRGI            | 3755N    | 01230E    | 9         |           | 1012.7       | 1013.8         | 26.1        |        | 23.8           |        | 0             | T     | -8     | 2        | 355      | 111      |
| 16459 CATANIA SIGONELLA        | 3724N    | 01455E    | 29        |           | 1009.2       | 1012.6         | 26.6        |        | 22.1           |        | 0             | T     | -13    | 1        |          |          |
| 16480 COZZO SPADARO            | 3641N    | 01508E    | 51        |           | 1005.7       | 1011.5         | 27.7        |        | 25.2           |        | 0             | T     | -5     | 3        | 355      |          |
| 16522 CAPO CACCIA              | 4034N    | 00810E    | 204       |           | 991.4        | 1014.7         | 24.3        |        | 23.7           |        | 0             | T     |        | 1        | 360      | 110      |
| 16546 DECIMOMANNU              | 3921N    | 00858E    | 24        |           | 1010.9       | 1013.6         | 26.8        |        | 19.9           |        | 1             | 1     | -13    | 3        |          |          |
| <b>16550 CAPO BELLAVISTA</b>   | 3955N    | 00942E    | 150       |           | 996.7        | 1013.8         | 26.7        |        | 27.3           |        | 0             | T     | -12    | 1        | 354      |          |
| <b>MALTA</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>16597 LUQA</b>              | 3551N    | 01429E    | 91        |           | 1005.1       | 1013.4         | 26.9        | .6     | 23.2           | -5     | 0             | 0     | -7     | 4        | 360      | 105      |
| <b>GREECE</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 16622 THESSALONIKI (AIRPORT)   | 4031N    | 02258E    | 8         |           | 1011.7       | 1012.3         | 28.4        | 2.6    | 17.8           | -3     | 1             | 1     | -19    | 1        | 345      | 117      |
| <b>16641 KERKYRA (AIRPORT)</b> | 3937N    | 01955E    | 4         |           | 1009.8       | 1010.2         | 28.4        | 2.3    | 19.5           | -8     | 0             | 0     | -17    | 1        | 340      | 102      |
| 16648 LARISSA (AIRPORT)        | 3938N    | 02225E    | 74        |           | 1003.3       | 1011.7         | 28.1        | 2.1    | 15.5           | -6     | 2             | 7     | -8     | 2        | 344      | 108      |
| 16716 ATHINAI (AIRPORT)        | 3754N    | 02344E    | 28        |           | 1008.3       | 1010.0         | 30.0        | 2.4    | 16.9           | -6     | 1             | 2     | -6     | 3        | 358      | 105      |
| <b>16723 SAMOS (AIRPORT)</b>   | 3742N    | 02655E    | 7         |           | 1005.4       | 1006.2         | 30.8        | 3.1    | 20.7           | 3.8    | 0             | 0     | -1     | 0        | 376      | 110      |
| 16726 KALAMATA (AIRPORT)       | 3704N    | 02201E    | 8         |           | 1008.4       | 1009.7         | 27.3        | 1.1    | 20.9           | .6     | 1             | 2     | -8     | 1        | 351      | 104      |
| <b>16734 METHONI</b>           | 3650N    | 02142E    | 34        |           | 1002.5       | 1008.2         | 26.7        | 1.1    | 25.1           | 1.5    | 0             | 0     | -4     | 3        | 352      | 100      |
| <b>16746 SOUDA (AIRPORT)</b>   | 3529N    | 02407E    | 151       |           | 992.2        | 1009.4         | 27.4        | 1.6    | 19.3           | 1.3    | 0             | 0     | -1     | 0        | 370      | 103      |
| 16754 HERAKLION (AIRPORT)      | 3520N    | 02511E    | 39        |           | 1004.4       | 1008.9         | 26.9        | 1.0    | 24.1           | 4.5    | 0             | 0     | -1     | 4        | 347      | 100      |

## SURFACE

AUGUST 2008

| 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>TURKEY</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 17022 ZONGULDAK                    | 4127N    | 03148E    | 137       |           | 996.0        | 1011.5         | 23.2        | 1.9    | 20.9           | 2.6    | 1             | 3     | -78    | 1        | 150      | 50       |
| 17030 SAMSUN                       | 4117N    | 03618E    | 4         |           | 1011.0       | 1011.5         | 25.4        | 2.7    | 24.7           | 4.3    | 0             | T     | -34    | 1        | 266      | 115      |
| 17034 GIRE SUN                     | 4055N    | 03823E    | 37        |           | 1008.6       | 1013.0         | 24.1        | 1.7    | 21.6           | .7     | 8             | 39    | -51    | 1        |          |          |
| <b>17040 RIZE</b>                  | 4102N    | 04031E    | 9         |           | 1009.4       | 1010.4         | 25.0        | 2.8    | 25.0           | 3.6    | 9             | 120   | -62    | 2        | 117      | 75       |
| 17050 EDIRNE                       | 4140N    | 02634E    | 51        |           | 1006.7       | 1012.5         | 26.4        | 2.9    | 15.5           | -2     | 1             | 8     | -16    | 2        | 307      | 95       |
| <b>17062 ISTANBUL/GOZTEPE</b>      | 4058N    | 02905E    | 33        |           | 1009.5       | 1011.6         | 26.2        | 3.2    | 21.5           | 1.7    | 0             | T     | -26    | 1        | 313      | 100      |
| <b>17074 KASTAMONU</b>             | 4122N    | 03347E    | 800       |           | 921.9        | 1009.9         | 22.4        | 3.1    | 12.9           | .1     | 1             | 1     | -30    | 1        | 322      | 105      |
| 17084 CORUM                        | 4033N    | 03457E    | 776       |           | 923.5        | 1008.5         | 23.6        | 3.2    | 14.7           | 2.0    | 01            | 1     | -13    | 1        | 326      | 105      |
| <b>17090 SIVAS</b>                 | 3945N    | 03701E    | 1285      |           | 869.5        | 1006.2         | 22.0        | 2.5    | 14.3           | 3.3    | 2             | 7     | 0      | 4        | 348      | 95       |
| 17092 ERZINCAN                     | 3942N    | 03931E    | 1154      |           | 875.1        | 1003.5         | 25.3        | 2.1    | 12.9           | .9     | 3             | 15    | 8      | 4        | 266      | 75       |
| 17096 ERZURUM                      | 3957N    | 04110E    | 1758      |           | 822.9        | 1004.3         | 20.6        | 1.4    | 14.4           | 3.8    | 5             | 17    | -1     | 3        | 250      | 70       |
| 17098 KARS                         | 4033N    | 04305E    | 1795      |           | 820.0        | 1004.5         | 18.1        | 1.0    | 11.8           | -5     | 4             | 33    | -5     | 3        | 293      | 90       |
| 17112 CANAKKALE                    | 4008N    | 02624E    | 6         |           | 1011.0       | 1011.3         | 26.2        | 2.0    | 20.0           | .6     | 2             | 34    | 26     | 5        | 342      | 95       |
| 17116 BURSA                        | 4011N    | 02904E    | 100       |           | 998.7        | 1010.0         | 26.3        | 2.8    | 18.2           | 1.0    | 0             | T     | -20    | 2        | 315      | 95       |
| 17130 ANKARA/CENTRAL               | 3957N    | 03253E    | 891       |           | 910.9        | 1006.7         | 26.7        | 4.1    | 10.8           | -5     | 0             | T     | -12    | 1        | 311      | 85       |
| 17155 KUTAHYA                      | 3925N    | 02958E    | 969       |           | 903.4        | 1008.2         | 23.4        |        | 13.5           |        | 2             | 10    |        | 3        | 307      | 105      |
| <b>17170 VAN</b>                   | 3827N    | 04319E    | 1669      |           | 830.4        | 1001.2         | 23.9        | 2.7    | 11.0           | .1     | 3             | 7     | 0      | 5        | 302      | 80       |
| 17188 USAK                         | 3841N    | 02924E    | 919       |           | 907.0        | 1005.6         | 25.9        | 3.0    | 11.1           | -2.9   | 1             | 2     | -8     | 3        | 313      | 85       |
| 17190 AFYON                        | 3845N    | 03032E    | 1034      |           | 895.9        | 1006.6         | 24.8        | 3.4    | 10.8           | -9     | 2             | 8     | -3     | 3        | 355      | 105      |
| 17199 MALATYA/BOLGE                | 3821N    | 03819E    | 948       |           | 901.8        | 1002.0         | 29.2        |        | 12.4           |        | 01            | 1     |        | 4        | 330      | 85       |
| 17210 SIIRT                        | 3755N    | 04157E    | 896       |           | 906.4        | 1000.4         | 31.9        | 2.2    | 14.1           | 3.9    | 2             | 8     | 6      | 5        | 298      | 80       |
| 17220 IZMIR/GUZELYALI              | 3826N    | 02710E    | 29        |           | 1004.5       | 1007.2         | 29.2        | 2.3    | 17.9           | -6     | 0             | 0     | -3     | 4        | 343      | 90       |
| <b>17240 ISPARTA</b>               | 3745N    | 03033E    | 997       |           | 898.8        | 1005.5         | 25.4        | 2.8    | 12.2           | .2     | 1             | 36    | 28     | 5        | 349      | 100      |
| 17244 KONYA                        | 3758N    | 03233E    | 1032      |           | 895.3        | 1005.1         | 26.0        | 3.4    | 10.0           | -1.6   | 0             | 0     | -7     | 3        | 309      | 85       |
| 17250 NIGDE                        | 3758N    | 03441E    | 1210      |           | 877.0        | 1005.2         | 24.2        | 2.7    | 14.7           | 4.1    | 2             | 22    | 20     | 6        | 333      | 95       |
| 17255 KAHRAMANMARAS                | 3736N    | 03656E    | 572       |           | 940.4        | 1002.2         | 30.1        | 2.2    | 24.0           | 5.8    | 1             | 2     | 0      | 5        | 264      | 90       |
| 17270 SANLIURFA                    | 3708N    | 03846E    | 549       |           | 940.2        | 999.0          | 33.0        | 2.1    | 12.9           | .3     | 0             | 0     | -2     | 5        | 298      | 80       |
| 17280 DIYARBAKIR                   | 3753N    | 04012E    | 687       |           | 927.5        | 999.2          | 32.0        | 1.8    | 8.2            | -3.6   | 1             | 2     | 1      | 5        | 298      | 80       |
| 17285 HAKKARI                      | 3734N    | 04346E    | 1728      |           | 823.3        | 1000.0         | 25.8        | 1.6    | 11.2           | .6     | 1             | 1     | -2     | 4        | 307      | 90       |
| 17292 MUGLA                        | 3713N    | 02822E    | 646       |           | 934.8        | 1004.8         | 28.4        | 3.0    | 12.6           | -1.0   | 1             | 3     | -8     | 4        | 319      | 90       |
| 17300 ANTALYA                      | 3652N    | 03044E    | 64        |           | 993.4        | 1003.5         | 30.4        | 2.7    | 22.8           | 1.1    | 1             | 2     | 0      | 5        | 380      | 105      |
| 17340 MERSIN                       | 3648N    | 03438E    | 3         |           | 1003.3       | 1003.7         | 30.2        | 2.5    | 32.2           | 4.2    | 1             | 4     | 0      | 4        | 287      | 90       |
| 17351 ADANA/BOLGE                  | 3659N    | 03521E    | 27        |           | 1000.6       | 1003.6         | 29.8        |        | 32.9           |        | 1             | 10    |        | 5        | 269      | 80       |
| <b>CYPRUS</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 17609 LARNACA AIRPORT              | 3453N    | 03338E    | 2         |           | 1004.4       | 1004.7         | 28.8        | 2.2    | 29.5           |        | 01            | 1     | 1      |          | 356      | 97       |
| <b>RUSSIAN FEDERATION (EUROPE)</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 22113 MURMANSK                     | 6858N    | 03303E    | 51        |           | 1003.2       | 1009.4         | 9.0         | -1.8   | 9.8            | -4     | 13            | 57    | -21    | 3        | 121      | 79       |
| <b>22165 KANIN NOS</b>             | 6839N    | 04318E    | 49        |           | 1001.7       | 1007.7         | 7.9         | -5     | 9.7            | -2     | 13            | 56    | 9      | 4        | 66       | 51       |
| <b>22217 KANDALAKSHA</b>           | 6709N    | 03221E    | 25        |           | 1005.8       | 1008.8         | 10.6        | -1.3   | 10.4           | -7     | 11            | 98    | 36     | 5        | 115      | 62       |
| 22235 KRASNOSCELE                  | 6721N    | 03703E    | 156       |           | 989.5        | 1008.4         | 9.3         |        | 10.1           |        | 15            | 77    |        | 1        | 83       | 50       |

## SURFACE

AUGUST 2008

| 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. |
| 22471 MEZEN'                          | 6552N    | 04413E    | 19        |           | 1005.5       | 1007.4         | 10.4        |        | 11.0           |        | 17            | 68    |        | 3        | 95       | 50       |
| 22520 KEM'-PORT                       | 6459N    | 03448E    | 8         |           | 1007.1       | 1008.0         | 11.4        |        | 11.2           |        | 18            | 138   |        | 5        | 138      | 65       |
| <b>22550 ARHANGEL'SK</b>              | 6433N    | 04035E    | 4         |           | 1007.0       | 1008.0         | 11.6        | -1.6   | 12.1           | .1     | 14            | 103   | 39     | 5        | 103      | 51       |
| 22619 PADANY                          | 6316N    | 03325E    | 128       |           | 992.4        | 1007.8         | 12.4        |        | 12.2           |        | 14            | 77    |        | 3        | 144      |          |
| 22641 ONEGA                           | 6354N    | 03807E    | 13        |           | 1006.1       | 1007.6         | 12.3        | -1.4   | 12.4           | .0     | 16            | 115   | 39     | 5        | 104      | 48       |
| 22676 SURA                            | 6335N    | 04538E    | 62        |           | 999.7        | 1007.1         | 12.0        |        | 12.0           |        | 21            | 126   |        | 5        |          |          |
| 22768 SHENKURSK                       | 6206N    | 04254E    | 45        |           | 1002.2       | 1007.5         | 13.5        |        | 13.2           |        | 16            | 134   |        | 5        | 96       | 40       |
| <b>22802 SORTAVALA</b>                | 6143N    | 03043E    | 19        |           | 1006.1       | 1008.3         | 13.7        | -9     | 13.5           | .3     | 16            | 156   | 77     | 6        | 135      | 60       |
| 22820 PETROZAVODSK                    | 6149N    | 03416E    | 110       |           | 994.6        | 1007.9         | 13.2        | -8     | 12.9           | .1     | 15            | 179   | 96     | 5        | 144      | 66       |
| <b>22837 VYTEGRA</b>                  | 6101N    | 03627E    | 56        |           | 1001.2       | 1007.9         | 14.4        | -2     | 13.8           | .5     | 16            | 123   | 34     | 4        | 142      | 68       |
| <b>26063 ST.PETERSBURG (VOEJKOVO)</b> | 5958N    | 03018E    | 6         |           | 1007.5       | 1008.2         | 16.1        | -1     | 14.2           | .1     | 15            | 77    | -3     | 3        | 147      | 69       |
| 26157 GDOV                            | 5844N    | 02750E    | 40        |           | 1003.6       | 1008.4         | 15.8        |        | 15.4           |        | 22            | 180   |        |          | 159      |          |
| 26275 STARAYA RUSSA                   | 5801N    | 03119E    | 25        |           | 1005.9       | 1008.8         | 16.5        |        | 15.2           |        | 18            | 136   |        |          | 169      | 65       |
| 26359 PUSKINSKIE GORY                 | 5701N    | 02854E    | 108       |           | 996.6        | 1009.4         | 17.1        |        | 15.5           |        | 16            | 129   |        |          |          |          |
| <b>26781 SMOLENSK</b>                 | 5445N    | 03204E    | 239       |           | 983.2        | 1010.9         | 16.9        | 1.3    | 15.4           | 1.3    | 13            | 83    | 10     |          | 227      | 98       |
| 26997 TRUBCHEVSK                      | 5235N    | 03346E    | 178       |           | 991.9        | 1012.6         | 19.0        |        | 15.1           |        | 7             | 51    |        | 2        |          |          |
| 27037 VOLOGDA                         | 5919N    | 03955E    | 130       |           | 993.5        | 1008.8         | 15.1        | .4     | 14.3           | .8     | 11            | 48    | -23    | 2        | 167      | 77       |
| <b>27051 TOT'MA</b>                   | 5953N    | 04245E    | 134       |           | 992.7        | 1008.3         | 15.1        | .9     | 15.8           | 2.7    | 14            | 77    | 12     | 4        | 140      | 67       |
| 27333 KOSTROMA                        | 5744N    | 04047E    | 126       |           | 994.6        | 1009.5         | 16.2        | .5     | 15.6           | 1.9    | 13            | 80    | 9      | 4        | 150      | 66       |
| 27459 NIZHNIJ NOVGOROD                | 5616N    | 04400E    | 157       |           | 991.5        | 1009.8         | 18.1        |        | 15.6           |        | 11            | 126   |        | 5        | 238      | 100      |
| <b>27595 KAZAN'</b>                   | 5536N    | 04917E    | 116       |           | 996.7        | 1010.5         | 19.1        | 1.8    | 15.8           | 2.2    | 10            | 76    |        | 3        | 248      | 98       |
| <b>27612 MOSKVA</b>                   | 5550N    | 03737E    | 156       |           | 992.3        | 1010.6         | 17.5        | 1.1    | 16.8           | 2.9    | 9             | 115   | 39     |          |          |          |
| <b>27648 ELAT'MA</b>                  | 5457N    | 04146E    | 136       |           | 994.9        | 1010.7         | 18.3        | 1.6    | 15.9           | 1.8    | 8             | 77    | 15     | 4        | 244      | 100      |
| 27675 PORETSKOE                       | 5511N    | 04620E    | 136       |           | 994.6        | 1010.5         | 18.9        |        | 15.5           |        | 8             | 56    |        | 3        | 259      | 105      |
| 27707 SUHINICHI                       | 5406N    | 03521E    | 238       |           | 983.8        | 1011.5         | 17.9        |        | 15.9           |        | 10            | 77    |        |          |          |          |
| 27823 PAVELETS                        | 5347N    | 03915E    | 209       |           | 987.1        | 1011.4         | 19.1        | 2.2    | 14.6           | 1.1    | 9             | 75    | 18     | 4        | 264      | 110      |
| 27857 ZAMETCHINO                      | 5329N    | 04238E    | 131       |           | 996.3        | 1011.5         | 19.8        |        | 14.0           |        | 4             | 21    |        | 1        | 305      | 120      |
| 27995 SAMARA (BEZENCHUK)              | 5259N    | 04926E    | 46        |           | 1006.9       | 1012.2         | 21.0        |        | 19.6           |        | 3             | 8     |        | 1        | 325      | 120      |
| 34110 BOGORODITSKOE-FENINO            | 5110N    | 03721E    | 226       |           | 986.6        | 1012.8         | 20.2        |        | 13.2           |        | 5             | 35    |        | 1        | 302      |          |
| 34123 VORONEZ                         | 5142N    | 03913E    | 149       |           | 995.4        | 1012.6         | 21.1        |        | 14.2           |        | 6             | 30    |        | 2        |          |          |
| 34152 BALASHOV                        | 5133N    | 04309E    | 159       |           | 994.2        | 1012.6         | 21.3        |        | 12.5           |        | 2             | 5     |        | 1        |          |          |
| <b>34163 OKTJABR'SKIJ GORODOK</b>     | 5138N    | 04527E    | 201       |           | 989.5        | 1012.7         | 20.8        |        | 12.5           |        | 3             | 10    |        | 1        | 327      | 118      |
| 34186 ERSHOV                          | 5122N    | 04818E    | 111       |           | 1000.0       | 1012.8         | 22.5        |        | 16.0           |        | 3             | 18    |        | 2        | 343      | 115      |
| 34579 VERHNIJ BASKUNCHAK              | 4813N    | 04644E    | 34        |           | 1009.0       | 1012.8         | 25.8        |        | 12.2           |        | 2             | 3     |        | 1        |          |          |
| 34720 TAGANROG                        | 4712N    | 03854E    | 32        |           | 1008.6       | 1012.3         | 25.9        |        | 15.4           |        | 0             | T     |        |          | 336      |          |
| 34740 GIGANT                          | 4631N    | 04121E    | 79        |           | 1002.7       | 1011.7         | 26.0        |        | 13.9           |        | 1             | 3     |        |          | 331      |          |
| <b>34866 YASHKUL'</b>                 | 4611N    | 04521E    | -7        |           | 1013.3       | 1012.5         | 26.7        | 2.7    | 17.4           | 2.6    | 4             | 20    | 0      |          |          |          |
| 34927 KRASNODAR-KRUGLIK               | 4503N    | 03902E    | 29        |           | 1007.7       | 1011.0         | 26.5        |        | 16.9           |        | 01            | 1     |        | 1        | 354      | 125      |
| 34949 STAVROPOL'                      | 4507N    | 04205E    | 452       |           | 960.3        | 1010.9         | 24.2        |        | 14.4           |        | 2             | 7     |        |          | 308      |          |
| 37001 ANAPA                           | 4453N    | 03717E    | 32        |           | 1007.6       | 1011.4         | 26.6        |        | 21.5           |        | 0             | T     |        |          |          |          |
| 37061 BUDENNOVSK                      | 4447N    | 04408E    | 136       |           | 995.5        | 1010.9         | 26.2        |        | 16.2           |        | 2             | 10    |        |          | 320      |          |
| 37107 KRASNAYA POLYANA                | 4341N    | 04012E    | 569       |           | 947.1        | 1010.6         | 21.9        |        | 20.3           |        | 9             | 51    |        |          | 268      |          |
| 37126 SHADZHATMAZ                     | 4344N    | 04240E    | 2056      |           | 796.9        | 1509 Y         | 13.1        |        | 11.8           |        | 10            | 37    |        |          | 209      |          |
| 37228 VLADIKAVKAZ                     | 4303N    | 04439E    | 703       |           | 932.5        | 1010.1         | 22.3        |        | 17.9           |        | 5             | 28    |        |          | 216      |          |
| 37470 DERBENT                         | 4204N    | 04818E    | -18       |           | 1013.2       | 1011.0         | 26.4        |        | 25.9           |        | 1             | 9     |        | 1        | 240      | 125      |
| 37472 MAHACHKALA                      | 4250N    | 04733E    | 32        |           | 1010.6       | 1012.7         | 25.8        | 1.8    | 23.2           | 3.0    | 3             | 20    | -4     | 3        | 251      | 93       |

# SURFACE

# AUGUST 2008

| 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. |
| 37663 AH TY                   | 4128N    | 04745E    | 1015      |           | 900.2        | 1491 Y         | 20.8        |        | 15.9           |        | 6             | 50    |        | 4        | 233      | 90       |
| <b>ARMENIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 37789 YEREVAN/YEREVAN-ARABKIR | 4008N    | 04428E    | 1140      |           | 886.4        | 1482 Y         | 26.5        | 1.3    | 20.0           |        | 2             | 13    | 6      | 4        | 279      | 84       |
| <b>AZERBAIJAN</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 37661 SHAKI                   | 4113N    | 04710E    | 641       |           | 940.0        | 1010.6         | 25.3        | 2.4    | 18.3           | 1.8    | 3             | 53    | -4     |          |          |          |
| 37735 GANDJA                  | 4043N    | 04625E    | 311       |           | 965.2        | 999.9          | 26.7        | 2.4    | 20.1           | 3.1    | 1             | 18    | 0      |          | 259      |          |
| 37860 MASHTAGA                | 4032N    | 05000E    | 28        |           | 1007.2       | 1010.2         | 27.0        | 3.1    | 27.1           |        | 00            | 0     | -7     | 2        | 289      | 102      |
| <b>37989 ASTARA</b>           | 3827N    | 04853E    | -22       |           | 1013.8       | 1011.3         | 26.7        | 3.4    | 28.9           |        | 1             | 5     | -59    |          | 304      | 123      |
| <b>BELARUS</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 26554 VERHNEDVINSK            | 5549N    | 02757E    | 132       |           | 994.4        | 1009.8         | 17.3        |        | 15.1           |        | 11            | 65    |        | 3        | 225      |          |
| 26666 VITEBSK                 | 5510N    | 03013E    | 176       |           | 990.2        | 1010.5         | 18.3        | 2.4    | 14.8           | .9     | 11            | 95    | 22     | 4        |          |          |
| 26825 GRODNO                  | 5336N    | 02403E    | 134       |           | 994.2        | 1011.5         | 17.9        |        | 14.9           |        | 10            | 67    |        | 3        |          |          |
| 26850 MINSK                   | 5356N    | 02738E    | 231       |           | 987.1        | 1011.3         | 18.3        | 1.8    | 14.2           | .7     | 9             | 63    | -9     | 2        | 222      | 94       |
| 26863 MOGILEV                 | 5357N    | 03004E    | 192       |           | 989.0        | 1011.3         | 18.2        | 1.9    | 14.3           | .5     | 7             | 46    | -20    | 2        |          |          |
| 26941 BARANOVICHI             | 5307N    | 02600E    | 193       |           | 989.6        | 1012.1         | 18.4        |        | 14.7           |        | 6             | 58    |        | 3        |          |          |
| 26951 SLUTSK                  | 5302N    | 02733E    | 162       |           | 993.2        | 1012.1         | 18.3        |        | 15.5           |        | 9             | 152   |        | 6        |          |          |
| 33008 BREST                   | 5207N    | 02341E    | 146       |           | 995.9        | 1012.8         | 19.4        | 2.0    | 14.8           | .6     | 8             | 53    | -23    | 2        | 271      | 112      |
| 33019 PINSK                   | 5207N    | 02607E    | 142       |           | 996.3        | 1012.8         | 18.8        |        | 16.3           |        | 8             | 88    |        | 5        | 262      | 105      |
| 33036 MOZYR                   | 5157N    | 02910E    | 190       |           | 990.8        | 1012.6         | 19.4        |        | 14.9           |        | 11            | 44    |        | 2        |          |          |
| <b>33038 VASILEVICHI</b>      | 5215N    | 02950E    | 142       |           | 996.1        | 1012.6         | 19.1        | 1.9    | 15.3           | .9     | 7             | 58    | -13    | 2        | 278      | 112      |
| 33041 GOMEL                   | 5224N    | 03057E    | 126       |           | 997.6        | 1012.3         | 20.2        | 2.7    | 14.8           | .6     | 9             | 73    | 14     | 4        | 278      | 113      |
| <b>ESTONIA</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 26038 TALLINN                 | 5923N    | 02435E    | 34        |           | 1003.3       | 1007.3         | 15.4        | .1     | 14.9           | .9     | 15            | 126   | 42     | 4        | 126      | 55       |
| 26214 VILSANDI                | 5823N    | 02149E    | 6         |           | 1006.6       | 1007.3         | 17.0        | .8     | 16.3           | 1.4    | 21            | 152   | 90     | 5        | 178      | 71       |
| <b>26242 TARTU</b>            | 5818N    | 02644E    | 68        |           | 999.6        | 1007.9         | 16.2        | .9     | 15.5           | 1.7    | 21            | 204   | 118    | 5        | 147      | 68       |
| <b>KAZAKHSTAN</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 34398 ZHALPAKTAL              | 4940N    | 04929E    | 10        |           | 1011.6       | 1012.8         | 25.0        | 3.1    | 11.4           | -8     | 2             | 7     | -20    |          | 365      | 131      |
| 34691 NOVYJ USHTOGAN          | 4754N    | 04848E    | -10       |           | 1013.8       | 1012.6         | 26.2        |        | 14.3           |        | 1             | 15    |        |          |          |          |
| <b>LATVIA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 26346 ALUKSNE                 | 5726N    | 02702E    | 193       |           | 985.1        | 1008.4         | 15.9        |        | 15.3           |        | 20            | 195   |        |          | 169      | 75       |
| <b>26406 LIEPAJA</b>          | 5629N    | 02101E    | 7         |           | 1008.3       | 1008.9         | 17.2        | .8     | 16.3           | 2.3    | 19            | 155   | 75     |          | 175      | 71       |
| 26544 DAUGAVPILS              | 5552N    | 02637E    | 122       |           | 995.1        | 1009.7         | 17.5        | 1.6    | 14.2           | 1.2    | 14            | 69    | -5     |          | 201      | 89       |
| <b>LITHUANIA</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 26509 KLAIPEDA                | 5544N    | 02104E    | 7         |           | 1008.5       | 1009.4         | 17.9        | 1.1    | 16.9           | 1.9    | 18            | 139   | 56     | 5        | 181      | 72       |



# SURFACE

# AUGUST 2008

| 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. |
| 26524 SIAULIAI              | 5556N    | 02319E    | 107       |           | 996.6        | 1009.1         | 17.4        | 1.3    | 15.1           | 1.1    | 17            | 125   | 48     | 5        | 196      | 81       |
| 26629 KAUNAS                | 5453N    | 02350E    | 77        |           | 1001.5       | 1010.6         | 17.9        | 1.5    | 15.6           | 1.4    | 14            | 99    | 21     | 4        | 242      | 102      |
| 26730 VILNIUS               | 5438N    | 02506E    | 162       |           | 992.6        | 1010.8         | 17.6        | 1.3    | 14.5           | .8     | 12            | 55    | -17    | 2        | 212      | 98       |
| <b>REPUBLIC OF MOLDOVA</b>  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 33748 CORNESTI              | 4720N    | 02805E    | 232       |           | 986.6        | 1013.4         | 22.2        |        | 15.9           |        | 3             | 32    |        | 2        |          |          |
| 33815 CHISINAU              | 4701N    | 02859E    | 173       |           | 993.9        | 1013.2         | 23.7        | 3.2    | 14.8           | .2     | 5             | 31    | -14    | 2        | 352      | 119      |
| 33829 TIRASPOL              | 4654N    | 02936E    | 40        |           | 1008.6       | 1013.3         | 23.4        |        | 15.8           |        | 4             | 10    |        | 1        | 330      | 110      |
| 33883 KOMRAT                | 4618N    | 02838E    | 133       |           |              | 1011.3         | 23.9        |        | 15.3           |        | 5             | 15    |        | 1        |          |          |
| <b>UKRAINE</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 33177 VOLODYMYR-VOLYNS'KYI  | 5050N    | 02419E    | 194       |           | 991.0        | 1013.7         | 19.1        |        | 15.4           |        | 9             | 68    |        | 4        |          |          |
| 33275 SUMY                  | 5051N    | 03440E    | 181       |           | 991.7        | 1012.9         | 20.3        | 2.1    | 14.4           |        | 4             | 31    | -31    | 1        |          |          |
| 33301 RIVNE                 | 5035N    | 02608E    | 231       |           | 987.0        | 1013.8         | 19.5        | 2.3    | 15.5           |        | 6             | 65    | 2      | 4        |          |          |
| 33345 KIEV                  | 5024N    | 03034E    | 167       |           | 994.0        | 1013.3         | 21.6        | 3.0    | 14.7           | -2     | 3             | 27    | -42    | 1        |          |          |
| <b>33377 LUBNY</b>          | 5000N    | 03301E    | 158       |           | 995.1        | 1013.3         | 21.2        | 2.3    | 14.1           |        | 3             | 14    | -48    | 1        |          |          |
| 33393 L'VIV                 | 4949N    | 02357E    | 323       |           | 977.0        | 1014.3         | 18.6        | 1.8    | 15.7           | 1.2    | 7             | 115   | 39     | 5        | 270      | 122      |
| 33415 TERNOPIL'             | 4932N    | 02540E    | 329       |           | 976.5        | 1014.4         | 19.0        | 2.2    | 15.5           |        | 6             | 34    | -29    | 1        |          |          |
| 33429 KHMEL'NYTS'KYI        | 4926N    | 02659E    | 350       |           | 974.2        | 1014.4         | 19.4        | 2.0    | 15.7           |        | 6             | 69    | 0      | 3        |          |          |
| 33506 POLTAVA               | 4936N    | 03433E    | 160       |           | 994.7        | 1013.2         | 22.1        | 2.7    | 13.4           | -6     | 2             | 28    | -18    | 2        |          |          |
| 33526 IVANO-FRANKIVS'K      | 4858N    | 02424E    | 280       |           | 982.1        | 1014.4         | 19.4        | 2.1    | 16.8           |        | 8             | 51    | -30    | 2        |          |          |
| 33562 VINNYTSIA             | 4914N    | 02836E    | 298       |           | 979.7        | 1013.8         | 20.2        | 2.6    | 15.1           | .7     | 5             | 48    | -19    | 2        | 310      | 119      |
| <b>33587 UMAN'</b>          | 4846N    | 03014E    | 216       |           | 989.0        | 1013.9         | 21.5        | 3.3    | 14.3           | -4     | 4             | 27    | -32    | 2        |          |          |
| 33631 UZHGOROD              | 4838N    | 02216E    | 124       |           | 1000.6       | 1014.2         | 20.7        | 1.3    | 17.3           | 2.1    | 8             | 117   | 46     | 5        | 328      | 130      |
| 33658 CHERNIVTSI            | 4822N    | 02554E    | 246       |           | 986.1        | 1014.5         | 20.5        | 2.5    | 17.0           | 2.0    | 6             | 45    | -16    | 3        | 306      | 124      |
| 33711 KIROVOHRAD            | 4831N    | 03212E    | 171       |           | 993.7        | 1013.5         | 21.8        | 2.4    | 13.9           |        | 3             | 23    | -25    | 2        |          |          |
| 33777 VOZNESENS'K           | 4734N    | 03120E    | 34        |           | 1009.5       | 1013.4         | 24.1        |        | 14.6           |        | 2             | 9     |        | 1        |          |          |
| 33791 KRYVYI RIH            | 4802N    | 03313E    | 124       |           | 998.9        | 1013.2         | 23.1        | 2.6    | 13.9           |        | 3             | 12    | -30    | 1        | 334      | 115      |
| 33837 ODESA                 | 4626N    | 03046E    | 42        |           | 1008.5       | 1013.4         | 24.0        | 2.8    | 17.0           | .9     | 3             | 6     | -28    | 1        | 352      | 117      |
| 33889 IZMAIL                | 4522N    | 02851E    | 30        |           | 1010.2       | 1013.7         | 24.2        | 3.0    | 16.5           | .4     | 2             | 54    | 16     | 1        | 358      | 125      |
| 33902 KHERSON               | 4638N    | 03234E    | 54        |           | 1006.2       | 1012.4         | 24.3        | 3.0    | 15.3           |        | 0             | T     | -38    | 0        | 350      | 115      |
| <b>33915 ASKANIIA-NOVA</b>  | 4627N    | 03353E    | 30        |           | 1009.1       | 1012.5         | 24.7        | 3.1    | 14.2           | -1     | 2             | 13    | -22    | 2        | 347      | 116      |
| 33946 SIMFEROPOL'           | 4441N    | 03408E    | 181       |           | 991.5        | 1012.1         | 24.1        | 3.1    | 15.1           | .0     | 1             | 10    | -31    | 1        | 373      | 118      |
| <b>33998 AI-PETRI</b>       | 4426N    | 03405E    | 1180      |           | 883.4        |                | 18.1        | 3.4    | 12.2           |        | 1             | 1     | -55    | 0        | 367      | 115      |
| 34300 KHARKIV               | 4958N    | 03608E    | 155       |           | 995.1        | 1013.0         | 22.3        | 2.8    | 12.4           | -1.6   | 2             | 30    | -20    | 2        | 344      | 139      |
| 34415 IZIUM                 | 4911N    | 03718E    | 78        |           | 1003.8       | 1012.9         | 21.7        |        | 14.4           |        | 3             | 34    |        | 2        |          |          |
| 34504 DNIPROPETROVS'K       | 4836N    | 03458E    | 143       |           | 996.3        | 1012.7         | 23.7        | 3.1    | 14.0           |        | 2             | 18    | -19    | 2        | 322      | 110      |
| 34519 DONETS'K              | 4804N    | 03746E    | 225       |           | 986.9        | 1012.8         | 23.2        | 3.1    | 12.2           |        | 3             | 11    | -30    | 2        |          |          |
| 34523 LUHANS'K              | 4834N    | 03915E    | 62        |           | 1005.5       | 1012.7         | 23.5        | 2.9    | 14.3           |        | 2             | 5     | -34    | 1        | 354      | 125      |
| 34712 MARIUPOL'             | 4702N    | 03730E    | 70        |           | 1004.2       | 1012.2         | 24.2        |        | 18.1           |        | 1             | 5     |        | 1        |          |          |
| <b>SYRIAN ARAB REPUBLIC</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>40001 KAMISHLI</b>       | 3703N    | 04113E    | 455       |           | 949.9        | 998.3          | 32.6        | 1.1    | 8.7            | -1.1   | 0             | 0     | 0      |          |          |          |
| 40007 ALEPPO INT. AEROPORT  | 3611N    | 03712E    | 393       |           | 959.2        | 1001.1         | 30.7        | 2.6    | 18.0           | 1.2    | 1             | 1     | 1      |          |          |          |

# SURFACE

# AUGUST 2008

| 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>40022 LATTAKIA</b>             | 3532N    | 03546E    | 7         |           | 1003.7       | 1004.5         | 28.5        | 1.5    | 29.6           | 3.7    | 1             | 6     | 4      |          | 266      | 84       |
| 40030 HAMA                        | 3507N    | 03645E    | 303       |           | 969.0        | 1002.8         | 30.3        | 2.4    | 20.0           | 5.2    | 0             | 0     | -1     |          |          |          |
| 40045 DEIR EZZOR                  | 3519N    | 04009E    | 215       |           |              |                | 33.4        | 1.7    | 13.8           | 2.1    | 0             | 0     | 0      |          |          |          |
| <b>40061 PALMYRA</b>              | 3433N    | 03818E    | 408       |           | 957.0        | 1001.0         | 31.2        | 2.2    | 15.7           | 1.7    | 0             | T     | T      |          | 320      | 88       |
| 40080 DAMASCUS INT. AIRPORT       | 3325N    | 03631E    | 609       |           | 936.4        | 1002.4         | 28.4        | 2.4    | 16.5           | 2.4    | 0             | 0     | 0      |          | 285      | 81       |
| <b>ISRAEL</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 40179 BET DAGAN                   | 3200N    | 03449E    | 35        |           | 1002.5       | 1006.7         | 27.7        | 2.1    | 25.5           |        | 0             | 0     |        | 5        | 324      | 91       |
| 40180 BEN-GURION INT. AIRPORT     | 3200N    | 03454E    | 49        |           | 1002.2       | 1006.1         | 28.0        |        | 24.4           |        | 0             | 0     |        | 5        |          |          |
| <b>40199 EILAT</b>                | 2933N    | 03457E    | 12        |           | 1002.8       | 1003.2         | 34.7        | 2.4    | 14.6           |        | 0             | 0     |        | 5        | 218      | 60       |
| <b>JORDAN</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 40250 H-4 'IRWAISHED'             | 3230N    | 03812E    | 683       |           | 927.7        | 1001.0         | 30.3        | -2.0   | 16.0           |        | 0             | 0     |        | 5        | 331      | 90       |
| 40265 MAFRAQ                      | 3222N    | 03615E    | 683       |           | 931.2        | 1006.1         | 26.3        |        | 19.3           |        | 0             | 0     |        | 5        | 335      | 90       |
| 40296 GHOR SAFI                   | 3102N    | 03528E    | -350      |           | 1045.3       | 1005.6         | 35.3        |        | 24.8           |        | 0             | 0     |        |          | 337      | 95       |
| 40310 MA'AN                       | 3010N    | 03547E    | 1069      |           | 889.2        | 1466 Y         | 27.1        | 1.5    | 12.2           | .2     | 0             | 0     | 0      | 5        | 337      | 92       |
| <b>ASIA</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>RUSSIAN FEDERATION (ASIA)</b>  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>20069 OSTROV VIZE</b>          | 7930N    | 07659E    | 10        |           | 1006.4       | 1007.6         | 1.7         | 1.9    | 6.6            | .9     | 8             | 42    | 14     | 5        | 88       | 117      |
| <b>20087 OSTROV GOLOMJANNYJ</b>   | 7933N    | 09037E    | 8         |           | 1007.8       | 1008.8         | .6          |        | 6.2            |        | 5             | 32    |        | 4        | 89       | 80       |
| <b>20292 GMO IM.E.K. FEDOROVA</b> | 7743N    | 10410E    | 15        |           | 1009.9       | 1011.0         | 2.2         | 1.7    | 6.6            | .6     | 2             | 7     | -23    | 0        | 108      | 114      |
| 20476 MYS STERLEGOVA              | 7525N    | 08854E    | 11        |           | 1007.0       | 1008.4         | 6.2         |        | 8.4            |        | 8             | 20    |        |          |          |          |
| <b>20667 IM. M.V. POPOVA</b>      | 7320N    | 07003E    | 7         |           | 1005.5       | 1006.2         | 7.5         |        | 9.1            |        | 6             | 36    |        |          |          |          |
| <b>20674 OSTROV DIKSON</b>        | 7330N    | 08024E    | 47        |           | 1000.9       | 1006.4         | 7.8         | 3.5    | 9.2            | 1.4    | 7             | 20    | -23    | 1        | 174      | 126      |
| <b>20744 MALYE KARMAKULY</b>      | 7222N    | 05242E    | 15        |           | 1005.0       | 1006.7         | 7.0         | .5     | 8.5            | .4     | 10            | 27    | -22    |          | 81       | 57       |
| <b>20891 HATANGA</b>              | 7159N    | 10220E    | 33        |           | 1002.9       | 1006.9         | 10.3        | 1.2    | 10.1           | 1.2    | 8             | 32    | 0      | 4        | 148      | 76       |
| 20982 VOLOCHANKA                  | 7058N    | 09430E    | 40        |           | 1001.3       | 1006.1         | 10.1        |        | 9.9            |        | 10            | 39    |        | 3        | 146      |          |
| <b>21432 OSTROV KOTEL'NYJ</b>     | 7600N    | 13750E    | 8         |           | 1010.4       | 1012.2         | 5.2         | 3.4    | 8.3            | 1.9    | 1             | 7     | -19    |          | 217      | 217      |
| 21802 SASKYLAH                    | 7158N    | 11400E    | 18        |           | 1005.8       | 1008.1         | 10.2        |        | 10.3           |        | 7             | 62    |        |          | 129      |          |
| 21908 DZALINDA                    | 7008N    | 11350E    | 62        |           | 999.3        | 1006.7         | 11.3        |        | 10.5           |        | 16            | 70    |        |          | 139      | 65       |
| <b>21921 KJUSJUR</b>              | 7041N    | 12720E    | 33        |           | 1003.5       | 1007.5         | 14.1        |        | 11.9           |        | 9             | 50    |        |          |          |          |
| <b>21931 JUBILEJNAJA</b>          | 7046N    | 13610E    | 24        |           | 1005.8       | 1008.7         | 13.9        |        | 1.5            |        | 6             | 29    |        |          | 321      | 180      |
| <b>21946 CHOKURDAH</b>            | 7037N    | 14750E    | 61        |           | 1004.3       | 1011.6         | 12.9        | 6.1    | 11.2           | 3.0    | 1             | 3     | -30    |          | 357      | 222      |
| <b>21982 OSTROV VRANGELJA</b>     | 7059N    | 17820E    | 5         |           | 1015.4       | 1016.0         | 2.6         | .4     | 6.5            | .0     |               | 3     | -25    |          | 179      | 143      |
| 23022 AMDERMA                     | 6945N    | 06142E    | 49        |           | 1000.3       | 1006.1         | 8.4         |        | 9.6            |        | 8             | 51    |        |          | 110      |          |
| 23032 MARESALE                    | 6943N    | 06648E    | 25        |           | 1002.2       | 1005.1         | 8.1         |        | 10.2           |        | 4             | 41    |        |          | 100      | 90       |
| 23058 ANTIPAJUTA                  | 6905N    | 07651E    | 3         |           | 1004.0       | 1004.4         | 11.0        |        | 10.6           |        | 10            | 39    |        |          |          |          |
| <b>23074 DUDINKA</b>              | 6924N    | 08610E    | 19        |           | 1002.5       | 1004.8         | 11.2        | .5     | 9.8            | -3     | 7             | 66    | 13     | 4        | 204      | 104      |
| <b>23205 NAR'JAN-MAR</b>          | 6738N    | 05302E    | 12        |           | 1005.0       | 1006.4         | 9.7         | -6     | 10.1           | -4     | 10            | 41    | -21    | 1        | 121      | 76       |
| 23242 NOVYJ PORT                  | 6741N    | 07253E    | 12        |           | 1002.8       | 1004.3         | 11.0        |        | 11.2           |        | 13            | 56    |        |          | 116      | 110      |

# SURFACE

# AUGUST 2008

| 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. |
| 23256 TAZOVSKOE                 | 6728N    | 07844E    | 8         |           | 1001.7       | 1005.0         | 11.5        |        | 11.1           |        | 13            | 49    |        |          | 180      |          |
| 23274 IGARKA                    | 6728N    | 08634E    | 31        |           | 1001.3       | 1004.9         | 12.1        |        | 11.1           |        | 9             | 44    |        | 2        | 150      | 70       |
| 23324 PETRUN'                   | 6626N    | 06046E    | 62        |           | 999.3        | 1006.7         | 10.3        |        | 10.3           |        | 11            | 61    |        | 3        | 116      | 60       |
| <b>23330 SALEHARD</b>           | 6632N    | 06640E    | 16        |           | 1003.2       | 1005.2         | 11.2        | .4     | 10.8           | .4     | 9             | 91    | 30     |          | 134      | 72       |
| 23383 AGATA                     | 6653N    | 09328E    | 278       |           | 972.1        | 1005.1         | 10.4        |        | 10.3           |        | 16            | 96    |        | 5        |          |          |
| <b>23405 UST'-CIL'MA</b>        | 6526N    | 05216E    | 68        |           | 997.8        | 1007.5         | 10.3        | -1.5   | 10.8           | -4     | 14            | 75    | 6      | 4        | 139      | 78       |
| 23445 NADYM                     | 6528N    | 07240E    | 19        |           | 1001.8       | 1005.0         | 12.8        |        | 11.7           |        | 11            | 70    |        | 6        | 144      | 70       |
| 23463 YANOV-STAN                | 6559N    | 08416E    | 40        |           |              |                | 11.4        |        | 11.0           |        | 8             | 46    |        | 1        |          |          |
| <b>23472 TURUHANSK</b>          | 6547N    | 08756E    | 38        |           | 1000.5       | 1005.0         | 12.1        | -5     | 10.8           | -5     | 13            | 94    | 26     | 5        | 171      | 86       |
| <b>23552 TARKO-SALE</b>         | 6455N    | 07749E    | 27        |           | 1001.8       | 1005.0         | 12.8        | .7     | 11.7           | .7     | 11            | 70    | 6      | 6        | 144      | 77       |
| <b>23631 BEREZOVO</b>           | 6356N    | 06503E    | 32        |           | 1002.0       | 1005.9         | 11.9        | -6     | 11.4           | -1     | 14            | 102   | 29     | 5        | 153      | 73       |
| 23662 TOL'KA                    | 6359N    | 08205E    | 33        |           | 1001.7       | 1005.6         | 12.3        |        | 11.0           |        | 14            | 78    |        |          | 201      |          |
| 23678 VERHNEIMBATSK             | 6309N    | 08757E    | 46        |           | 1000.3       | 1005.7         | 12.8        |        | 12.2           |        | 14            | 93    |        | 4        |          |          |
| <b>23711 TROICKO-PECHERSKOE</b> | 6242N    | 05612E    | 139       |           | 990.8        | 1007.3         | 12.0        | -4     | 11.9           | .2     | 21            | 189   | 112    | 5        | 135      | 69       |
| <b>23724 NJAKSIMVOL'</b>        | 6226N    | 06052E    | 51        |           | 1000.4       | 1006.8         | 12.2        | -6     | 11.5           | -1     | 22            | 151   | 75     |          | 153      | 71       |
| 23734 OKTJABR'SKOE              | 6227N    | 06603E    | 72        |           | 997.5        | 1005.5         | 12.5        |        | 12.3           |        | 15            | 122   |        |          | 158      |          |
| 23867 LAR' YAK                  | 6106N    | 08015E    | 57        |           | 1000.1       | 1006.8         | 13.5        |        | 12.3           |        | 13            | 69    |        |          | 201      |          |
| <b>23884 BOR</b>                | 6136N    | 09001E    | 58        |           | 999.4        | 1006.3         | 13.4        | -5     | 12.8           | .7     | 13            | 120   | 53     | 5        | 169      | 82       |
| <b>23891 BAJKIT</b>             | 6140N    | 09622E    | 262       |           | 976.6        |                | 12.7        | .0     | 11.9           | .8     | 12            | 97    | 14     | 3        | 152      | 82       |
| <b>23914 CHERDYN'</b>           | 6024N    | 05631E    | 207       |           | 982.9        | 1007.3         | 14.2        | .5     | 13.5           | 1.5    | 20            | 111   | 39     | 5        | 185      | 82       |
| 23921 IVDEL'                    | 6041N    | 06027E    | 95        |           | 995.6        | 1006.8         | 14.0        | .5     | 13.0           | 1.5    | 18            | 124   | 49     | 5        | 180      | 85       |
| <b>23933 HANTY-MANSIJSK</b>     | 6101N    | 06902E    | 46        |           | 1000.3       | 1006.4         | 13.7        | -1     | 12.9           | .4     | 14            | 109   | 43     |          | 202      | 92       |
| <b>23955 ALEKSANDROVSKOE</b>    | 6026N    | 07752E    | 48        |           | 1001.5       | 1007.3         | 13.5        | -3     | 12.5           | -1     | 11            | 62    | -10    |          | 224      | 106      |
| 23966 VANZIL'-KYNAN             | 6021N    | 08405E    | 99        |           | 995.3        | 1007.5         | 13.1        |        | 12.2           |        | 12            | 68    |        |          | 152      |          |
| 23986 SEVERO-ENISEJSK           | 6023N    | 09320E    | 519       |           | 947.7        | 1007.2         | 11.5        |        | 10.9           |        | 19            | 103   |        | 4        |          |          |
| <b>24125 OLENEK</b>             | 6830N    | 11220E    | 220       |           | 979.6        | 1005.6         | 12.1        | 1.3    | 11.1           | 2.1    | 12            | 38    | -1     |          | 158      | 73       |
| 24136 SUHANA                    | 6837N    | 11820E    | 77        |           | 997.0        | 1006.7         | 12.3        |        | 11.2           |        | 10            | 79    |        |          | 159      | 70       |
| <b>24143 DZARDZAN</b>           | 6844N    | 12400E    | 39        |           | 1002.3       | 1006.9         | 14.2        | 3.4    | 13.3           | 3.6    | 5             | 18    | -25    |          |          |          |
| <b>24266 VERHOJANSK</b>         | 6733N    | 13320E    | 137       |           | 991.1        | 1007.2         | 15.6        | 4.8    | 12.1           | 3.3    | 7             | 22    | -7     |          | 331      | 151      |
| <b>24329 SHELAGONTSY</b>        | 6615N    | 11410E    | 236       |           | 978.3        | 1006.5         | 11.6        | 1.2    | 10.7           | 1.9    | 10            | 91    | 47     |          | 162      | 76       |
| <b>24343 ZHIGANSK</b>           | 6646N    | 12320E    | 92        |           | 995.6        | 1006.6         | 14.1        | 2.2    | 13.0           | 2.9    | 9             | 45    | 4      |          | 230      | 94       |
| <b>24382 UST'-MOMA</b>          | 6627N    | 14310E    | 196       |           | 984.3        | 1007.3         | 15.8        |        | 12.1           |        | 5             | 24    |        |          | 325      | 135      |
| <b>24507 TURA</b>               | 6416N    | 10010E    | 168       |           | 984.1        | 1006.1         | 12.3        | -1     | 11.0           | .5     | 11            | 81    | 27     | 4        | 143      | 77       |
| 24606 KISLOKAN                  | 6335N    | 10350E    | 211       |           | 981.3        | 1006.2         | 11.9        |        | 10.4           |        | 11            | 124   |        | 5        | 140      | 65       |
| <b>24641 VILJUJSK</b>           | 6346N    | 12130E    | 111       |           | 993.3        | 1006.3         | 16.1        | 2.0    | 11.8           | 1.6    | 6             | 37    | 0      |          | 221      | 88       |
| 24661 SEGEN-KYUEL'              | 6400N    | 13010E    | 208       |           | 982.8        | 1007.2         | 15.3        |        | 11.4           |        | 13            | 122   |        |          |          |          |
| <b>24671 TOMPO</b>              | 6357N    | 13550E    | 402       |           | 961.1        | 1007.8         | 14.1        |        | 12.5           |        | 8             | 46    |        |          | 126      | 100      |
| <b>24688 OJMJAKON</b>           | 6315N    | 14300E    | 741       |           | 924.4        | 1009.0         | 12.7        | 2.6    | 11.0           | 2.5    | 10            | 59    | 21     |          | 227      | 96       |
| 24713 NAKANNO                   | 6253N    | 10820E    | 246       |           | 976.9        | 1005.9         | 12.5        |        | 11.9           |        | 14            | 112   |        |          | 160      |          |
| <b>24738 SUNTAR</b>             | 6209N    | 11730E    | 133       |           | 989.4        | 1005.7         | 15.2        | 1.3    | 14.2           | 3.5    | 12            | 61    | 20     |          | 237      | 97       |
| 24790 SUSUMAN                   | 6247N    | 14810E    | 655       |           | 934.5        | 1009.6         | 13.7        |        | 10.9           |        | 8             | 45    |        |          | 221      |          |
| <b>24817 ERBOGACEN</b>          | 6116N    | 10800E    | 291       |           | 972.2        | 1006.4         | 12.6        | -5     | 12.5           | 1.5    | 14            | 94    | 43     |          | 153      | 66       |
| <b>24908 VANAVARA</b>           | 6020N    | 10210E    | 260       |           | 976.5        | 1007.1         | 12.8        | -3     | 11.8           | .5     | 14            | 83    | 16     | 4        | 177      | 82       |
| <b>24959 JAKUTSK</b>            | 6201N    | 12940E    | 101       |           | 994.8        | 1006.7         | 16.7        | 1.8    | 14.9           | 3.8    | 6             | 41    | 5      |          | 204      | 75       |
| <b>24966 UST'-MAJYA</b>         | 6023N    | 13420E    | 170       |           | 987.4        | 1007.3         | 16.7        | 2.5    | 14.6           | 2.9    | 8             | 61    | 6      |          | 226      | 92       |
| 24967 TEGYULTYA                 | 6028N    | 13000E    | 171       |           | 988.2        | 1008.4         | 15.5        |        | 13.4           |        | 10            | 89    |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 25062 MYS BILLINGSA           | 6953N    | 17540E    | 3         |           | 1014.6       | 1015.0         | 1.9         |        | 6.4            |        | 3             | 5     |        |          |          |          |
| 25138 OSTROVNOE               | 6807N    | 16410E    | 94        |           | 1001.4       | 1012.8         | 12.1        |        | 10.5           |        | 4             | 18    |        |          | 296      |          |
| <b>25173 MYS SHMIDTA</b>      | 6854N    | 17920W    | 4         |           | 1015.0       | 1015.4         | 2.3         | -9     | 6.7            | -3     | 8             | 31    | -16    |          |          |          |
| 25206 SREDNE-KOLYMSK          | 6727N    | 15340E    | 21        |           | 1008.5       | 1011.0         | 14.3        |        | 11.7           |        | 3             | 23    |        |          |          |          |
| <b>25248 ILIRNEJ</b>          | 6715N    | 16750E    | 353       |           | 971.6        | 1013.8         | 11.2        | 2.7    | 9.0            | .8     | 5             | 17    | -23    |          |          |          |
| 25282 MYS VANKAREM            | 6750N    | 17050W    | 5         |           | 1014.4       | 1015.0         | 3.6         |        | 7.3            |        | 6             | 14    |        |          | 114      |          |
| <b>25325 UST'-OLOJ</b>        | 6633N    | 15920E    | 127       |           | 997.2        | 1012.5         | 11.5        | 2.2    | 10.1           | 1.3    | 6             | 37    | -4     |          | 215      |          |
| 25356 EN' MUVEEM              | 6623N    | 17320E    | 77        |           | 1004.4       | 1013.9         | 10.5        |        | 9.1            |        | 5             | 40    |        |          | 282      |          |
| 25378 EGVEKINOT               | 6621N    | 17900W    | 26        |           | 1011.2       | 1014.4         | 9.4         |        | 8.6            |        | 8             | 31    |        |          |          |          |
| <b>25399 MYS UELEN</b>        | 6610N    | 16950W    | 3         |           | 1012.2       | 1013.1         | 5.0         | -9     | 7.8            | -8     | 4             | 18    | -42    |          | 147      | 129      |
| <b>25400 ZYRYANKA</b>         | 6544N    | 15050E    | 43        |           | 1004.9       | 1010.0         | 15.7        | 3.9    | 12.9           | 2.8    | 3             | 5     | -32    |          | 287      | 125      |
| 25428 OMOLON                  | 6514N    | 16030E    | 264       |           | 981.0        | 1012.0         | 12.1        |        | 9.4            |        | 7             | 56    |        |          | 273      |          |
| 25503 KORKODON                | 6445N    | 15350E    | 98        |           | 998.5        | 1010.3         | 14.4        |        | 11.8           |        | 4             | 28    |        |          | 319      |          |
| 25538 VERHNEE PENZINO         | 6413N    | 16410E    | 326       |           | 974.6        | 1013.2         | 11.2        |        | 9.5            |        | 4             | 31    |        | 1        | 185      | 100      |
| <b>25551 MARKOVO</b>          | 6441N    | 17020E    | 26        |           | 1010.3       | 1013.2         | 12.0        | 1.3    | 10.5           | .4     | 6             | 34    | -26    |          |          |          |
| <b>25563 ANADYR'</b>          | 6447N    | 17730E    | 61        |           | 1006.3       | 1013.7         | 11.1        | 1.5    | 10.2           | .4     | 7             | 21    | -20    |          |          |          |
| <b>25594 BUHTA PROVIDENJA</b> | 6425N    | 17310W    | 40        |           | 1008.2       | 1013.1         | 8.0         | -4     | 9.3            | .1     | 3             | 12    | -67    |          |          |          |
| 25677 BERINGOVSKAJA           | 6303N    | 17910E    | 82        |           | 1013.0       | 1013.6         | 10.9        |        | 10.0           |        | 7             | 28    |        |          |          |          |
| 25705 SREDNIKAN               | 6227N    | 15210E    | 260       |           | 978.5        | 1008.8         | 15.9        |        | 12.6           |        | 7             | 27    |        |          | 254      |          |
| <b>25744 KAMENSKOE</b>        | 6226N    | 16600E    | 10        |           | 1008.9       | 1013.7         | 12.9        | 1.5    | 12.3           | 1.5    | 7             | 39    | -21    |          | 208      | 117      |
| 25927 BROHOVO                 | 5939N    | 15410E    | 5         |           | 1011.3       | 1012.0         | 12.9        |        | 13.0           |        | 5             | 48    |        | 0        | 145      |          |
| 25932 TAJGONOS                | 6041N    | 16020E    | 30        |           | 1009.1       | 1012.7         | 12.0        |        | 13.3           |        | 6             | 29    |        |          | 50       |          |
| <b>25954 KORF'</b>            | 6021N    | 16600E    | 4         |           | 1014.0       | 1014.4         | 13.6        | 1.7    | 12.4           | 1.2    | 4             | 27    | -33    | 1        | 183      | 105      |
| 28009 KIRS                    | 5922N    | 05213E    | 169       |           | 988.8        | 1008.7         | 15.3        |        | 14.1           |        | 13            | 89    |        | 4        |          |          |
| <b>28064 LEUSI</b>            | 5937N    | 06543E    | 72        |           | 999.1        | 1007.6         | 14.9        | .4     | 9.1            | -3.3   | 14            | 79    | 11     | 4        | 244      | 112      |
| <b>28138 BISER</b>            | 5831N    | 05851E    | 463       |           | 955.1        | 1008.8         | 13.5        | 1.0    | 12.4           | .8     | 15            | 106   | 6      | 3        | 182      | 84       |
| 28224 PERM'                   | 5801N    | 05618E    | 171       |           | 988.9        | 1008.9         | 16.4        |        | 14.5           |        | 16            | 90    |        |          | 213      |          |
| 28255 TURINSK                 | 5803N    | 06341E    | 103       |           | 996.4        | 1008.5         | 15.3        |        | 14.9           |        | 15            | 88    |        | 5        | 145      | 65       |
| <b>28275 TOBOL'SK</b>         | 5809N    | 06815E    | 50        |           |              | 1008.6         | 15.4        | .6     | 13.1           | .1     | 13            | 68    | -3     | 3        | 225      | 100      |
| 28418 SARAPUL                 | 5628N    | 05344E    | 133       |           | 994.6        | 1010.1         | 18.3        |        | 15.5           |        | 10            | 73    |        | 4        | 255      | 100      |
| 28434 KRASNOUFIMSK            | 5639N    | 05747E    | 206       |           | 985.7        | 1009.8         | 16.5        | 1.6    | 14.7           | 1.8    | 16            | 129   | 66     | 5        | 228      | 107      |
| <b>28493 TARA</b>             | 5654N    | 07423E    | 73        |           | 1000.8       | 1009.4         | 15.1        | .2     | 13.1           | .3     | 12            | 75    | 10     | 4        | 232      | 99       |
| 28552 SADRINSK                | 5604N    | 06339E    | 89        |           | 999.2        | 1009.7         | 17.5        | 1.4    | 14.3           | 1.3    | 11            | 55    | 3      | 4        | 231      | 92       |
| 28573 ISHIM                   | 5606N    | 06926E    | 82        |           | 999.7        | 1009.4         | 16.6        |        | 12.9           |        | 7             | 46    |        |          | 258      |          |
| 28666 MAKUSINO                | 5515N    | 06718E    | 140       |           | 993.3        | 1009.6         | 17.6        |        | 13.2           |        | 3             | 7     |        | 1        | 281      |          |
| <b>28698 OMSK</b>             | 5501N    | 07323E    | 122       |           | 995.8        | 1010.1         | 17.2        | 1.1    | 12.8           | .2     | 5             | 35    | -19    |          | 271      | 109      |
| 28704 CULPANOVO               | 5430N    | 05025E    | 78        |           | 1002.4       | 1011.5         | 18.5        |        | 16.0           |        | 9             | 44    |        | 3        | 285      | 105      |
| <b>28722 UFA-DIOMA</b>        | 5443N    | 05550E    | 104       |           | 998.7        | 1010.1         | 19.0        | 2.5    | 15.2           | 1.5    | 6             | 39    | -19    |          | 286      | 113      |
| 28748 TROIZK                  | 5405N    | 06137E    | 192       |           | 988.6        | 1010.9         | 19.7        |        | 12.9           |        | 6             | 14    |        | 1        | 320      | 65       |
| 29111 SREDNY VASJUGAN         | 5913N    | 07814E    | 69        |           | 1000.0       | 1008.2         | 14.1        |        | 12.5           |        | 13            | 57    |        |          | 209      |          |
| <b>29231 KOLPASEVO</b>        | 5819N    | 08257E    | 75        |           | 999.4        | 1008.5         | 13.9        | -6     | 12.9           | .0     | 12            | 89    | 19     |          | 237      | 100      |
| <b>29263 ENISEJSK</b>         | 5827N    | 09209E    | 79        |           | 998.6        | 1008.0         | 14.2        | -5     | 13.0           | .1     | 11            | 91    | 21     | 4        | 198      | 85       |
| <b>29282 BOGUCANY</b>         | 5823N    | 09727E    | 133       |           | 992.2        | 1007.9         | 14.5        | -4     | 12.5           | .1     | 15            | 68    | 15     | 5        | 180      | 81       |
| 29313 PUDINO                  | 5732N    | 07922E    | 97        |           | 997.5        | 1008.9         | 13.9        |        | 12.6           |        | 9             | 74    |        |          | 232      |          |
| 29328 BAKCHAR                 | 5705N    | 08155E    | 110       |           | 996.0        | 1009.1         | 14.1        |        | 12.5           |        | 8             | 40    |        |          | 231      |          |
| 29379 TASEEVO                 | 5712N    | 09433E    | 168       |           | 989.7        | 1009.6         | 14.6        |        | 12.9           |        | 9             | 30    |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 29570 KRASNOJARSK OPYTNOE POLE    | 5602N    | 09245E    | 276       |           | 976.9        | 1009.4         | 15.2        |        | 12.9           |        | 10            | 49    |        | 2        |          |          |
| 29594 TAJSHET                     | 5557N    | 09800E    | 307       |           | 973.4        | 1009.3         | 14.4        |        | 12.8           |        | 14            | 66    |        |          | 223      |          |
| <b>29612 BARABINSK</b>            | 5520N    | 07822E    | 120       |           | 995.8        | 1009.9         | 16.1        | .6     | 12.5           | -6     | 4             | 25    | -28    |          | 268      | 109      |
| 29645 KEMEROVO CGMS               | 5515N    | 08613E    | 148       |           | 992.1        | 1009.6         | 15.5        |        | 13.4           |        | 11            | 78    |        |          | 228      |          |
| 29752 NENASTNAYA                  | 5445N    | 08849E    | 1183      |           | 877.1        | 1442 Y         | 10.4        |        | 10.1           |        | 18            | 144   |        | 3        | 160      | 75       |
| 29789 VERHNJAJA GUTARA            | 5413N    | 09658E    | 984       |           | 898.9        | 1009.9         | 11.5        |        | 10.7           |        | 11            | 87    |        |          | 178      |          |
| <b>29866 MINUSINSK</b>            | 5342N    | 09142E    | 254       |           | 979.8        | 1009.4         | 16.9        | .2     | 12.4           | -9     | 7             | 27    | -32    | 1        | 231      | 101      |
| 29939 BIJSK ZONAL'NAYA            | 5241N    | 08457E    | 228       |           | 983.6        | 1009.9         | 17.2        |        | 13.2           |        | 11            | 63    |        | 4        |          |          |
| <b>30054 VITIM</b>                | 5927N    | 11230E    | 190       |           | 984.7        | 1007.3         | 14.2        | -1     | 13.4           | .6     | 13            | 81    | 20     |          | 159      | 78       |
| 30089 DZHIKIMDA                   | 5901N    | 12140E    | 175       |           | 986.0        | 1006.7         | 13.7        |        | 13.7           |        | 14            | 188   |        |          |          |          |
| <b>30230 KIRENSK</b>              | 5746N    | 10800E    | 259       |           | 978.1        | 1008.6         | 14.1        | -5     | 12.7           | -3     | 13            | 83    | 21     |          | 200      | 97       |
| 30252 MAMAKAN                     | 5749N    | 11410E    | 249       |           | 978.5        | 1007.7         | 14.1        |        | 13.5           |        | 18            | 132   |        |          | 152      |          |
| 30309 BRATSK                      | 5617N    | 10140E    | 416       |           | 960.7        | 1009.0         | 14.2        | -7     | 13.2           | .3     | 9             | 40    | -23    |          | 216      | 95       |
| <b>30372 CHARA</b>                | 5654N    | 11810E    | 711       |           | 924.8        | 1005.6         | 13.4        | .4     | 11.4           | .3     | 14            | 135   | 65     | 5        | 208      | 98       |
| 30385 UST'-NJUKZHA                | 5635N    | 12120E    | 426       |           | 955.7        | 1004.8         | 14.0        |        | 13.5           |        | 20            | 252   |        |          | 155      |          |
| 30433 NIZHNEANGARSK               | 5547N    | 10930E    | 487       |           | 953.2        | 1008.6         | 14.5        | -1     | 12.0           | -2     | 8             | 48    | -13    | 2        | 225      | 103      |
| 30521 ZHIGALOVO                   | 5448N    | 10510E    | 426       |           | 960.9        | 1009.6         | 13.9        | -1     | 12.3           | -7     | 11            | 68    | -5     |          | 211      | 108      |
| <b>30554 BAGDARIN</b>             | 5428N    | 11330E    | 903       |           | 905.8        | 1007.7         | 12.3        | .2     | 10.2           | -1     | 10            | 142   | 57     | 5        | 228      | 110      |
| 30612 BALAGANSK                   | 5400N    | 10300E    | 427       |           | 960.4        | 1010.1         | 15.2        |        | 13.2           |        | 11            | 83    |        |          |          |          |
| 30636 BARGUZIN                    | 5337N    | 10930E    | 489       |           | 951.5        | 1007.7         | 15.2        |        | 12.8           |        | 5             | 43    |        | 4        | 233      | 92       |
| 30650 ROMANOVKA                   | 5312N    | 11240E    | 923       |           | 903.4        | 1007.2         | 13.0        |        | 10.7           |        | 12            | 63    |        | 2        |          |          |
| <b>30673 MOGOCHA</b>              | 5345N    | 11940E    | 625       |           | 934.6        | 1005.7         | 14.2        | .5     | 12.7           | .8     | 14            | 159   | 54     | 5        | 204      | 101      |
| <b>30710 IRKUTSK</b>              | 5216N    | 10410E    | 469       |           | 956.0        | 1010.1         | 15.1        | .0     | 13.1           | -3     | 12            | 80    | -2     |          | 255      | 117      |
| 30758 CHITA                       | 5205N    | 11320E    | 671       |           | 930.6        | 1006.5         | 16.5        | 1.3    | 11.3           | -1.2   | 10            | 101   | 21     | 4        | 270      | 119      |
| 30777 SRETENSK                    | 5214N    | 11740E    | 525       |           | 945.5        | 1005.2         | 17.4        |        | 11.5           |        | 10            | 140   |        | 5        | 239      | 113      |
| 30844 HILOK                       | 5121N    | 11020E    | 802       |           | 917.4        | 1008.0         | 14.4        |        | 11.0           |        | 9             | 84    |        | 3        |          |          |
| <b>30879 NERCHINSKIJ ZAVOD</b>    | 5119N    | 11930E    | 619       |           | 935.4        | 1005.3         | 16.9        | 1.5    | 11.5           | -1.9   | 8             | 91    | -8     | 3        | 272      | 115      |
| <b>30925 KJAHTA</b>               | 5022N    | 10620E    | 797       |           | 918.1        | 1007.3         | 16.6        |        | 13.8           |        | 5             | 51    |        | 2        | 293      | 122      |
| 30935 KRASNYJ CHIKOJ              | 5022N    | 10840E    | 771       |           | 920.8        | 1007.8         | 15.1        |        | 12.2           |        | 7             | 73    |        | 2        | 240      | 115      |
| <b>30949 KYRA</b>                 | 4934N    | 11150E    | 908       |           | 905.3        | 1006.3         | 16.5        | 1.6    | 10.5           | -1.4   | 9             | 33    | -68    | 1        | 287      | 119      |
| <b>30965 BORZYA</b>               | 5024N    | 11630E    | 676       |           | 929.3        | 1005.7         | 17.0        | .7     | 11.2           | -2.1   | 5             | 70    | -5     | 3        |          |          |
| <b>31004 ALDAN</b>                | 5837N    | 12520E    | 679       |           | 929.6        | 1006.8         | 14.4        | 1.3    | 12.6           | 1.9    | 12            | 144   | 47     |          | 190      | 84       |
| <b>31088 OHOTSK</b>               | 5922N    | 14310E    | 6         |           | 1010.1       | 1010.8         | 13.3        | .1     | 14.7           | 1.9    | 10            | 123   | 42     | 5        | 128      | 70       |
| 31137 TOKO                        | 5617N    | 13100E    | 850       |           | 912.0        | 1008.0         | 12.5        |        | 10.9           |        | 9             | 83    |        |          |          |          |
| 31152 NEL'KAN                     | 5739N    | 13600E    | 318       |           | 970.4        | 1007.3         | 18.1        |        | 13.0           |        | 6             | 31    |        |          | 189      |          |
| <b>31168 AYAN</b>                 | 5627N    | 13800E    | 8         |           | 1008.7       | 1009.8         | 13.0        | -1     | 14.1           | 1.6    | 10            | 22    | -139   |          | 84       | 53       |
| <b>31253 BOMNAK</b>               | 5443N    | 12850E    | 357       |           | 965.5        | 1007.5         | 16.6        | 1.4    | 15.1           | 1.5    | 13            | 143   | 29     | 3        | 228      | 109      |
| <b>31329 EKIMCHAN</b>             | 5304N    | 13250E    | 542       |           | 946.6        | 1008.4         | 16.0        | 1.7    | 14.9           | 1.6    | 13            | 81    | -50    | 1        | 190      | 109      |
| <b>31369 NIKOLAEVSK-NA-AMURE</b>  | 5309N    | 14040E    | 68        |           | 1001.1       | 1008.9         | 16.2        | .5     | 15.7           | 1.1    | 8             | 38    | -44    |          |          |          |
| <b>31416 IM POLINY OSIPENKO</b>   | 5225N    | 13630E    | 73        |           | 992.9        | 1008.4         | 17.9        | 1.4    | 16.5           | 1.7    | 6             | 50    | -36    |          | 235      | 119      |
| 31439 BOGORODSKOE                 | 5223N    | 14020E    | 35        |           | 1005.0       | 1009.1         | 17.3        |        | 15.7           |        | 7             | 78    |        |          |          |          |
| 31478 SOFIJSKIJ PRIISK            | 5216N    | 13350E    | 902       |           | 907.1        | 1008.4         | 13.9        |        | 12.6           |        | 11            | 96    |        | 0        |          |          |
| <b>31707 EKATERINO-NIKOL'SKOE</b> | 4744N    | 13050E    | 73        |           | 1000.2       | 1008.6         | 20.3        | .8     | 18.0           | -5     | 5             | 63    | -86    |          | 225      | 107      |
| 31770 SOVETSKAYA GAVAN'           | 5100N    | 13950E    | 238       |           | 1007.0       | 1009.9         | 16.7        |        | 15.7           |        | 8             | 54    |        |          | 213      | 115      |
| <b>31829 ZOLOTOJ</b>              | 4719N    | 13850E    | 26        |           | 1007.0       | 1010.0         | 16.7        | .4     | 16.2           | -1     | 8             | 112   | -20    |          |          |          |
| 31873 DAL'NERECHENSK              | 4552N    | 13340E    | 101       |           | 997.6        | 1009.3         | 20.2        |        | 19.1           |        | 5             | 94    |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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>31960 VLADIVOSTOK</b>       | 4307N    | 13150E    | 183       |           | 987.6        | 1009.3         | 20.5        | 1.0    | 20.6           | .2     | 7             | 132   | -16    |          | 173      | 116      |
| 31989 PREOBRAZHENIE            | 4254N    | 13350E    | 43        |           | 1004.7       | 1009.8         | 19.4        |        | 19.3           |        | 11            | 224   |        |          |          |          |
| 32027 POGIBI                   | 5213N    | 14130E    | 6         |           | 1009.1       | 1010.0         | 15.7        |        | 16.0           |        | 9             | 50    |        |          | 165      |          |
| 32061 ALEKSANDROVSK-SAHALINSKI | 5054N    | 14210E    | 31        |           | 1006.6       | 1010.2         | 16.2        | .2     | 15.3           | .4     | 10            | 60    | -22    | 2        | 199      | 99       |
| 32076 POGRANICHNOE             | 5024N    | 14340E    | 8         |           | 1009.2       | 1010.2         | 11.2        |        | 12.3           |        | 10            | 91    |        | 4        | 179      | 100      |
| <b>32098 PORONAJSK</b>         | 4913N    | 14300E    | 8         |           | 1011.7       | 1012.6         | 15.7        | .3     | 15.9           | .6     | 6             | 78    | -11    | 3        | 186      | 118      |
| 32099 MYS TERPENIYA            | 4839N    | 14440E    | 6         |           | 1010.5       | 1011.2         | 10.7        |        | 12.4           |        | 9             | 66    |        |          | 113      | 25       |
| 32150 JUZHNO-SAHALINSK         | 4657N    | 14240E    | 24        |           | 1006.6       | 1009.4         | 16.7        | .0     | 16.2           | -.2    | 11            | 154   | 49     | 5        | 178      | 119      |
| 32165 JUZHNO-KURIL'SK          | 4401N    | 14550E    | 49        |           | 1006.4       | 1012.2         | 15.6        | .0     | 16.0           | -.6    | 11            | 136   | 2      | 3        | 103      | 88       |
| 32213 MYS LOPATKA              | 5052N    | 15640E    | 47        |           | 1006.3       | 1012.4         | 10.5        |        | 10.5           |        | 8             | 47    |        | 1        | 68       | 80       |
| <b>32252 UST'-VOYAMPOLKA</b>   | 5830N    | 15910E    | 7         |           | 1011.9       | 1012.8         | 12.6        | 2.0    | 12.6           | 1.1    | 12            | 66    | 0      | 3        | 83       | 56       |
| 32287 UST'-HAJRJUZOVO          | 5705N    | 15640E    | 8         |           | 1011.0       | 1012.0         | 13.5        |        | 13.5           |        | 11            | 63    |        | 2        | 74       | 50       |
| <b>32389 KLJUCHI</b>           | 5619N    | 16050E    | 29        |           | 1008.7       | 1012.1         | 14.8        | 1.3    | 14.2           | 1.9    | 10            | 76    | 3      |          | 122      | 68       |
| 32477 SOBOLEVO                 | 5418N    | 15550E    | 14        |           | 1009.2       | 1012.2         | 12.9        |        | 13.9           |        | 13            | 110   |        | 3        | 69       | 55       |
| 32509 SEMYACHIK                | 5407N    | 15950E    | 27        |           | 1008.3       | 1011.6         | 13.1        |        | 13.6           |        | 10            | 159   |        | 4        | 88       | 55       |
| <b>32618 OSTROV BERINGA</b>    | 5512N    | 16550E    | 18        |           | 1010.6       | 1013.0         | 12.1        | 1.5    | 13.4           | 1.7    | 9             | 45    | -39    | 1        | 85       | 83       |
| 35011 SOROCHINSK               | 5226N    | 05308E    | 123       |           | 998.2        | 1012.4         | 21.4        |        | 13.0           |        | 5             | 36    |        | 4        |          |          |
| 36038 ZMEINOGORSK              | 5109N    | 08212E    | 355       |           | 969.0        | 1009.9         | 17.5        |        | 11.4           |        | 7             | 16    |        |          | 285      |          |
| 36064 YAJLJU                   | 5146N    | 08736E    | 480       |           | 955.4        | 1010.7         | 15.8        |        | 13.0           |        | 16            | 166   |        |          | 212      |          |
| 36096 KYZYL                    | 5143N    | 09430E    | 628       |           | 937.3        | 1008.1         | 18.0        |        | 10.2           |        | 6             | 24    |        | 1        | 277      | 100      |
| 36229 UST'-KOKSA               | 5017N    | 08537E    | 978       |           | 901.1        | 1009.9         | 15.6        |        | 10.5           |        | 10            | 62    |        |          | 258      |          |
| 36259 KOSH-AGACH               | 5001N    | 08841E    | 1759      |           | 820.2        | 1461 Y         | 13.6        |        | 7.6            |        | 5             | 25    |        |          | 295      |          |
| 36307 ERZIN                    | 5016N    | 09507E    | 1101      |           | 857.9        | 1445 Y         | 17.5        |        | 10.3           |        | 5             | 22    |        | 0        |          |          |
| <b>KAZAKHSTAN</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 28679 PETROPAVLOVSK            | 5450N    | 06909E    | 142       |           | 993.6        | 1010.1         | 17.6        | 1.4    | 13.2           | .2     | 6             | 35    | -16    | 2        | 219      | 89       |
| 28766 BLAGOVESHCHENKA          | 5422N    | 06658E    | 151       |           | 993.0        | 1010.6         | 18.5        |        | 13.0           |        | 4             | 38    |        | 3        |          |          |
| 28879 KOKSHETAY                | 5317N    | 06923E    | 229       |           | 984.0        | 1010.6         | 19.3        | 2.5    | 12.3           | .2     | 1             | 13    | -30    | 1        | 312      | 125      |
| <b>28952 KOSTANAY</b>          | 5313N    | 06337E    | 170       |           | 994.3        | 1011.6         | 20.3        | 2.5    | 14.2           | 2.0    | 3             | 16    | -18    |          | 351      | 124      |
| 28966 RUZAEVKA                 | 5249N    | 06658E    | 227       |           | 984.9        | 1010.8         | 19.3        |        | 11.7           |        | 5             | 19    |        |          |          |          |
| <b>29807 IRTYSHSK</b>          | 5321N    | 07527E    | 94        |           | 999.2        | 1010.1         | 18.9        | 1.5    | 11.1           | -1.5   | 6             | 60    | 21     |          |          |          |
| 35067 ESIL'                    | 5153N    | 06620E    | 221       |           | 986.1        | 1011.5         | 20.6        |        | 11.4           |        |               | 31    |        | 0        |          |          |
| <b>35078 ATBASAR</b>           | 5149N    | 06822E    | 304       |           | 976.3        | 1011.3         | 19.7        | 2.4    | 11.5           | .6     | 2             | 17    | -14    | 2        | 333      | 116      |
| 35108 URALSK                   | 5115N    | 05117E    | 37        |           | 1008.2       | 1012.5         | 22.7        | 2.3    | 13.2           | .5     | 5             | 21    | -3     | 3        | 334      | 114      |
| 35188 ASTANA                   | 5108N    | 07122E    | 350       |           | 971.0        | 1011.0         | 19.9        | 2.2    | 12.0           | 1.0    | 5             | 47    | 8      | 4        | 338      | 115      |
| 35217 DZHAMBEJTY               | 5015N    | 05234E    | 32        |           | 1008.9       | 1012.6         | 24.2        |        | 12.1           |        | 3             | 13    |        |          |          |          |
| 35229 AKTOBE                   | 5017N    | 05709E    | 219       |           | 987.5        | 1012.5         | 23.1        | 3.0    | 11.7           | .3     | 0             | 0     | -27    | 1        | 310      | 103      |
| <b>35394 KARAGANDA</b>         | 4948N    | 07309E    | 553       |           | 948.1        | 1010.6         | 19.8        | 2.1    | 10.3           | .2     | 4             | 9     | -24    |          | 347      | 115      |
| 35406 TAIPAK                   | 4903N    | 05152E    | 2         |           | 1012.3       | 1012.5         | 25.8        | 2.8    | 11.0           | -.7    | 2             | 13    | -5     |          | 376      | 128      |
| <b>35416 UIL</b>               | 4904N    | 05441E    | 128       |           | 1001.7       | 1012.7         | 25.0        | 2.5    | 10.8           | -.2    | 1             | 3     | -14    | 4        | 347      | 110      |
| 35426 TEMIR                    | 4909N    | 05707E    | 234       |           | 986.1        | 1012.8         | 23.8        |        | 10.6           |        | 1             | 5     |        | 2        |          |          |
| 35671 ZHEZKAZGAN               | 4748N    | 06743E    | 346       |           | 971.0        | 1010.1         | 24.1        |        | 26.1           |        | 01            | 1     |        |          | 380      |          |
| 35700 ATYRAU                   | 4707N    | 05155E    | -22       |           | 1014.7       | 1012.6         | 26.6        | 2.6    | 12.2           | -.7    | 1             | 3     | -10    |          | 354      | 110      |
| 35746 ARALSKOE MORE            | 4647N    | 06139E    | 62        |           | 1004.0       | 1011.2         | 27.1        | 2.9    | 12.6           | 1.7    | 0             | 0     | -6     | 1        | 367      | 102      |
| <b>35796 BALHASH</b>           | 4648N    | 07505E    | 350       |           | 969.5        | 1009.0         | 23.2        | 1.5    | 12.4           | .4     | 0             | T     | -12    |          | 392      | 108      |
| <b>35849 KAZALINSK</b>         | 4546N    | 06207E    | 68        |           | 1003.3       | 1011.1         | 26.0        | 1.9    | 11.0           | -.8    | 0             | 0     | -5     | 2        | 381      | 103      |

# SURFACE

# AUGUST 2008

| 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>35925 SAM</b>             | 4524N    | 05607E    | 88        |           | 1002.0       | 1012.2         | 27.4        | 2.9    | 10.6           | -1.3   | 0             | 0     | -5     |          |          |          |
| 35953 DZHUSALY               | 4530N    | 06405E    | 103       |           | 998.8        | 1010.5         | 27.6        |        | 10.0           |        | 0             | T     |        | 1        |          |          |
| 36003 PAVLODAR               | 5218N    | 07656E    | 122       |           | 996.0        | 1010.2         | 18.8        |        | 12.4           |        | 6             | 46    |        | 5        | 297      |          |
| <b>36177 SEMIPALATINSK</b>   | 5025N    | 08018E    | 196       |           | 987.0        | 1009.6         | 19.6        | .9     | 11.3           | -6     | 4             | 12    | -15    | 1        | 332      | 108      |
| 36208 LENINOGORSK            | 5020N    | 08333E    | 811       |           | 918.3        | 1009.3         | 16.3        | 1.5    | 10.6           | -1.0   | 8             | 50    | -26    | 2        |          |          |
| 36428 BOL'SHE NARYMSKOE      | 4912N    | 08431E    | 401       |           | 962.7        | 1008.5         | 20.0        |        | 11.4           |        | 5             | 30    |        |          |          |          |
| <b>36535 KOKPEKTY</b>        | 4845N    | 08222E    | 512       |           | 951.3        | 1009.1         | 20.1        | 2.3    | 10.2           | -5     | 6             | 19    | -1     |          | 350      | 107      |
| <b>36859 ZHARKENT</b>        | 4410N    | 08004E    | 645       |           | 935.2        | 1006.0         | 24.0        | 1.3    | 13.1           | .2     | 1             | 2     | -8     |          | 294      | 94       |
| <b>36870 ALMATY</b>          | 4314N    | 07656E    | 851       |           | 914.4        | 1006.5         | 25.2        | 3.0    | 10.6           | -1.0   | 2             | 14    | -12    | 3        | 281      | 96       |
| <b>38001 FORT SHEVCHENKO</b> | 4433N    | 05015E    | -25       |           | 1014.4       | 1011.7         | 25.8        | 1.4    | 15.5           | -1.8   | 0             | 0     | -16    | 0        |          |          |
| 38062 KYZYLORDA              | 4451N    | 06530E    | 130       |           | 994.4        | 1009.2         | 27.6        | 3.2    | 9.2            | -9     | 0             | T     | -5     | 1        |          |          |
| 38069 CHILI                  | 4410N    | 06645E    | 153       |           | 990.7        | 1008.0         | 26.3        |        | 10.0           |        | 0             | 0     |        | 0        |          |          |
| 38198 TURKESTAN              | 4316N    | 06813E    | 207       |           | 982.0        | 1005.7         | 28.9        | 2.7    | 9.3            | .0     | 0             | 0     | -1     |          |          |          |
| 38328 SHYMKENT               | 4219N    | 06942E    | 604       |           | 938.4        | 1004.3         | 27.8        |        | 8.5            |        | 0             | 0     |        | 3        | 375      |          |
| 38334 AUL TURARA RYSKULOVA   | 4229N    | 07018E    | 808       |           | 917.6        | 1005.0         | 26.2        |        | 8.3            |        | 0             | 0     |        | 0        |          |          |
| 38341 ZHAMBYL                | 4251N    | 07123E    | 655       |           | 934.7        | 1006.3         | 25.1        |        | 9.4            |        | 0             | 0     |        | 0        | 371      |          |
| 38343 KULAN                  | 4257N    | 07245E    | 683       |           | 929.8        | 1006.7         | 24.7        |        | 9.3            |        | 0             | 0     |        | 0        |          |          |
| 38439 CHARDARA               | 4122N    | 06800E    | 275       |           | 973.9        | 1004.5         | 28.8        |        | 11.3           |        |               |       |        |          |          |          |
| <b>TAJIKISTAN</b>            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 38836 DUSHANBE               | 3833N    | 06847E    | 800       |           | 916.0        | 1002.0         | 26.7        | 1.8    | 15.4           | 1.6    | 0             | 0     | -1     | 1        | 249      | 74       |
| <b>TURKMENISTAN</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 38388 EKEZHE                 | 4102N    | 05746E    | 62        |           | 1004.1       | 1010.2         | 29.7        |        | 9.1            |        | 0             | 0     |        |          |          |          |
| <b>38507 TURKMENBASHI</b>    | 4003N    | 05300E    | 82        |           | 1000.4       | 1009.8         | 29.8        | 2.7    | 13.6           | -1.0   | 0             | 0     | -5     |          | 340      | 103      |
| 38511 CHAGYL                 | 4047N    | 05520E    | 115       |           | 997.2        | 1010.1         | 30.2        |        | 9.5            |        | 1             | 11    |        |          |          |          |
| 38545 DARGANATA              | 4028N    | 06217E    | 142       |           | 991.3        | 1007.4         | 26.5        |        | 12.5           |        | 0             | 0     |        |          | 374      | 15       |
| 38656 ERBENT                 | 3919N    | 05836E    | 87        |           | 998.7        | 1008.6         | 31.3        | 1.3    | 9.8            | -5     | 0             | 0     | -1     |          |          |          |
| 38687 CHARDZHEV              | 3905N    | 06336E    | 190       |           | 984.3        | 1005.9         | 28.1        | 1.2    | 11.2           | -8     | 0             | 0     | -1     |          | 377      | 99       |
| <b>38750 ESENGYLY</b>        | 3728N    | 05338E    | -22       |           | 1012.4       | 1009.8         | 29.7        | 2.6    | 28.8           | 3.4    | 0             | 0     | -7     |          |          |          |
| <b>38763 GYZYLARBAT</b>      | 3859N    | 05617E    | 92        |           | 999.1        | 1008.7         | 31.3        | 1.9    | 12.6           | -1.4   | 0             | 0     | -3     |          | 355      | 104      |
| 38880 ASHGABAT KESHI         | 3755N    | 05808E    | 312       |           | 985.4        | 1008.8         | 31.0        | 2.3    | 11.6           | -1.6   | 0             | T     | -1     |          |          |          |
| <b>38895 BAJRAMALY</b>       | 3736N    | 06211E    | 240       |           | 980.2        | 1006.8         | 29.7        | .8     | 11.2           | 1.3    | 0             | 0     | -1     |          | 368      | 104      |
| 38974 SARAGT                 | 3632N    | 06113E    | 275       |           | 975.8        | 1006.1         | 30.0        | 1.6    | 9.2            | .6     | 0             | 0     | 0      |          | 370      | 103      |
| <b>UZBEKISTAN</b>            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 38178 AK-BAJTAL              | 4309N    | 06420E    | 234       |           | 982.3        | 1008.4         | 29.0        | 2.4    | 11.0           | .8     | 0             | 0     | -2     | 0        | 373      | 100      |
| <b>38262 CHIMBAJ</b>         | 4257N    | 05949E    | 66        |           | 1005.1       | 1012.6         | 26.9        | 2.4    | 13.4           | -1.2   | 0             | T     | -2     | 1        | 366      | 96       |
| 38396 URGENCH                | 4134N    | 06034E    | 101       |           | 997.9        | 1009.4         | 26.9        |        | 12.6           |        | 0             | T     |        | 1        |          |          |
| 38403 BUZAUBAJ               | 4145N    | 06228E    | 98        |           | 997.0        | 1008.0         | 31.3        |        | 14.4           |        | 0             | 0     |        | 0        |          |          |
| <b>38413 TAMDY</b>           | 4144N    | 06437E    | 237       |           | 980.8        |                | 30.2        | 2.0    | 10.0           | .2     | 1             | 3     | 2      | 5        | 372      | 101      |
| <b>38457 TASHKENT</b>        | 4116N    | 06916E    | 488       |           | 950.6        | 1004.3         | 27.8        | 2.4    | 12.0           | -1.0   | 0             | 0     | -2     | 0        | 361      | 99       |
| 38611 NAMANGAN               | 4059N    | 07135E    | 474       |           | 952.0        | 1004.6         | 27.9        |        | 14.8           |        | 1             | 3     |        | 4        |          |          |
| 38618 FERGANA                | 4022N    | 07145E    | 577       |           | 939.5        | 1002.4         | 27.2        | 2.2    | 17.7           | 1.9    | 01            | 1     | 0      | 3        | 335      | 97       |

# SURFACE

# AUGUST 2008

| 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. |
| 38683 BUHARA                              | 3943N    | 06437E    | 226       |           | 979.4        | 1004.6         | 28.6        |        | 15.0           |        | 0             | T     |        | 1        |          |          |
| 38696 SAMARKAND                           | 3934N    | 06657E    | 724       |           | 925.3        | 1003.8         | 26.3        | 2.1    | 15.1           | 3.0    | 1             | 2     | 2      | 5        | 355      | 98       |
| 38812 KARSHI                              | 3848N    | 06543E    | 376       |           | 961.6        | 1002.9         | 27.3        |        | 14.8           |        | 0             | 0     |        | 0        |          |          |
| 38927 TERMEZ                              | 3714N    | 06716E    | 310       |           | 968.0        | 1002.5         | 28.7        | 1.9    | 12.0           | -2.4   | 0             | 0     | 0      | 0        | 359      | 99       |
| <b>SAUDI ARABIA</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 40356 TURAIF                              | 3141N    | 03844E    | 855       |           | 910.6        | 1457 Y         | 30.2        |        | 10.2           |        | 0             | 0     |        |          | 348      |          |
| 40357 ARAR                                | 3054N    | 04108E    | 555       |           | 941.6        | 1000.1         | 34.7        |        | 12.0           |        | 0             | 0     |        |          |          |          |
| 40360 GURIAT                              | 3124N    | 03717E    | 509       |           | 947.5        | 1001.7         | 30.2        |        | 19.1           |        | 0             | 0     |        |          | 318      |          |
| <b>40361 AL-JOUF</b>                      | 2947N    | 04006E    | 689       |           | 929.8        | 1000.7         | 34.0        |        | 7.3            |        | 0             | 0     |        |          |          |          |
| 40362 RAFHA                               | 2937N    | 04329E    | 449       |           | 951.8        | 999.3          | 35.3        |        | 12.2           |        | 0             | 0     |        | 1        |          |          |
| 40373 AL-QAISUMAH                         | 2819N    | 04608E    | 358       |           | 960.5        | 998.8          | 37.7        |        | 8.9            |        | 0             | 0     |        |          |          |          |
| 40375 TABUK                               | 2823N    | 03636E    | 778       |           | 920.4        | 1001.9         | 32.2        |        | 9.1            |        | 0             | 0     |        |          | 353      |          |
| 40377 HAFR AL-BATIN                       | 2755N    | 04531E    | 414       |           | 955.4        | 999.6          | 36.6        |        | 11.2           |        | 0             | 0     |        |          |          |          |
| <b>40394 HAIL</b>                         | 2726N    | 04141E    | 1015      |           | 895.8        | 1468 Y         | 33.1        |        | 7.5            |        | 0             | 0     |        |          | 313      |          |
| 40400 AL-WEJH                             | 2612N    | 03629E    | 24        |           | 1000.6       | 1003.4         | 30.5        |        | 31.2           |        | 0             | 0     |        |          | 372      |          |
| 40405 GASSIM                              | 2618N    | 04346E    | 648       |           | 933.1        | 999.2          | 36.3        |        | 10.3           |        | 0             | 0     |        |          |          |          |
| 40416 DHAHRAN                             | 2616N    | 05010E    | 26        |           | 995.3        | 997.1          | 36.3        | 1.9    | 31.7           |        | 0             | 0     | 0      |          |          |          |
| 40417 K.F.I.A. (KING FAHAD INT. AI        | 2627N    | 04949E    | 22        |           | 997.2        | 998.6          | 36.2        |        | 18.9           |        | 0             | 0     |        |          |          |          |
| 40420 AL-AHSA                             | 2518N    | 04929E    | 179       |           | 979.5        | 998.7          | 37.6        |        | 22.5           |        | 0             | 0     |        |          |          |          |
| <b>40430 AL-MADINAH</b>                   | 2433N    | 03942E    | 654       |           | 931.9        | 998.9          | 36.3        | .4     | 6.8            | .8     | 0             | 0     | -1     |          | 305      |          |
| 40437 KING KHALED INT. AIRPORT            | 2456N    | 04643E    | 614       |           | 934.5        | 999.7          | 35.8        |        | 6.5            |        | 0             | 0     |        |          | 333      |          |
| <b>40438 RIYADH OBS. (O.A.P.)</b>         | 2442N    | 04644E    | 635       |           | 934.3        | 999.7          | 37.1        | 2.0    | 8.7            | 1.7    | 0             | 0     | -1     |          | 288      |          |
| 40439 YENBO                               | 2408N    | 03804E    | 10        |           | 1000.3       | 1001.3         | 32.8        |        | 22.4           |        | 0             | 0     |        |          |          |          |
| <b>41024 JEDDAH (KING ABDUL AZIZ INT.</b> | 2142N    | 03911E    | 17        |           | 1001.0       | 1002.8         | 32.9        | .8     | 25.2           | -2.1   |               |       |        |          | 295      |          |
| 41030 MAKKAH                              | 2126N    | 03946E    | 240       |           | 975.2        | 1001.1         | 36.2        |        | 18.8           |        | 0             | 0     |        |          |          |          |
| 41036 AL-TAIF                             | 2129N    | 04033E    | 1478      |           | 852.0        | 1464 Y         | 29.5        | 1.3    | 12.2           | 4.0    | 0             | 0     | -5     |          | 312      |          |
| 41055 AL-BAHA                             | 2018N    | 04139E    | 1672      |           | 832.4        | 1462 Y         | 29.2        |        | 9.1            |        | 0             | 0     |        |          | 254      |          |
| 41061 WADI AL-DAWASSER AIRPORT            | 2030N    | 04515E    | 629       |           | 932.3        | 997.6          | 36.6        |        | 11.9           |        | 0             | 0     |        |          | 313      |          |
| 41084 BISHA                               | 1959N    | 04238E    | 1167      |           | 879.1        | 1459 Y         | 33.4        |        | 9.6            |        | 0             | 0     |        |          | 286      |          |
| 41112 ABHA                                | 1814N    | 04239E    | 2093      |           | 791.9        | 1464 Y         | 24.2        |        | 15.1           |        | 3             | 4     |        |          | 188      |          |
| 41114 KHAMIS MUSHAIT                      | 1818N    | 04248E    | 2066      |           | 794.9        | 1460 Y         | 24.3        |        | 12.5           |        | 2             | 3     |        |          | 228      |          |
| 41128 NAJRAN                              | 1737N    | 04425E    | 1214      |           | 874.0        | 1458 Y         | 33.2        |        | 7.1            |        | 0             | 0     |        |          | 274      |          |
| 41136 SHARORAH                            | 1728N    | 04706E    | 725       |           | 921.1        | 997.0          | 35.5        |        | 22.9           |        | 1             | 4     |        |          | 257      |          |
| 41140 GIZAN                               | 1653N    | 04235E    | 7         |           | 1000.6       | 1001.4         | 34.2        |        | 30.3           |        | 0             | 0     |        |          |          |          |
| <b>IRAN, ISLAMIC REPUBLIC OF</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>40706 TABRIZ</b>                       | 3805N    | 04617E    | 1367      |           | 861.8        | 1003.2         | 28.4        | 3.1    | 10.0           | -7     | 0             | T     | -4     |          | 312      | 93       |
| 40712 ORUMIEH                             | 3732N    | 04505E    | 1316      |           | 864.3        | 1003.7         | 25.3        | 2.2    | 13.9           | .9     | 0             | T     | -2     |          | 327      | 96       |
| <b>40745 MASHHAD</b>                      | 3616N    | 05938E    | 999       |           | 899.1        | 1005.8         | 29.8        | 5.2    | 9.5            | -3     | 0             | 0     | -1     |          | 369      | 103      |
| 40754 TEHRAN-MEHRABAD                     | 3541N    | 05119E    | 1204      |           | 878.4        | 1002.1         | 30.3        | .8     | 9.5            | .0     | 0             | T     | -1     |          | 327      | 98       |
| 40766 KERMANSHAH                          | 3416N    | 04707E    | 1322      |           | 864.0        | 999.9          | 29.7        | 2.5    | 7.9            | .4     | 1             | 1     | 0      |          | 311      | 93       |
| 40800 ESFAHAN                             | 3228N    | 05140E    | 1550      |           | 838.7        | 1000.9         | 28.0        | .1     | 7.9            | -4     | 0             | 0     | -1     |          | 363      | 110      |
| <b>40841 KERMAN</b>                       | 3015N    | 05658E    | 1754      |           | 822.0        | 1000.1         | 24.0        | -2.9   | 6.0            | -3     | 0             | 0     | -1     |          | 361      | 111      |
| <b>40848 SHIRAZ</b>                       | 2932N    | 05232E    | 1481      |           | 848.6        | 997.6          | 30.1        | 1.4    | 9.4            | .5     | 0             | 0     | -1     |          | 334      | 102      |



# SURFACE

# AUGUST 2008

| 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>BAHRAIN</b><br>41150 BAHRAIN (INT. AIRPORT)                | 2616N    | 05039E    | 2         |           | 998.4        | 998.6          | 35.1        | .9     | 34.3           | -1     | 0             | 0     | 0      | 5        | 291      | 88       |
| <b>QATAR</b><br>41170 DOHA INTERNATIONAL AIRPORT              | 2515N    | 05134E    | 11        |           | 998.4        | 999.3          | 35.5        | 1.2    | 33.3           | 4.8    | 0             | 0     | 0      |          | 285      | 87       |
| <b>UNITED ARAB EMIRATES</b><br>41217 ABU DHABI INTER. AIRPORT | 2426N    | 05439E    | 27        |           | 995.4        | 998.2          | 36.1        | 1.7    | 26.7           | -3.6   | 0             | 0     | -1     | 4        | 305      | 95       |
| <b>OMAN</b><br>41256 SEEB, INT'L AIRPORT                      | 2335N    | 05817E    | 15        |           | 999.0        | 1000.0         | 29.3        |        | 24.3           |        | 0             | 0     |        | 5        | 146      |          |
| 41268 SUR   | 2232N    | 05928E    | 14        |           | 998.6        | 1000.3         | 31.1        |        | 24.1           |        | 0             | 0     |        |          |          |          |
| <b>41288 MASIRAH</b>  | 2040N    | 05854E    | 19        |           | 1000.2       | 1002.4         | 25.9        |        | 25.5           |        | 0             | 0     |        | 5        |          |          |
| 41314 THUMRAIT  | 1740N    | 05401E    | 467       |           | 950.9        | 1003.8         | 28.0        |        | 20.5           |        | 0             | 0     |        |          |          |          |
| <b>41316 SALALAH</b>  | 1702N    | 05405E    | 23        |           | 1001.5       | 1004.2         | 24.7        |        | 26.0           |        | 4             | 13    |        |          | 44       |          |
| <b>PAKISTAN</b><br>41515 DROSH                                | 3534N    | 07147E    | 1465      |           |              | 1411 Y         | 28.5        | -6     | 14.0           |        | 2             | 11    | -11    | 3        |          |          |
| 41530 PESHAWAR  | 3401N    | 07135E    | 360       |           | 959.8        | 999.3          | 30.0        | -7     | 29.9           |        | 14            | 274   | 207    | 5        |          |          |
| <b>41560 PARACHINAR</b>                                       | 3352N    | 07005E    | 1726      |           | 822.4        | 1438 Y         | 19.9        | -3.6   | 13.2           |        | 23            | 217   | 115    | 6        |          |          |
| 41571 ISLAMABAD AIRPORT                                       | 3337N    | 07306E    | 508       |           |              | 1000.1         | 28.7        | .2     | 27.6           |        | 12            | 269   | -40    | 2        |          |          |
| 41594 SARGODHA  | 3203N    | 07240E    | 188       |           |              | 999.9          | 31.0        |        | 33.3           |        | 6             | 125   |        | 4        |          |          |
| 41598 JHELUM  | 3256N    | 07343E    | 234       |           | 974.0        | 999.5          | 30.2        | .3     | 30.5           |        | 10            | 66    | -155   | 1        |          |          |
| 41600 SIALKOT   | 3230N    | 07432E    | 256       |           | 971.6        | 999.7          | 29.3        | .3     | 32.1           |        | 10            | 238   | -21    | 3        |          |          |
| <b>41620 ZHOB</b>   | 3121N    | 06928E    | 1407      |           | 851.0        | 1413 Y         | 28.0        | -9     | 15.4           |        | 2             | 19    | -39    | 2        |          |          |
| 41624 DERA ISMAIL KHAN  | 3149N    | 07055E    | 173       |           | 979.7        | 998.7          | 30.7        | -1.2   | 33.2           |        | 8             | 147   | 90     | 5        |          |          |
| <b>41640 LAHORE CITY</b>                                      | 3133N    | 07420E    | 215       |           | 975.7        | 999.5          | 29.9        | -8     | 32.6           |        | 11            | 287   | 124    | 5        |          |          |
| 41660 QUETTA AIRPORT  | 3015N    | 06653E    | 1589      |           | 835.6        | 1438 Y         | 27.1        | .7     | 14.7           |        | 1             | 2     | -10    | 4        |          |          |
| 41675 MULTAN  | 3012N    | 07126E    | 123       |           | 985.8        | 999.8          | 31.6        | -1.4   | 31.4           |        | 4             | 55    | 23     | 5        |          |          |
| 41685 BARKHAN   | 2953N    | 06943E    | 1098      |           |              | 1424 Y         | 28.0        | -7     | 24.5           |        | 6             | 57    | -38    | 2        |          |          |
| 41710 NOKKUNDI  | 2849N    | 06245E    | 683       |           | 924.4        | 996.2          | 34.6        | .5     | 6.5            |        | 0             | 0     | -1     | 5        |          |          |
| <b>41712 DAL BANDIN</b>                                       | 2853N    | 06424E    | 850       |           | 906.9        | 1428 Y         | 33.6        | 1.1    | 8.9            |        | 1             | 2     | 1      | 5        |          |          |
| 41715 JACOBABAD   | 2818N    | 06828E    | 56        |           | 992.5        | 998.6          | 32.4        | -8     | 33.3           |        | 3             | 42    | 16     | 4        |          |          |
| 41718 KHANPUR   | 2839N    | 07041E    | 88        |           | 988.9        | 998.7          | 31.1        | -1.3   | 32.5           |        | 3             | 119   | 96     | 6        |          |          |
| 41739 PANJGUR   | 2658N    | 06406E    | 981       |           | 894.5        | 1429 Y         | 30.3        | -4     | 12.5           |        | 3             | 21    | 12     | 5        |          |          |
| 41744 KHUZDAR   | 2750N    | 06638E    | 1232      |           | 868.5        | 1421 Y         | 28.4        | -9     | 19.6           |        | 6             | 69    | 5      | 4        |          |          |
| 41749 NAWABSHAH   | 2615N    | 06822E    | 38        |           | 994.6        | 998.7          | 32.1        | -4     | 30.3           |        | 1             | 11    | -34    | 3        |          |          |
| 41756 JIWANI  | 2504N    | 06148E    | 57        |           | 995.0        | 1001.3         | 28.2        | -4     | 28.8           |        | 2             | 9     | 6      | 5        |          |          |
| <b>41759 PASNI</b>  | 2516N    | 06329E    | 6         |           | 1001.3       | 1001.8         | 28.3        |        | 31.8           |        | 1             | 12    | 1      | 5        |          |          |
| 41768 CHHOR   | 2531N    | 06947E    | 6         |           | 1000.1       | 1000.7         | 29.7        | -4     | 32.1           |        | 4             | 50    | -24    | 3        |          |          |
| 41780 KARACHI AIRPORT   | 2454N    | 06708E    | 22        |           | 999.3        | 1001.9         | 28.9        | .0     | 30.2           |        | 3             | 38    | -29    | 3        |          |          |

# SURFACE

# AUGUST 2008

| 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>INDIA</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 42027 SRINAGAR                   | 3405N    | 07450E    | 1587      |           | 834.7        | 1425 Y         | 23.7        | .2     | 18.5           |        | 8             | 65    | -11    | 4        | 194      |          |
| 42071 AMRITSAR                   | 3138N    | 07452E    | 234       |           | 973.9        | 999.7          | 28.1        | -1.6   | 31.9           |        | 11            | 488   | 301    | 6        | 186      | 82       |
| 42147 MUKTESHWAR KUMAON          | 2928N    | 07939E    | 2311      |           |              |                | 16.9        | .0     | 18.1           |        | 10            | 163   | -118   | 1        |          |          |
| 42165 BIKANER                    | 2800N    | 07318E    | 224       |           |              |                | 998.8       | 31.6   | -1             | 27.3   | 4             | 81    | 10     | 3        |          |          |
| 42182 NEW DELHI/SAFDARJUNG       | 2835N    | 07712E    | 216       |           | 975.7        | 999.5          | 30.1        | .1     | 32.6           |        | 13            | 311   | 76     | 3        | 117      | 66       |
| 42314 DIBRUGARH /MOHANBARI       | 2729N    | 09501E    | 111       |           | 990.3        | 1002.9         | 27.9        | -5     | 31.5           |        | 23            | 379   | -50    | 3        | 82       |          |
| 42339 JODHPUR                    | 2618N    | 07301E    | 224       |           |              |                | 1000.5      | 29.2   |                | 28.6   | 7             | 218   |        | 5        |          |          |
| 42404 DHUBRI                     | 2601N    | 08959E    | 36        |           | 998.8        | 1002.3         | 28.6        |        | 33.5           |        | 13            | 349   |        | 4        |          |          |
| 42410 GUWAHATI                   | 2606N    | 09135E    | 54        |           | 996.1        | 1002.3         | 29.5        | .7     | 33.1           |        | 16            | 250   | 23     | 3        | 123      | 76       |
| 42452 KOTA AERODROME             | 2509N    | 07551E    | 274       |           |              |                | 1000.7      | 29.3   | 1.0            | 29.1   | 7             | 119   | -124   | 1        |          |          |
| 42475 ALLAHABAD/BAMHRAULI        | 2527N    | 08144E    | 98        |           | 987.7        | 998.5          | 29.1        | -1     | 33.8           |        | 13            | 330   | 64     | 4        | 73       | 41       |
| 42515 CHERRAPUNJI                | 2515N    | 09144E    | 1313      |           | 864.1        | 1455 Y         | 20.5        | -1     | 22.7           |        | 24            | 2966  | 1206   | 5        |          |          |
| 42619 SILCHAR                    | 2445N    | 09248E    | 29        |           | 1000.1       | 1003.3         | 28.6        |        | 34.3           |        | 31            | 839   |        | 5        |          |          |
| 42647 AHMADABAD                  | 2304N    | 07238E    | 55        |           | 996.7        | 1002.9         | 28.1        | -1     | 30.3           |        | 18            | 295   |        | 4        | 95       | 86       |
| 42671 SAGAR                      | 2351N    | 07845E    | 551       |           | 940.5        | 1000.8         | 26.4        | .8     | 29.2           |        | 12            | 331   | -136   | 2        |          |          |
| 42731 DWARKA                     | 2222N    | 06905E    | 11        |           | 1002.1       | 1003.5         | 27.5        | -6     | 33.5           |        | 10            | 80    | 2      |          |          |          |
| 42754 INDORE                     | 2243N    | 07548E    | 567       |           | 940.0        | 1002.3         | 24.7        | -4     | 27.2           |        | 13            | 148   | -212   | 1        |          |          |
| 42807 CALCUTTA/ALIPORE           | 2232N    | 08820E    | 6         |           | 1000.6       | 1001.3         | 29.4        | .3     | 34.1           |        | 17            | 322   | -27    | 3        | 89       | 86       |
| 42867 NAGPUR SONEGAON            | 2106N    | 07903E    | 310       |           | 967.3        | 1001.7         | 27.5        | .4     | 30.5           |        | 17            | 273   | -18    | 3        | 121      | 104      |
| 42909 VERAVAL                    | 2054N    | 07022E    | 8         |           | 1003.3       | 1004.1         | 27.4        | .0     | 33.3           |        | 14            | 65    | -103   | 2        |          |          |
| 42933 AKOLA                      | 2042N    | 07702E    | 282       |           | 971.0        | 1002.3         | 27.3        | .2     | 27.7           |        | 10            | 116   | -121   | 1        |          |          |
| 42971 BHUBANESHWAR               | 2015N    | 08550E    | 46        |           | 995.9        | 1001.2         | 28.9        | .5     | 34.7           |        | 22            | 373   | -16    | 3        | 105      | 82       |
| 43041 JAGDALPUR                  | 1905N    | 08202E    | 553       |           | 942.1        | 1002.7         | 25.4        | .0     | 27.9           |        | 22            | 292   | -75    | 2        |          |          |
| 43057 BOMBAY / COLABA            | 1854N    | 07249E    | 11        |           | 1003.8       | 1005.0         | 26.8        | -5     | 31.8           |        | 23            | 376   | -111   | 3        | 78       | 104      |
| 43063 PUNE                       | 1832N    | 07351E    | 559       |           | 943.1        | 1004.7         | 24.8        | .3     | 24.9           |        | 17            | 168   | 39     | 4        | 109      | 97       |
| 43128 HYDERABAD AIRPORT          | 1727N    | 07828E    | 545       |           | 944.2        | 1003.7         | 26.3        | .1     | 26.5           |        | 14            | 465   | 302    | 6        | 122      | 89       |
| 43150 CWC VISHAKHAPATNAM/WALTAIR | 1742N    | 08318E    | 66        |           | 995.1        | 1002.4         | 28.5        |        | 31.9           |        | 8             | 129   |        |          | 127      | 100      |
| 43185 MACHILIPATNAM/FRANCHPET    | 1612N    | 08109E    | 3         |           | 1002.9       | 1003.1         | 28.7        | -3     | 31.3           |        | 14            | 313   | 132    | 5        | 161      |          |
| 43192 GOA/PANJIM                 | 1529N    | 07349E    | 60        |           | 1000.1       | 1006.9         | 26.4        | .0     | 31.0           |        | 20            | 842   | 220    | 5        | 121      | 99       |
| 43198 BELGAUM/SAMBRE             | 1551N    | 07437E    | 758       |           | 924.1        | 1005.8         | 23.0        | .1     | 24.1           |        | 19            | 250   | 106    | 5        |          |          |
| 43279 CHENNAI/MINAMBAKKAM        | 1300N    | 08011E    | 16        |           | 1003.6       | 1005.3         | 30.3        | .2     | 28.9           |        | 9             | 98    | -40    | 2        | 151      | 78       |
| 43284 BAJPE                      | 1258N    | 07453E    | 102       |           | 995.9        | 1007.4         | 26.0        |        | 29.7           |        | 19            | 573   |        |          | 98       | 120      |
| 43295 BANGALORE                  | 1258N    | 07735E    | 921       |           | 905.9        | 1473 Y         | 24.0        | .5     | 22.9           |        | 17            | 310   | 191    | 5        |          |          |
| 43314 KOZHICODE                  | 1115N    | 07547E    | 5         |           | 1007.7       | 1008.3         | 27.3        | 1.4    | 30.8           |        | 15            | 247   | -225   | 0        |          |          |
| 43333 PORT BLAIR                 | 1140N    | 09243E    | 79        |           | 999.1        | 1008.1         | 26.5        | .5     | 30.6           |        | 23            | 522   | 97     | 4        | 103      | 102      |
| 43363 PAMBAN                     | 0916N    | 07918E    | 11        |           | 1004.9       | 1006.3         | 29.0        | -5     | 33.4           |        | 3             | 49    | 40     | 5        |          |          |
| 43369 MINICOY                    | 0818N    | 07309E    | 2         |           | 1008.4       | 1008.6         | 28.0        | .5     | 30.7           |        | 14            | 327   | 86     | 5        | 192      | 103      |
| 43371 THIRUVANANTHAPURAM         | 0829N    | 07657E    | 64        |           | 1001.1       | 1008.3         | 27.5        | 1.1    | 29.5           |        | 11            | 177   | 25     | 4        | 133      | 80       |
| <b>SRI LANKA</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 43424 PUTTALAM                   | 0802N    | 07950E    | 2         |           | 1006.7       | 1007.1         | 28.5        | .0     | 31.1           | 2.0    | 8             | 87    | 71     |          |          |          |
| 43441 KURUNEGALA                 | 0728N    | 08022E    | 116       |           | 994.4        | 1007.3         | 27.8        | .4     | 37.4           | 9.9    | 8             | 63    | -30    |          |          |          |
| 43466 COLOMBO                    | 0654N    | 07952E    | 7         |           | 1006.9       | 1008.1         | 27.6        | .0     | 30.3           | 1.2    | 8             | 140   | 26     |          | 200      | 100      |
| 43473 NUWARA ELIYA               | 0658N    | 08046E    | 1880      |           | 811.7        |                | 16.6        | .9     | 16.4           | 1.3    | 18            | 75    | -84    |          |          |          |

# SURFACE

# AUGUST 2008

| 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>43497 HAMBANTOTA</b>    | 0607N    | 08108E    | 20        |           | 1005.7       | 1007.4         | 27.6        | .2     | 31.0           | 2.9    | 8             | 37    | -18    |          |          |          |
| <b>MONGOLIA</b>            |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 44203 RINCHINHUMBE         | 5107N    | 09940E    | 1583      |           | 837.2        | 1009.8         | 11.3        | .7     | 9.1            | .3     | 11            | 47    | -11    | 2        |          |          |
| 44207 HATGAL               | 5026N    | 10000E    | 1669      |           | 829.0        | 1009.6         | 10.8        | .6     | 9.2            | .8     | 6             | 80    | 8      | 2        |          |          |
| <b>44212 ULAANGOM</b>      | 4948N    | 09205E    | 940       |           | 903.0        | 1007.8         | 18.3        | 1.7    | 9.3            | -1.1   | 1             | 6     | -16    | 1        | 314      | 106      |
| 44213 BARUUNTURUUN         | 4939N    | 09424E    | 1232      |           | 872.5        | 1006.3         | 17.4        | 2.1    | 11.4           | .6     | 6             | 18    | -25    | 1        |          |          |
| 44214 ULGI                 | 4856N    | 08956E    | 1716      |           | 825.2        | 1006.2         | 16.9        | 2.4    |                |        | 4             | 8     | -12    | 3        |          |          |
| 44215 OMNO-GOBI            | 4901N    | 09143E    | 1590      |           | 836.1        | 1004.7         | 16.2        | 2.0    | 10.0           | .6     | 6             | 20    | -7     | 2        |          |          |
| <b>44218 HOVD</b>          | 4801N    | 09134E    | 1406      |           | 854.5        | 1004.4         | 19.3        | 2.6    | 8.5            | -1.7   | 2             | 5     | -17    | 6        | 265      | 89       |
| 44225 TOSONTSENGEL         | 4844N    | 09812E    | 1724      |           | 824.4        | 1009.1         | 13.6        | 1.9    | 10.1           | 1.4    | 9             | 60    | 14     | 4        |          |          |
| 44230 TARIALAN             | 4934N    | 10200E    | 1236      |           | 874.4        | 1010.0         | 14.9        | .9     | 12.3           | 1.2    | 8             | 57    | -22    | 2        |          |          |
| <b>44231 MUREN</b>         | 4938N    | 10010E    | 1285      |           | 867.0        | 1007.7         | 16.0        | 1.6    | 9.8            | -6     | 8             | 85    | 31     | 4        |          |          |
| 44232 HUTAG                | 4923N    | 10240E    | 938       |           | 903.2        | 1008.5         | 15.9        | .5     | 12.4           | .1     | 8             | 63    | -25    | 2        |          |          |
| 44237 ERDENEMANDAL         | 4832N    | 10120E    | 1510      |           | 844.4        | 1006.2         | 14.6        | 1.8    | 11.7           | .6     | 8             | 72    | -3     | 2        |          |          |
| <b>44239 BULGAN</b>        | 4848N    | 10330E    | 1209      |           | 873.6        | 1005.7         | 15.2        | 1.3    | 10.5           | -6     | 7             | 46    | -17    | 2        |          |          |
| 44241 BARUUNHARAA          | 4855N    | 10600E    | 811       |           | 917.3        | 1007.6         | 17.3        | 1.0    | 10.0           | -1.7   | 3             | 45    | -14    | 2        |          |          |
| 44256 DASHBALBAR           | 4933N    | 11420E    | 706       |           | 925.1        | 1003.9         | 18.2        | 1.8    | 14.9           | 1.8    | 8             | 73    | -14    | 2        |          |          |
| <b>44259 CHOIBALSAN</b>    | 4805N    | 11430E    | 747       |           | 921.8        | 1004.9         | 20.6        | 2.7    | 9.2            | -4.2   | 5             | 28    | -15    | 3        |          |          |
| 44265 BAITAG               | 4607N    | 09128E    | 1186      |           | 877.9        | 1006.0         | 20.6        | 2.1    | 9.4            | -1.1   | 1             | 2     | -7     | 2        |          |          |
| <b>44272 ULIASTAI</b>      | 4745N    | 09651E    | 1761      |           | 818.6        | 1004.0         | 15.7        | 2.4    | 9.7            | .8     | 2             | 20    | -28    | 1        | 310      | 108      |
| 44275 BAYANBULAG           | 4650N    | 09805E    | 2255      |           | 772.9        | 1006.4         | 12.7        | 2.6    | 9.7            | 1.5    | 1             | 2     | -19    | 1        |          |          |
| 44277 ALTAI                | 4624N    | 09615E    | 2182      |           | 780.7        | 1005.3         | 15.1        | 2.8    | 6.8            | -8     | 2             | 16    | -24    | 1        |          |          |
| 44282 TSETSERLEG           | 4727N    | 10120E    | 1693      |           | 826.1        | 1006.1         | 15.8        | 3.0    | 8.1            | -1.8   | 5             | 55    | -11    | 1        |          |          |
| 44284 GALUUT               | 4642N    | 10000E    | 2126      |           | 785.6        | 1005.8         | 14.9        | 3.7    | 5.4            | -2.5   | 2             | 7     | -46    | 0        |          |          |
| 44285 HUIJIRT              | 4654N    | 10240E    | 1662      |           | 829.3        | 1006.2         | 15.6        | 2.8    | 10.4           | .3     | 5             | 29    | -35    | 1        |          |          |
| 44287 BAYANHONGOR          | 4608N    | 10040E    | 1860      |           | 809.8        | 1006.7         | 17.7        | 3.2    | 6.1            | -3.3   | 3             | 14    | -34    | 1        |          |          |
| <b>44288 ARVAIHEER</b>     | 4616N    | 10240E    | 1813      |           | 814.5        | 1004.6         | 17.4        | 3.5    | 8.1            | -1.5   | 3             | 37    | -16    | 5        |          |          |
| 44292 ULAANBAATAR          | 4755N    | 10650E    | 1307      |           | 864.7        | 1007.0         | 17.3        | 2.6    | 9.1            | -1.3   | 3             | 41    | -10    | 2        | 305      | 118      |
| 44294 MAANTI               | 4718N    | 10720E    | 1430      |           | 852.2        | 1005.7         | 17.1        | 2.8    | 10.3           | -9     | 5             | 24    | -27    | 1        |          |          |
| 44298 CHOIR                | 4627N    | 10810E    | 1287      |           | 865.4        | 1002.7         | 20.3        | 3.4    | 11.0           | -1.4   | 5             | 49    | 6      | 3        |          |          |
| 44302 BAYAN-OVOO           | 4747N    | 11200E    | 926       |           | 906.1        | 1008.8         | 18.6        | 1.9    | 10.8           | -1.6   | 9             | 69    | -5     | 3        |          |          |
| 44304 UNDERKHAAN           | 4719N    | 11030E    | 1035      |           | 891.3        | 1003.2         | 19.7        | 3.2    | 9.8            | -2.2   | 5             | 58    | 9      | 3        |          |          |
| 44305 BARUUN-URT           | 4641N    | 11310E    | 982       |           | 897.1        | 1005.0         | 20.4        | 2.4    | 8.8            | -3.8   | 4             | 29    | -21    | 2        |          |          |
| 44313 KHALKH-GOL           | 4737N    | 11830E    | 689       |           | 929.1        | 1006.0         | 19.7        | 2.0    | 1.9            | -11.8  | 6             | 84    | 23     | 4        |          |          |
| 44314 MATAD                | 4710N    | 11530E    | 907       |           | 906.2        | 1006.4         | 19.7        | 1.4    | 11.4           | -1.3   | 3             | 25    | -25    | 1        |          |          |
| <b>44317 ERDENETSAGAAN</b> | 4554N    | 11520E    | 1076      |           | 888.6        | 1006.0         | 19.6        |        | 12.7           |        | 4             | 31    |        | 1        |          |          |
| 44336 SAIKHAN-OVOO         | 4527N    | 10350E    | 1317      |           | 864.6        | 1006.8         | 20.9        | 2.6    | 10.8           | .5     | 2             | 27    | 2      | 2        |          |          |
| <b>44341 MANDALGOBI</b>    | 4546N    | 10610E    | 1396      |           | 855.0        | 1004.0         | 19.7        | 2.7    | 7.6            | -3.5   | 3             | 31    | -12    | 2        |          |          |
| 44347 TSOGT-OVOO           | 4425N    | 10510E    | 1298      |           | 864.9        | 1003.8         | 21.4        | 1.7    | 8.1            | -3.8   | 3             | 34    | 11     | 4        |          |          |
| 44352 BAYANDELGER          | 4454N    | 11220E    | 1101      |           | 884.8        | 1003.7         | 20.6        | 2.2    | 16.8           | 3.8    | 2             | 32    | -20    | 3        |          |          |
| 44354 SAINSHAND            | 4454N    | 11000E    | 938       |           | 901.3        | 1000.4         | 22.6        | 1.7    | 13.0           | -5     | 3             | 14    | -16    | 2        |          |          |
| 44358 ZAMYN-UUD            | 4344N    | 11150E    | 965       |           | 900.0        | 1005.0         | 21.8        | 1.0    | 14.5           | 1.3    | 4             | 41    | 12     | 4        |          |          |
| <b>44373 DALANZADGAD</b>   | 4335N    | 10420E    | 1465      |           | 848.6        | 1002.0         | 21.1        | 1.8    | 7.9            | -2.8   | 5             | 58    | 26     | 5        | 297      | 100      |
| <b>NEPAL</b>               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 44454 KATHMANDU AIRPORT  | 2742N    | 08522E    | 1337      |           | 859.9        | 1439 Y         | 24.8        |        | 26.2           |        | 23            | 241   |        |          | 90       | 75       |
| 44477 DHANKUTA           | 2659N    | 08721E    | 1210      |           | 875.1        | 1466 Y         | 24.0        |        | 25.3           |        | 15            | 137   |        |          | 11       | 45       |
| <b>HONG KONG, CHINA</b>  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 45004 KOWLOON            | 2219N    | 11410E    | 66        |           | 998.7        | 1006.2         | 28.1        | -6     | 30.5           | -5     | 6             | 326   | -69    | 3        | 216      | 104      |
| <b>MACAO, CHINA</b>      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 45011 TAIPA GRANDE       | 2210N    | 11330E    | 114       |           | 993.4        | 1006.5         | 27.8        |        | 30.4           |        | 9             | 288   |        | 3        | 240      | 125      |
| <b>DPR KOREA</b>         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 47014 CHUNGGANG          | 4147N    | 12650E    | 331       |           | 971.8        | 1008.3         | 21.5        | -2     | 21.2           |        | 9             | 157   | -27    | 3        | 117      | 80       |
| 47016 HYESAN             | 4124N    | 12810E    | 715       |           | 927.5        | 1010.0         | 20.3        | .4     | 17.1           |        | 7             | 97    | -45    | 2        | 165      | 85       |
| 47025 KIMCHAEK           | 4040N    | 12910E    | 23        |           | 1005.8       | 1008.5         | 23.0        | .9     | 23.6           |        | 6             | 112   | -54    | 2        | 219      | 125      |
| 47035 SINUIJU            | 4006N    | 12420E    | 7         |           | 1007.4       | 1008.2         | 24.1        | .1     | 24.2           |        | 8             | 276   | 7      | 3        | 179      | 90       |
| 47055 WONSAN             | 3911N    | 12720E    | 36        |           | 1004.9       | 1009.1         | 23.4        | .2     | 24.5           |        | 12            | 374   | 41     | 0        | 202      | 115      |
| 47058 PYONGYANG          | 3902N    | 12540E    | 36        |           | 1004.0       | 1008.4         | 24.6        | .2     | 24.7           |        | 9             | 236   | -11    | 3        | 206      | 100      |
| 47069 HAEJU              | 3802N    | 12540E    | 81        |           | 997.6        | 1006.8         | 24.9        | .2     | 24.6           |        | 8             | 262   | 3      | 3        | 211      | 115      |
| <b>REPUBLIC OF KOREA</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 47101 CHUNCHEON          | 3754N    | 12740E    | 78        |           | 999.2        | 1008.0         | 24.1        | -3     | 22.4           | -1.7   | 11            | 298   | 12     | 4        | 214      | 126      |
| 47105 GANGNEUNG          | 3745N    | 12850E    | 26        |           | 1005.7       | 1008.6         | 24.0        | -6     | 22.9           | -1.9   | 13            | 331   | 70     | 4        | 168      | 109      |
| 47108 SEOUL              | 3734N    | 12650E    | 86        |           | 997.8        | 1007.5         | 25.3        | -1     | 22.0           | -3.4   | 11            | 251   | -43    | 3        | 197      | 132      |
| 47115 ULLEUNGDO          | 3729N    | 13050E    | 221       |           | 983.2        | 1008.2         | 22.2        | -1.6   | 22.8           | -2.1   | 9             | 197   | 64     | 5        | 160      | 99       |
| 47133 DAEJEON            | 3622N    | 12720E    | 72        |           | 999.9        | 1007.1         | 24.6        | -8     | 22.0           | -4.0   | 12            | 325   | 48     | 4        | 209      | 111      |
| 47138 POHANG             | 3602N    | 12920E    | 4         |           | 1008.2       | 1008.3         | 24.2        | -1.4   | 24.7           | -1.0   | 10            | 195   | 23     | 3        | 191      | 107      |
| 47159 BUSAN              | 3506N    | 12900E    | 70        |           | 1000.3       | 1008.1         | 25.0        | -9     | 23.9           | -2.9   | 8             | 369   | 166    | 5        | 209      | 99       |
| 47165 MOKPO              | 3449N    | 12620E    | 39        |           | 1003.1       | 1007.4         | 25.5        | -7     | 26.9           | -8     | 9             | 96    | -59    | 2        | 222      | 103      |
| 47168 YEOSU              | 3444N    | 12740E    | 67        |           | 1000.4       | 1008.8         | 25.3        | -6     | 24.5           | -2.1   | 8             | 152   | -77    | 2        | 223      | 100      |
| 47184 JEJU               | 3331N    | 12630E    | 23        |           | 1005.2       | 1007.5         | 26.7        | .1     | 24.6           | -3.4   | 11            | 244   | 3      | 3        | 170      | 76       |
| <b>JAPAN</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 47401 WAKKANAI           | 4525N    | 14140E    | 12        |           | 1009.0       | 1010.4         | 18.8        | -4     | 18.3           | -3     | 6             | 63    | -49    | 2        | 177      | 120      |
| 47407 ASAHIKAWA          | 4345N    | 14220E    | 140       |           | 994.2        | 1010.5         | 19.8        | -1.1   | 17.3           | -2.3   | 5             | 64    | -94    | 1        | 172      | 107      |
| 47409 ABASHIRI           | 4401N    | 14410E    | 44        |           | 1005.9       | 1011.0         | 18.6        | -5     | 16.6           | -2.0   | 9             | 116   | 12     | 4        | 140      | 89       |
| 47412 SAPPORO            | 4304N    | 14120E    | 26        |           | 1007.0       | 1010.1         | 21.2        | -5     | 18.0           | -2.3   | 7             | 56    | -86    | 1        | 188      | 112      |
| 47418 KUSHIRO            | 4259N    | 14420E    | 40        |           | 1006.9       | 1011.6         | 17.7        | -1     | 17.3           | -8     | 10            | 176   | 58     | 4        | 95       | 77       |
| 47420 NEMURO             | 4320N    | 14530E    | 39        |           | 1007.3       | 1011.9         | 16.8        | -3     | 16.1           | -1.6   | 13            | 93    | -20    | 3        | 121      | 98       |
| 47421 SUTTSU             | 4248N    | 14010E    | 38        |           | 1005.5       | 1009.9         | 20.0        | -9     | 19.4           | -1.6   | 10            | 77    | -61    | 2        | 180      | 110      |
| 47426 URAKAWA            | 4210N    | 14240E    | 37        |           | 1006.5       | 1010.8         | 18.9        | -1.0   | 19.9           | -8     | 11            | 181   | 29     | 3        | 131      | 86       |
| 47430 HAKODATE           | 4149N    | 14040E    | 44        |           | 1005.0       | 1010.1         | 20.7        | -9     | 18.9           | -2.6   | 10            | 165   | 8      | 4        | 163      | 107      |
| 47570 WAKAMATSU          | 3729N    | 13950E    | 217       |           | 984.3        | 1008.8         | 24.3        | -4     | 23.7           | -3     | 14            | 237   | 119    | 5        | 158      | 81       |
| 47575 AOMORI             | 4049N    | 14040E    | 4         |           | 1009.0       | 1009.5         | 21.9        | -1.0   | 20.7           | -1.9   | 14            | 165   | 26     | 4        | 160      | 85       |
| 47582 AKITA              | 3943N    | 14000E    | 22        |           | 1006.3       | 1008.8         | 23.9        | -5     | 22.6           | -1.3   | 12            | 184   | -5     | 4        | 166      | 82       |

## SURFACE

AUGUST 2008

| 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. |
| 47590 SENDAI             | 3816N    | 14050E    | 44        |           | 1004.8       | 1009.8         | 23.1        | -1.0   | 24.2           | -3     | 14            | 444   | 280    | 6        | 92       | 60       |
| 47598 ONAHAMA            | 3657N    | 14050E    | 5         |           | 1008.9       | 1009.5         | 24.0        | .1     | 24.9           | -2     | 12            | 88    | -49    | 3        | 121      | 63       |
| 47600 WAJIMA             | 3724N    | 13650E    | 15        |           | 1006.5       | 1008.2         | 25.3        | .1     | 24.8           | -1.0   | 13            | 148   | -32    | 3        | 195      | 91       |
| 47605 KANAZAWA           | 3635N    | 13630E    | 34        |           | 1004.3       | 1008.1         | 26.6        | .0     | 24.1           | -2.0   | 14            | 179   | 8      | 3        | 201      | 99       |
| 47624 MAEBASHI           | 3624N    | 13900E    | 114       |           | 995.8        | 1008.7         | 25.8        | -1     | 24.1           | -1.2   | 16            | 279   | 108    | 5        | 136      | 84       |
| 47636 NAGOYA             | 3510N    | 13650E    | 56        |           | 1001.9       | 1008.2         | 28.1        | 1.0    | 24.3           | -2.1   | 8             | 340   | 195    | 5        | 181      | 92       |
| 47648 CHOSHI             | 3544N    | 14050E    | 28        |           | 1005.8       | 1009.0         | 26.0        | 1.1    | 28.1           | .8     | 8             | 121   | 14     | 4        | 199      | 93       |
| 47655 OMAEZAKI           | 3436N    | 13810E    | 47        |           | 1003.1       | 1008.5         | 27.0        | .9     | 30.3           | 1.5    | 5             | 157   | -58    | 3        | 244      | 109      |
| 47662 TOKYO              | 3541N    | 13940E    | 36        |           | 1004.5       | 1008.7         | 26.8        | -3     | 26.0           | .1     | 15            | 388   | 241    | 5        | 130      | 73       |
| 47675 OSHIMA             | 3445N    | 13920E    | 80        |           | 999.6        | 1008.7         | 26.1        | 1.6    | 30.3           | 3.0    | 8             | 174   | -45    | 2        | 175      | 103      |
| 47678 HACHIJOJIMA        | 3307N    | 13940E    | 156       |           | 991.2        | 1008.8         | 26.3        | -2     | 30.1           | .7     | 14            | 194   | -10    | 4        | 201      | 101      |
| 47740 SAIGO              | 3612N    | 13320E    | 32        |           | 1004.5       | 1008.2         | 25.9        | .2     | 26.4           | -5     | 8             | 111   | -19    | 3        | 175      | 78       |
| 47741 MATSUE             | 3527N    | 13300E    | 23        |           | 1005.4       | 1008.0         | 26.7        | .2     | 26.4           | -9     | 13            | 105   | -40    | 3        | 179      | 83       |
| 47746 TOTTORI            | 3529N    | 13410E    | 16        |           | 1006.3       | 1008.1         | 26.6        | -1     | 26.3           | -1     | 16            | 166   | 32     | 4        | 187      | 91       |
| 47750 MAIZURU            | 3527N    | 13510E    | 23        |           | 1005.7       | 1008.3         | 26.9        | .6     | 25.8           | -2     | 12            | 188   | 35     | 4        | 173      | 90       |
| 47772 OSAKA              | 3441N    | 13530E    | 83        |           | 998.6        | 1008.0         | 28.4        | .2     | 24.9           | -1.1   | 9             | 82    | -12    | 3        | 195      | 94       |
| 47778 SHIONOMISAKI       | 3327N    | 13540E    | 76        |           | 999.6        | 1008.1         | 26.7        | .3     | 29.3           | .3     | 9             | 232   | -40    | 3        | 245      | 109      |
| 47800 IZUHARA            | 3412N    | 12910E    | 19        |           | 1005.8       | 1008.0         | 26.3        | .1     | 27.5           | -4     | 13            | 427   | 185    | 5        | 132      | 75       |
| 47807 FUKUOKA            | 3335N    | 13020E    | 15        |           | 1006.0       | 1007.7         | 27.6        | .0     | 26.0           | -1.4   | 15            | 419   | 254    | 5        | 162      | 78       |
| 47815 OITA               | 3314N    | 13130E    | 13        |           | 1006.4       | 1007.9         | 27.5        | .7     | 26.0           | -1.4   | 11            | 123   | -51    | 3        | 182      | 91       |
| 47817 NAGASAKI           | 3244N    | 12950E    | 36        |           | 1003.4       | 1007.5         | 28.1        | .5     | 26.9           | -1.3   | 11            | 126   | -60    | 2        | 180      | 81       |
| 47827 KAGOSHIMA          | 3133N    | 13030E    | 32        |           | 1003.9       | 1007.5         | 28.7        | .8     | 28.0           | -7     | 14            | 251   | 38     | 4        | 161      | 78       |
| 47830 MIYAZAKI           | 3156N    | 13120E    | 15        |           | 1006.0       | 1007.7         | 27.3        | .1     | 28.5           | -7     | 20            | 494   | 200    | 5        | 178      | 81       |
| 47843 FUKUE              | 3242N    | 12850E    | 27        |           | 1004.5       | 1007.5         | 27.3        | .6     | 28.8           | -2     | 13            | 219   | -3     | 3        | 170      | 80       |
| 47887 MATSUYAMA          | 3351N    | 13240E    | 34        |           | 1004.0       | 1007.8         | 27.8        | .6     | 25.0           | -9     | 10            | 70    | -28    | 3        | 204      | 94       |
| 47891 TAKAMATSU          | 3419N    | 13400E    | 14        |           | 1006.3       | 1007.9         | 28.5        | 1.4    | 26.2           | -1.2   | 7             | 51    | -42    | 2        | 176      | 76       |
| 47899 MURATOMISAKI       | 3315N    | 13410E    | 187       |           | 986.9        | 1007.9         | 26.3        | .4     | 28.1           | -8     | 14            | 239   | 4      | 3        | 221      | 98       |
| 47909 NAZE               | 2823N    | 12930E    | 8         |           | 1007.0       | 1007.9         | 28.2        | .1     | 29.2           | -8     | 15            | 186   | -125   | 2        | 164      | 86       |
| 47918 ISHIGAKIJIMA       | 2420N    | 12410E    | 11        |           | 1006.4       | 1008.1         | 29.5        | .7     | 31.3           | -3     | 7             | 113   | -122   | 1        | 277      | 118      |
| 47927 MIYAKOJIMA         | 2448N    | 12510E    | 42        |           | 1003.6       | 1008.3         | 28.5        | .5     | 30.7           | -3     | 9             | 142   | -84    | 2        | 232      | 98       |
| 47936 NAHA               | 2612N    | 12740E    | 28        |           | 1005.2       | 1008.3         | 29.0        | .9     | 28.9           | -1.7   | 11            | 140   | -118   | 2        | 243      | 106      |
| 47945 MINAMIDAITOJIMA    | 2550N    | 13110E    | 21        |           | 1006.4       | 1008.7         | 28.3        | .4     | 30.0           | -9     | 10            | 183   | -9     | 3        | 227      | 97       |
| 47971 CHICHIJIMA         | 2706N    | 14210E    | 8         |           | 1008.8       | 1009.7         | 28.1        | .6     | 29.6           | -7     | 11            | 51    | -38    | 2        | 231      | 106      |
| 47991 MINAMITORISHIMA    | 2417N    | 15350E    | 9         |           | 1011.7       | 1012.7         | 27.0        | -8     | 29.8           | -1     | 19            | 403   | 236    |          | 153      | 59       |
| <b>THAILAND</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 48327 CHIANG MAI         | 1847N    | 09859E    | 314       |           | 971.5        | 1006.6         | 27.3        | .7     | 28.9           | .9     | 20            | 171   | -65    | 2        | 92       | 64       |
| 48354 UDON THANI         | 1723N    | 10240E    | 178       |           | 985.2        | 1005.3         | 27.7        | .2     | 30.6           | .8     | 18            | 158   | -118   | 1        |          |          |
| 48378 PHITSANULOK        | 1647N    | 10010E    | 46        |           | 1001.2       | 1006.4         | 27.9        | .1     | 31.0           | 1.1    | 12            | 285   | 28     | 4        | 142      | 86       |
| 48400 NAKHON SAWAN       | 1548N    | 10010E    | 35        |           | 1002.3       | 1006.3         | 28.2        | -2     | 31.2           | 1.2    | 12            | 217   | 22     | 3        | 167      | 99       |
| 48431 NAKHON RATCHASIMA  | 1458N    | 10200E    | 187       |           | 985.3        | 1006.4         | 28.1        | .5     | 30.0           | 1.8    | 16            | 187   | 59     | 5        |          |          |
| 48455 BANGKOK            | 1344N    | 10030E    | 4         |           | 1006.6       | 1007.1         | 29.1        | 1.0    | 30.1           | .2     | 19            | 172   | -25    | 3        | 149      | 93       |
| 48462 ARANYAPRATHET      | 1342N    | 10230E    | 49        |           | 1001.7       | 1007.3         | 28.2        | .8     | 30.4           | .4     | 14            | 179   | -23    | 3        |          |          |
| 48480 CHANTHA BURI       | 1237N    | 10200E    | 4         |           | 1007.4       | 1007.8         | 27.9        | .9     | 30.9           | .3     | 20            | 357   | -157   | 1        | 139      | 109      |
| 48500 PRACHUAP KHIRIKHAN | 1150N    | 09950E    | 5         |           | 1007.0       | 1007.7         | 28.6        | 1.1    | 28.1           | -5     | 4             | 20    | -83    | 0        |          |          |
| 48517 CHUMPHON           | 1029N    | 09911E    | 6         |           | 1007.8       | 1008.5         | 28.0        | 1.1    | 29.1           | -2     | 10            | 76    | -130   | 1        |          |          |

# SURFACE

# AUGUST 2008

| 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>48568 SONGKHLA</b>    | 0712N    | 10030E    | 7         |           | 1008.0       | 1008.7         | 27.9        | -4     | 29.4           | .7     | 13            | 212   | 112    | 5        | 225      | 106      |
| <b>VIET NAM</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 48806 SON LA             | 2120N    | 10350E    | 676       |           | 930.3        | 1005.0         | 25.1        |        | 27.0           |        | 15            | 246   |        | 2        | 157      | 95       |
| 48808 CAO BANG           | 2240N    | 10610E    | 244       |           | 977.1        | 1004.6         | 26.7        |        | 30.4           |        | 17            | 312   |        | 4        | 140      |          |
| 48820 HA NOI             | 2102N    | 10540E    | 6         |           | 1002.8       | 1003.6         | 29.0        |        | 32.9           |        | 13            | 305   |        | 4        | 124      | 70       |
| 48826 PHU LIEN           | 2048N    | 10630E    | 116       |           | 991.2        | 1004.4         | 27.5        |        | 33.7           |        | 15            | 373   |        | 6        | 141      | 80       |
| 48830 LANG SON           | 2150N    | 10640E    | 263       |           | 974.9        | 1004.5         | 26.5        |        | 29.9           |        | 16            | 319   |        | 4        | 153      | 90       |
| 48840 THANH HOA          | 1945N    | 10540E    | 5         |           | 1003.2       | 1003.8         | 28.4        |        | 32.6           |        | 12            | 145   |        | 3        | 169      | 95       |
| 48845 VINH               | 1840N    | 10540E    | 6         |           | 1003.3       | 1004.0         | 29.7        |        | 30.9           |        | 10            | 165   |        | 3        | 209      | 105      |
| 48848 DONG HOI           | 1729N    | 10630E    | 8         |           | 1003.9       | 1004.7         | 29.6        |        | 29.2           |        | 5             | 66    |        | 5        | 211      | 105      |
| 48852 HUE                | 1626N    | 10730E    | 10        |           | 1004.1       | 1005.1         | 28.2        |        | 30.0           |        | 7             | 64    |        |          | 189      | 85       |
| <b>48855 DA NANG</b>     | 1604N    | 10820E    | 7         |           | 1004.8       | 1005.6         | 28.6        |        | 30.2           |        | 10            | 57    |        | 2        | 202      | 95       |
| 48870 QUY NHON           | 1346N    | 10910E    | 6         |           | 1005.3       | 1006.0         | 29.3        |        | 29.4           |        | 5             | 76    |        | 3        | 233      | 100      |
| 48877 NHA TRANG          | 1213N    | 10910E    | 4         |           | 1005.7       | 1006.2         | 28.2        |        | 29.6           |        | 8             | 80    |        | 4        | 240      |          |
| 48887 PHAN THIET         | 1056N    | 10800E    | 8         |           | 1007.1       | 1007.9         | 27.0        |        | 29.9           |        | 13            | 120   |        | 2        | 236      | 115      |
| 48914 CA MAU             | 0911N    | 10500E    | 2         |           | 1008.3       | 1008.5         | 27.4        |        | 31.2           |        | 19            | 241   |        | 1        | 172      | 115      |
| 48917 PHU QUOC           | 1013N    | 10350E    | 4         |           | 1008.5       | 1009.1         | 28.0        |        | 31.3           |        | 19            | 337   |        | 3        | 152      |          |
| <b>CHINA</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>50527 HAILAR</b>      | 4913N    | 11940E    | 611       |           | 936.7        | 1005.7         | 19.4        | 2.2    | 11.3           | -3.0   | 6             | 32    | -57    | 1        | 235      | 86       |
| <b>50745 QIQIHAR</b>     | 4723N    | 12350E    | 148       |           | 990.0        | 1007.2         | 22.4        | 1.5    | 16.7           | -1.3   | 7             | 37    | -57    | 1        | 259      | 96       |
| <b>51076 ALTAY</b>       | 4744N    | 08805E    | 737       |           | 925.5        | 1007.9         | 20.5        | .2     | 9.8            | -7     | 4             | 12    | -1     | 3        | 329      | 101      |
| 51431 YINING             | 4357N    | 08120E    | 664       |           | 933.3        | 1007.1         | 23.5        | 1.7    | 12.0           | -1.4   | 1             | 10    | -1     | 3        | 298      | 95       |
| <b>51463 WU LU MU QI</b> | 4348N    | 08739E    | 947       |           | 905.8        | 1008.1         | 23.5        |        | 9.9            |        | 3             | 17    |        | 3        | 310      | 100      |
| <b>51709 KASHI</b>       | 3928N    | 07559E    | 1291      |           | 865.7        | 1001.6         | 26.1        | 1.7    | 10.8           | -2.2   | 0             | T     | -8     | 1        | 296      | 104      |
| <b>51777 RUOQIANG</b>    | 3902N    | 08810E    | 889       |           | 905.9        | 1002.2         | 25.0        | -1.0   | 11.1           | .7     | 2             | 10    | 8      | 5        | 308      | 101      |
| <b>51828 HOTAN</b>       | 3708N    | 07956E    | 1375      |           | 856.7        | 1000.4         | 26.8        | 2.4    | 9.0            | -4.0   | 0             | T     | -3     | 2        | 252      | 110      |
| <b>52203 HAMI</b>        | 4249N    | 09331E    | 739       |           | 922.0        | 1003.0         | 24.7        | -5     | 11.7           | .3     | 2             | 21    | 17     | 5        | 333      | 101      |
| <b>52533 JIUQUAN</b>     | 3946N    | 09829E    | 1478      |           | 848.3        | 1005.8         | 19.8        | -6     | 11.3           | -2     | 2             | 7     | -10    | 1        | 305      | 108      |
| <b>52836 DOULAN</b>      | 3618N    | 09806E    | 3190      |           | 692.6        |                | 12.8        | -1.4   | 5.8            | -1.1   | 3             | 20    | -9     | 2        | 291      | 104      |
| <b>53068 ERENHOT</b>     | 4339N    | 11200E    | 966       |           | 899.4        | 1004.9         | 22.4        | 1.6    | 10.5           | -1.4   | 4             | 36    | -3     | 3        | 304      | 103      |
| <b>53614 YINCHUAN</b>    | 3828N    | 10610E    | 1112      |           | 885.3        | 1005.7         | 21.9        | .3     | 14.5           | -2.9   | 2             | 36    | -15    | 3        | 272      | 100      |
| <b>53772 TAIYUAN</b>     | 3747N    | 11230E    | 779       |           | 921.3        | 1007.3         | 23.5        | 1.7    | 17.0           | -2.7   | 9             | 45    | -49    | 1        | 235      | 103      |
| 54292 YANJI              | 4252N    | 12930E    | 178       |           | 979.3        | 1009.0         | 21.1        | -2     | 19.0           | -1.2   | 8             | 70    | -64    | 2        | 198      | 109      |
| <b>54342 SHENYANG</b>    | 4144N    | 12331E    | 43        |           | 1001.8       | 1007.5         | 23.2        | -4     | 22.2           | -4     | 7             | 109   | -48    | 2        | 240      | 108      |
| <b>54511 BEIJING</b>     | 3956N    | 11610E    | 55        |           | 1003.0       | 1006.7         | 26.1        | 1.5    | 22.8           | -1.3   | 8             | 132   | -50    | 3        | 185      | 81       |
| <b>54857 QINGDAO</b>     | 3604N    | 12020E    | 77        |           | 998.7        | 1007.3         | 25.1        | -2     | 26.5           | -3     | 12            | 205   | 49     | 4        | 209      | 94       |
| <b>55591 LHASA</b>       | 2940N    | 09108E    | 3650      |           | 653.8        |                | 15.0        | .5     | 9.8            | -8     | 18            | 163   | 41     | 5        | 196      | 86       |
| <b>56137 QAMDO</b>       | 3109N    | 09710E    | 3307      |           | 682.4        |                | 14.9        | -5     | 11.0           | .1     | 22            | 172   | 79     | 5        | 134      | 67       |
| <b>56571 XICHANG</b>     | 2754N    | 10210E    | 1599      |           | 836.6        |                | 21.8        | -3     | 19.3           | -1     | 15            | 169   | -8     | 3        | 104      | 52       |
| <b>56739 TENGCHONG</b>   | 2507N    | 09829E    | 1649      |           | 831.0        |                | 20.1        | .3     | 19.5           | -7     | 21            | 159   | -90    | 1        | 115      | 104      |
| 56778 KUNMING            | 2501N    | 10240E    | 1892      |           | 808.5        |                | 19.8        | .7     | 18.0           | -4     | 17            | 203   | -2     | 4        | 101      | 63       |
| <b>56985 MENGZI</b>      | 2323N    | 10320E    | 1302      |           | 865.4        | 1003.9         | 23.2        |        | 21.2           |        | 16            | 156   |        | 4        | 155      | 100      |
| <b>57083 ZHENGZHOU</b>   | 3443N    | 11330E    | 111       |           | 993.9        | 1006.6         | 26.8        | 1.0    | 25.4           | -9     | 6             | 59    | -58    | 2        | 148      | 69       |

# SURFACE

# AUGUST 2008

| 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>57461 YICHANG</b>               | 3042N    | 11110E    | 134       |           | 990.7        | 1006.0         | 27.0        | -.6    | 26.7           | -1.7   | 13            | 357   | 172    | 5        | 132      | 62       |
| <b>57745 ZHIJIANG</b>              | 2727N    | 10940E    | 273       |           | 974.9        | 1005.8         | 26.0        | -1.0   | 25.4           | -2.3   | 11            | 130   | 8      | 4        | 107      | 45       |
| <b>57993 GANZHOU</b>               | 2552N    | 11500E    | 138       |           | 989.9        | 1005.5         | 29.9        | .9     | 25.2           | -3.3   | 2             | 8     | -114   | 0        | 261      | 103      |
| <b>58362 SHANGHAI</b>              | 3124N    | 12120E    | 8         |           | 1005.9       | 1006.7         | 28.4        |        | 28.7           |        | 11            | 114   |        | 3        | 166      | 70       |
| <b>58606 NANCHANG</b>              | 2836N    | 11550E    | 50        |           | 1000.1       | 1005.5         | 29.5        | .3     | 29.5           | -.7    | 4             | 68    | -35    | 2        | 222      | 84       |
| <b>59287 GUANGZHOU</b>             | 2310N    | 11320E    | 42        |           | 1001.4       | 1006.1         | 29.3        | 1.0    | 29.2           | -2.2   | 8             | 188   | -32    | 3        | 169      | 86       |
| <b>59316 SHANTOU</b>               | 2324N    | 11640E    | 3         |           | 1006.1       | 1006.5         | 28.5        | .5     | 31.8           | .3     | 7             | 163   | -51    | 2        | 228      | 99       |
| <b>59431 NANNING</b>               | 2238N    | 10810E    | 126       |           | 990.9        | 1004.8         | 27.4        | -.6    | 29.5           | -1.2   | 11            | 317   | 103    | 4        | 163      | 81       |
| <b>59758 HAIKOU</b>                | 2002N    | 11020E    | 24        |           | 997.6        | 1004.9         | 27.6        | -.2    | 28.6           | -3.2   | 13            | 347   | 123    | 5        | 207      | 92       |
| <b>AFRICA</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>MADEIRA</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 08522 FUNCHAL                      | 3238N    | 01654W    | 58        |           | 1011.8       | 1018.5         | 23.7        | 1.4    | 19.7           | -.4    | 0             | 0     | -3     | 2        | 265      | 110      |
| <b>SPAIN (CANARY ISLANDS)</b>      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60001 HIERRO/AEROPUERTO            | 2749N    | 01753W    | 32        |           | 1012.6       | 1016.3         | 23.7        |        | 21.3           |        | 0             | T     |        |          | 186      | 80       |
| 60005 LA PALMA/AEROPUERTO          | 2837N    | 01745W    | 31        |           | 1013.8       | 1017.4         | 24.4        |        | 21.4           |        | 0             | 0     |        | 4        | 171      |          |
| <b>60010 IZANA</b>                 | 2819N    | 01630W    | 2371      |           | 773.6        |                | 19.9        |        | 5.0            |        | 0             | 0     |        | 5        | 368      | 100      |
| 60020 STA. CRUZ DE TENERIFE        | 2827N    | 01615W    | 36        |           | 1011.1       | 1015.5         | 25.3        | .2     | 19.9           | 1.7    | 0             | 0     | -1     | 4        | 313      | 101      |
| 60030 LAS PALMAS DE GRAN CANARIA/G | 2756N    | 01523W    | 47        |           | 1008.7       | 1014.2         | 24.1        | .0     | 18.0           | -1.4   | 0             | 0     | 0      | 5        | 271      | 94       |
| 60035 FUERTEVENTURA/AEROPUERTO     | 2827N    | 01352W    | 30        |           | 1011.4       | 1014.8         | 25.7        |        | 22.4           |        | 0             | 0     |        |          | 271      | 95       |
| 60040 LANZAROTE/AEROPUERTO         | 2857N    | 01336W    | 21        |           | 1012.2       | 1014.6         | 25.5        | .8     | 20.2           | .0     | 0             | 0     | -1     | 5        | 378      | 139      |
| <b>WESTERN SAHARA</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60096 DAKHLA                       | 2343N    | 01556W    | 12        |           | 1012.8       | 1014.2         | 22.5        |        |                |        | 0             | 0     |        | 0        | 182      | 70       |
| <b>MOROCCO</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60101 TANGER (AERODROME)           | 3544N    | 00554W    | 21        |           | 1013.1       | 1014.9         | 23.5        | -.4    | 19.2           |        | 0             | 0     | -2     | 0        | 344      | 105      |
| 60135 RABAT-SALE                   | 3403N    | 00646W    | 84        |           | 1005.8       | 1014.8         | 21.9        | -.5    | 21.0           |        | 0             | 0     | -1     | 0        | 80       |          |
| 60150 MEKNES                       | 3353N    | 00532W    | 576       |           | 951.3        | 1013.6         | 25.5        | .2     | 14.1           |        | 0             | 0     | -1     | 0        | 347      | 80       |
| 60155 CASABLANCA                   | 3334N    | 00740W    | 57        |           | 1007.7       | 1014.4         | 22.7        | .0     | 23.0           |        | 0             | 0     | -1     | 0        | 325      | 75       |
| <b>60195 MIDELT</b>                | 3241N    | 00444W    | 1515      |           | 853.4        | 1550 Y         | 26.9        | 2.7    | 10.9           |        | 2             | 6     | -1     | 3        | 292      | 70       |
| 60230 MARRAKECH                    | 3137N    | 00802W    | 468       |           | 960.6        | 1008.3         | 29.1        | .8     | 14.7           |        | 0             | 0     | -3     | 2        | 329      | 100      |
| <b>60265 OUARZAZATE</b>            | 3056N    | 00654W    | 1140      |           | 889.0        | 1539 Y         | 30.4        | 1.6    | 6.7            |        | 3             | 14    | 9      | 4        | 271      | 65       |
| <b>SPAIN (CEUTA AND MELILLA)</b>   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60338 MELILLA                      | 3517N    | 00257W    | 55        |           | 1007.5       | 1013.7         | 27.0        | 1.7    | 23.8           | 1.5    | 0             | 0     | -1     | 3        | 304      | 120      |
| <b>ALGERIA</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 60351 JIJEL-ACHOUAT      | 3648N    | 00553E    | 10        |           | 1012.3       | 1013.6         | 26.0        |        | 24.2           |        | 1             | 1     |        |          | 333      | 80       |
| 60353 JIJEL-PORT         | 3649N    | 00553E    | 6         |           | 1012.9       | 1013.6         | 26.6        |        | 26.6           |        | 1             | 1     |        |          | 334      |          |
| 60355 SKIKDA             | 3653N    | 00654E    | 3         |           | 1013.2       | 1014.4         | 26.7        | 2.1    | 23.5           |        | 0             | 0     | -9     | 1        | 344      | 80       |
| 60360 ANNABA             | 3650N    | 00749E    | 4         |           | 1013.1       | 1014.1         | 25.6        | .6     | 24.1           |        | 00            | T     | -8     | 1        | 354      | 85       |
| 60367 EL-KALA            | 3654N    | 00827E    | 13        |           | 1013.6       | 1015.1         | 27.2        |        | 26.2           |        | 0             | 0     |        | 5        |          |          |
| 60387 DELLYS             | 3655N    | 00357E    | 8         |           | 1012.3       | 1013.0         | 25.1        |        | 24.5           |        | 0             | 0     |        |          | 172      |          |
| 60390 DAR-EL-BEIDA       | 3641N    | 00313E    | 29        |           | 1010.7       | 1014.0         | 26.2        | 1.0    | 23.6           |        | 0             | 0     | -7     | 1        | 122      | 80       |
| 60395 TIZI-OUZOU         | 3642N    | 00403E    | 189       |           | 995.4        | 1012.9         | 27.7        |        | 20.5           |        | 0             | 0     |        |          | 315      | 75       |
| 60401 BEJAIA-PORT        | 3645N    | 00506E    | 4         |           | 1013.6       | 1014.1         | 27.2        |        | 25.1           |        | 2             | 2     |        |          |          |          |
| 60402 BEJAIA-AEROPORT    | 3643N    | 00504E    | 3         |           | 1013.4       | 1014.3         | 25.7        | .9     | 25.4           |        | 2             | 4     | -9     | 3        | 322      | 110      |
| 60403 GUELMA             | 3628N    | 00728E    | 228       |           | 988.3        | 1014.0         | 27.5        |        | 19.2           |        | 2             | 4     |        |          | 338      |          |
| 60405 BOUCHEGOUF         | 3630N    | 00743E    | 111       |           | 1000.1       | 1013.1         | 24.5        |        | 18.1           |        | 2             | 10    |        |          |          |          |
| 60415 AIN-BESSAM         | 3619N    | 00332E    | 748       |           | 930.9        | 1545 Y         | 26.8        |        | 14.9           |        | 0             | 0     |        |          | 353      | 85       |
| 60417 BOUIRA             | 3623N    | 00353E    | 560       |           | 950.6        | 1012.2         | 27.6        |        | 16.6           |        | 2             | 5     |        |          | 345      | 80       |
| 60419 CONSTANTINE        | 3617N    | 00637E    | 694       |           | 937.3        | 1013.1         | 26.2        | 1.0    | 17.7           |        | 6             | 34    | 22     | 6        | 328      | 75       |
| 60421 OUM EL BOUAGHI     | 3552N    | 00707E    | 891       |           | 915.1        | 1537 Y         | 26.4        |        | 15.5           |        | 6             | 40    |        |          | 316      |          |
| 60423 SOUK AHRAS         | 3617N    | 00758E    | 680       |           | 922.6        | 1539 Y         | 26.2        |        | 18.9           |        | 2             | 7     |        |          | 333      |          |
| 60430 MILIANA            | 3618N    | 00214E    | 721       |           | 934.4        | 1012.9         | 27.7        | 1.1    | 16.1           |        | 1             | 22    | 15     | 5        | 351      |          |
| 60437 MEDEA              | 3617N    | 00244E    | 1036      |           | 898.7        | 1522 Y         | 26.3        |        | 16.1           |        | 01            | 1     |        |          | 355      |          |
| 60444 BORDJ-BOU-ARRERIDJ | 3604N    | 00446E    | 930       |           |              | 1545 Y         | 27.3        |        | 13.7           |        | 2             | 16    |        |          | 352      |          |
| 60445 SETIF              | 3611N    | 00515E    | 1040      |           | 903.3        | 1544 Y         | 25.6        |        | 14.6           |        | 4             | 19    |        |          | 349      |          |
| 60452 ARZEW              | 3549N    | 00016W    | 4         |           | 1013.0       | 1013.5         | 26.7        |        | 25.2           |        | 0             | 0     |        |          |          |          |
| 60457 MOSTAGANEM         | 3553N    | 00007E    | 138       |           | 997.1        | 1013.2         | 26.1        |        | 23.7           |        |               |       |        |          | 338      |          |
| 60461 ORAN-PORT          | 3542N    | 00039W    | 22        |           | 1011.1       | 1013.7         | 25.7        |        | 26.3           |        | 0             | 0     |        |          |          |          |
| 60467 M'SILA             | 3540N    | 00430E    | 442       |           | 962.8        | 1011.1         | 31.8        |        | 18.1           |        | 2             | 3     |        |          | 332      | 85       |
| 60468 BATNA              | 3545N    | 00619E    | 826       |           | 922.8        | 1542 Y         | 26.6        | 2.3    | 14.5           |        | 5             | 33    | 16     | 5        | 331      |          |
| 60475 TEBESSA            | 3525N    | 00807E    | 823       |           | 923.6        | 1546 Y         | 27.2        | 2.3    | 17.5           |        | 3             | 19    | -6     | 4        | 325      | 75       |
| 60476 KHENCHELLA         | 3528N    | 00705E    | 987       |           | 906.3        | 1546 Y         | 26.3        |        | 15.0           |        | 8             | 58    |        |          | 296      |          |
| 60490 ORAN-SENIA         | 3538N    | 00036W    | 91        |           | 1002.9       | 1013.3         | 26.4        | .9     | 23.2           |        | 0             | 0     | -1     | 2        | 346      | 85       |
| 60511 TIARET             | 3521N    | 00128E    | 978       |           | 906.3        | 1536 Y         | 27.1        |        | 12.7           |        | 1             | 2     |        |          | 347      | 85       |
| 60514 KSAR CHELLALA      | 3510N    | 00219E    | 801       |           | 925.9        | 1594 Y         | 29.7        |        | 13.0           |        | 2             | 3     |        |          | 346      | 85       |
| 60515 BOU-SAADA          | 3520N    | 00412E    | 461       |           | 962.5        | 1012.8         | 24.7        |        | 16.0           |        | 3             | 3     |        |          | 316      |          |
| 60518 BENI-SAF           | 3518N    | 00121W    | 70        |           | 1004.2       | 1012.2         | 26.5        |        | 26.2           |        |               |       |        |          | 330      | 80       |
| 60520 SIDI-BEL-ABBES     | 3512N    | 00037W    | 476       |           | 958.6        | 1012.5         | 26.9        |        | 16.0           |        | 0             | 0     |        |          | 353      |          |
| 60522 MAGHANIA           | 3449N    | 00147W    | 428       |           | 965.9        | 1013.4         | 27.4        |        | 17.7           |        | 0             | 0     |        |          | 342      |          |
| 60525 BISKRA             | 3448N    | 00544E    | 89        |           | 1002.2       | 1012.1         | 34.4        | 1.6    | 16.0           |        | 01            | 1     | -5     | 1        | 340      |          |
| 60531 TLEMEN-CEN-ZENATA  | 3501N    | 00128W    | 247       |           | 986.0        | 1013.9         | 26.5        |        | 23.2           |        | 0             | 0     |        |          | 340      | 70       |
| 60535 DJELFA             | 3420N    | 00323E    | 1185      |           | 884.7        | 1535 Y         | 26.6        | 1.7    | 12.1           |        | 3             | 78    | 60     | 6        | 311      | 75       |
| 60536 SAIDA              | 3452N    | 00009E    | 752       |           | 929.9        | 1539 Y         | 28.3        |        | 14.1           |        | 01            | 1     |        |          | 339      |          |
| 60545 LAGHOUAT           | 3346N    | 00256E    | 763       |           | 928.6        | 1017.1         | 31.5        |        | 13.4           |        | 2             | 13    |        |          | 259      | 60       |
| 60549 MECHERIA           | 3335N    | 00017W    | 1150      |           | 891.8        | 1546 Y         | 29.5        |        | 11.6           |        | 4             | 13    |        |          | 314      | 75       |
| 60550 EL-BAYADH          | 3340N    | 00100E    | 1347      |           | 154.6        |                | 28.1        |        | 8.2            |        | 2             | 12    |        |          | 317      |          |
| 60555 TOUGGOURT          | 3307N    | 00608E    | 92        |           | 1001.5       | 1011.7         | 34.2        |        | 18.3           |        | 0             | 0     |        |          | 337      |          |
| 60557 NAAMA              | 3316N    | 00018W    | 1166      |           | 886.7        | 1539 Y         | 29.2        |        | 10.5           |        | 2             | 7     |        |          | 309      |          |
| 60559 EL-OUED            | 3330N    | 00647E    | 69        |           | 1004.0       | 1011.6         | 34.0        | 1.6    | 17.3           |        | 0             | 0     | -1     | 4        | 338      |          |
| 60560 AIN-SEFRA          | 3246N    | 00036W    | 1059      |           | 895.1        | 1521 Y         | 30.0        |        | 12.7           |        | 4             | 15    |        |          | 303      |          |



# SURFACE

# AUGUST 2008

| 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. |
| 60563 HASSIR'MEL         | 3256N    | 00317E    | 764       |           | 928.3        | 1527 Y         | 32.5        |        | 14.0           |        | 0             | 0     |        |          | 322      | 80       |
| 60566 GHARDAIA           | 3224N    | 00348E    | 469       |           | 960.3        | 1011.1         | 34.9        | 2.4    | 12.0           |        | 1             | 1     | 0      | 5        | 310      |          |
| 60571 BECHAR             | 3130N    | 00215W    | 816       |           | 923.6        | 1551 Y         | 34.5        | 1.9    | 11.9           |        | 1             | 4     | 3      | 4        | 308      | 75       |
| 60580 OUARGLA            | 3156N    | 00524E    | 148       |           | 994.1        | 1010.2         | 36.0        |        | 16.9           |        | 0             | 0     |        |          | 308      |          |
| 60581 HASSI-MESSAOUD     | 3140N    | 00609E    | 144       |           | 994.6        | 1010.4         | 35.7        | 2.0    | 14.1           |        | 0             | 0     | -1     | 5        | 332      |          |
| 60590 EL-GOLEA           | 3034N    | 00252E    | 403       |           | 966.8        | 1010.6         | 34.8        | 2.5    | 12.1           |        | 0             | 0     | -1     | 5        | 320      | 75       |
| 60602 BENI-ABBES         | 3008N    | 00210W    | 505       |           | 953.8        | 1007.7         | 36.6        | 2.0    | 10.0           |        | 0             | 0     | -1     | 4        | 313      |          |
| 60607 TIMMOUN            | 2915N    | 00017E    | 317       |           | 974.2        | 1008.6         | 36.6        | 1.7    | 7.5            |        | 0             | 0     | -1     | 5        | 313      |          |
| 60620 ADRAR              | 2753N    | 00011W    | 283       |           | 977.3        | 1008.1         | 37.3        | 1.9    | 8.4            |        | 0             | 0     | -1     | 5        | 331      |          |
| 60630 IN-SALAH           | 2714N    | 00230E    | 269       |           | 978.3        | 1007.6         | 37.1        | .6     | 9.1            |        | 0             | 0     | -1     | 4        | 360      | 85       |
| 60640 ILLIZI             | 2630N    | 00825E    | 544       |           | 949.7        | 1008.5         | 33.5        |        | 10.9           |        | 0             | 0     |        |          | 371      |          |
| 60656 TINDOUF            | 2742N    | 00810W    | 443       |           | 959.1        | 1007.2         | 36.1        |        | 9.7            |        | 1             | 1     |        |          |          |          |
| 60670 DJANET             | 2416N    | 00928E    | 970       |           | 904.9        | 1525 Y         | 31.2        | .8     | 7.3            |        | 0             | 0     | -1     | 5        | 363      | 100      |
| 60680 TAMANRASSET        | 2248N    | 00526E    | 1364      |           | 863.7        | 1518 Y         | 28.9        | .7     | 8.5            |        | 4             | 15    | 10     | 5        | 286      | 90       |
| 60686 BORDJ-BADJ-MOKHTAR | 2120N    | 00057E    | 399       |           | 962.6        | 1005.7         | 34.6        |        | 15.0           |        | 2             | 24    |        |          | 196      |          |
| <b>TUNISIA</b>           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 60715 TUNIS-CARTHAGE     | 3650N    | 01014E    | 4         |           | 1013.7       | 1014.2         | 28.8        | 2.0    | 22.6           |        | 0             | 0     | -7     | 0        | 361      | 110      |
| 60725 JENDOUBA           | 3629N    | 00848E    | 144       |           | 997.6        | 1013.7         | 29.3        | 2.2    | 20.8           |        | 1             | 22    | 7      | 2        | 313      | 99       |
| 60735 KAIROUAN           | 3540N    | 01006E    | 68        |           | 1006.1       | 1013.8         | 30.1        | 1.4    | 18.9           |        | 2             | 22    | 9      | 2        | 349      | 104      |
| 60745 GAFSA              | 3425N    | 00849E    | 314       |           | 977.9        | 1012.6         | 30.6        | 1.9    | 15.3           |        | 1             | 6     | -2     | 3        | 278      | 82       |
| 60765 GABES              | 3353N    | 01006E    | 5         |           | 1012.6       | 1013.2         | 29.0        | 1.6    | 21.4           |        | 0             | 0     | -1     | 5        | 346      | 98       |
| <b>NIGER</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 61017 BILMA              | 1841N    | 01255E    | 357       |           | 967.2        | 1006.0         | 33.8        |        | 20.6           |        | 3             | 9     |        | 4        | 305      | 95       |
| 61036 TILLABERY          | 1412N    | 00127E    | 210       |           | 985.5        | 1008.9         | 28.9        |        | 27.2           |        | 10            | 236   |        | 4        | 248      | 95       |
| 61043 TAHOUA             | 1454N    | 00515E    | 391       |           | 965.4        | 1008.5         | 28.5        |        | 25.9           |        | 8             | 150   |        | 4        | 264      | 100      |
| 61045 GOURE              | 1359N    | 01018E    | 464       |           |              |                | 28.0        |        | 24.6           |        | 11            | 148   |        | 1        | 262      |          |
| 61049 N'GUIGMI           | 1415N    | 01307E    | 286       |           | 976.0        | 1007.9         | 29.6        |        | 25.4           |        | 6             | 62    |        | 2        | 259      | 105      |
| 61052 NIAMEY-AERO        | 1329N    | 00210E    | 227       |           | 984.1        | 1008.9         | 28.0        |        | 26.8           |        | 14            | 161   |        | 2        | 203      | 80       |
| 61075 BIRNI-N'KONNI      | 1348N    | 00515E    | 273       |           | 978.6        | 1009.0         | 27.7        |        | 27.1           |        | 15            | 166   |        | 2        | 210      | 85       |
| 61080 MARADI             | 1328N    | 00705E    | 373       |           | 966.3        | 1007.7         | 27.0        |        | 26.1           |        | 17            | 157   |        | 1        | 233      | 95       |
| 61091 MAGARIA            | 1259N    | 00856E    | 403       |           | 964.8        | 1009.6         | 26.4        |        | 26.2           |        | 16            | 258   |        | 4        | 215      | 90       |
| 61099 GAYA               | 1153N    | 00327E    | 203       |           |              |                | 26.6        |        | 27.9           |        | 15            | 241   |        | 3        | 200      | 95       |
| <b>MALI</b>              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 61202 TESSALIT           | 2012N    | 00059E    | 494       |           | 954.4        | 1006.1         | 33.7        |        | 16.4           |        | 5             | 19    | -7     |          | 244      | 158      |
| 61223 TOMBOUCTOU         | 1643N    | 00300W    | 264       |           | 979.9        | 1008.8         | 30.8        |        | 25.1           |        | 8             | 89    | 26     | 3        | 282      | 111      |
| 61233 NARA               | 1510N    | 00717W    | 271       |           |              |                | 27.5        | -5     | 27.0           |        |               | 160   | 21     |          |          |          |
| 61240 HOMBORI            | 1520N    | 00141W    | 288       |           |              | 1008.7         | 29.9        | .3     | 26.0           |        | 8             | 66    | -43    | 0        | 247      | 98       |
| 61257 KAYES              | 1426N    | 01126W    | 47        |           |              |                | 27.8        | .2     | 29.6           |        | 15            | 402   | 204    | 5        | 220      | 99       |
| 61265 MOPTI              | 1431N    | 00406W    | 276       |           | 978.8        | 1009.0         | 27.5        | -3     | 27.4           |        | 13            | 221   | 66     |          |          |          |
| 61277 SAN                | 1320N    | 00450W    | 284       |           | 978.2        | 1009.8         | 27.2        | .4     | 28.1           |        | 20            | 157   | -55    | 1        | 224      | 95       |
| 61291 BAMAKO/SENOU       | 1232N    | 00757W    | 381       |           | 968.9        | 1009.6         | 25.4        | -7     | 27.4           |        | 19            | 375   | 141    |          | 214      | 98       |

# SURFACE

# AUGUST 2008

| 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. |
| 61293 KOUTIALA                      | 1223N    | 00528W    | 367       |           |              |                | 25.9        | .2     | 28.3           |        | 13            | 184   | -57    | 1        | 184      | 82       |
| <b>MAURITANIA</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 61401 BIR MOGHREIN                  | 2514N    | 01137W    | 364       |           | 968.1        | 1007.2         | 35.5        |        | 23.7           |        | 1             | 4     |        | 3        |          |          |
| 61404 ZOUERATE                      | 2245N    | 01229W    | 343       |           | 970.2        | 1007.4         | 35.2        |        | 14.2           |        | 5             | 17    |        | 5        |          |          |
| 61415 NOUADHIBOU                    | 2056N    | 01702W    | 5         |           | 1010.1       | 1010.6         | 24.2        |        | 23.5           |        | 0             | T     |        | 4        | 261      | 105      |
| 61421 ATAR                          | 2031N    | 01304W    | 226       |           | 984.0        | 1008.5         | 34.2        |        | 24.4           |        | 3             | 27    |        | 4        |          |          |
| 61442 NOUAKCHOTT                    | 1806N    | 01557W    | 3         |           | 1009.6       | 1010.0         | 28.7        |        | 29.3           |        | 3             | 27    |        |          | 255      |          |
| 61450 TIDJIKJA                      | 1834N    | 01126W    | 402       |           | 964.0        | 1008.0         | 31.5        |        | 22.0           |        | 4             | 42    |        | 4        |          |          |
| 61461 BOUTILIMIT                    | 1732N    | 01441W    | 77        |           | 1002.5       | 1010.9         | 30.1        |        | 22.9           |        | 7             | 56    |        | 3        |          |          |
| 61489 ROSSO                         | 1630N    | 01549W    | 6         |           | 1011.4       | 1012.1         | 29.7        |        | 28.5           |        | 6             | 57    |        | 1        |          |          |
| 61492 KAEDI                         | 1609N    | 01331W    | 18        |           | 1012.7       | 1014.6         | 30.0        |        | 27.8           |        | 6             | 152   |        | 5        |          |          |
| 61497 NEMA                          | 1636N    | 00716W    | 269       |           |              |                | 30.8        |        | 25.7           |        | 9             | 59    |        |          |          |          |
| 61498 KIFFA                         | 1638N    | 01124W    | 115       |           | 995.7        | 1008.7         | 30.7        |        | 29.9           |        | 9             | 192   |        | 6        |          |          |
| 61499 AIOUN EL ATROUSS              | 1642N    | 00936W    | 223       |           | 983.9        | 1008.7         | 30.4        |        | 26.2           |        | 8             | 118   |        | 5        |          |          |
| <b>SENEGAL</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 61600 SAINT-LOUIS                   | 1603N    | 01627W    | 4         |           | 1010.0       | 1010.5         | 28.3        |        | 32.7           | 2.3    | 14            | 80    | -14    | 1        | 215      | 87       |
| 61612 PODOR                         | 1639N    | 01458W    | 7         |           | 1009.0       | 1009.8         | 30.4        |        | 28.3           | 1.7    | 11            | 75    | -2     | 2        | 214      |          |
| 61627 LINGUERE                      | 1523N    | 01507W    | 21        |           |              |                | 28.3        |        | 29.5           | 1.0    | 14            | 169   | 27     | 2        | 217      | 95       |
| 61630 MATAM                         | 1539N    | 01315W    | 17        |           | 1008.4       | 1010.3         | 29.3        |        | 31.3           | 3.7    | 13            | 156   | 23     | 2        | 200      | 78       |
| 61641 DAKAR/YOFF                    | 1444N    | 01730W    | 27        |           | 1007.7       | 1010.9         | 27.7        |        | 29.9           | .5     | 14            | 164   | 0      | 2        |          |          |
| 61666 DIOURBEL                      | 1439N    | 01614W    | 9         |           | 1009.8       | 1010.7         | 28.1        |        | 33.0           | 4.4    | 13            | 196   | 11     | 2        | 191      |          |
| 61679 KAOLACK                       | 1408N    | 01604W    | 7         |           | 1011.1       | 1011.9         | 28.0        |        | 31.5           |        | 13            | 179   | -41    | 2        | 217      | 94       |
| 61687 TAMBACOUNDA                   | 1346N    | 01341W    | 50        |           | 1005.1       | 1010.7         | 27.1        |        | 28.6           | -4     | 17            | 289   | 62     | 3        | 171      | 86       |
| 61695 ZIGUINCHOR                    | 1233N    | 01616W    | 26        |           | 1008.9       | 1011.5         | 26.5        |        | 31.2           | 1.4    | 28            | 537   | 128    | 6        | 118      | 69       |
| 61698 KOLDA                         | 1253N    | 01458W    | 10        |           | 1010.2       | 1011.3         | 26.9        |        | 30.8           | 1.3    | 23            | 338   | 51     |          |          |          |
| 61699 KEDOUGOU                      | 1234N    | 01213W    | 178       |           | 992.8        | 1011.7         | 26.3        |        | 30.2           |        | 21            | 276   | -32    | 2        | 197      | 98       |
| <b>OCEAN ISLANDS</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 61901 ST. HELENA IS.                | 1556S    | 00540W    | 436       |           | 968.0        | 1019.0         | 16.5        |        |                |        | 12            | 41    |        |          | 141      | 145      |
| 61976 SERGE-FROLOW (ILE TROMELIN)   | 1548S    | 05430E    | 13        |           | 1015.9       | 1017.4         | 24.0        |        | 23.5           |        | 11            | 57    |        |          | 180      |          |
| 61996 MARTIN DE VIVIES (ILE AMSTER) | 3748S    | 07730E    | 29        |           |              | 1024.0         | 11.4        |        | 11.1           |        | 12            | 50    | -45    | 0        | 133      | 110      |
| 61998 PORT-AUX-FRANCAIS (ILES KERG) | 4918S    | 07012E    | 29        |           |              | 1004.9         | 1.5         | -5     | 5.7            |        | 10            | 86    | 20     |          | 96       | 91       |
| <b>MAURITIUS</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 61974 AGALEGA                       | 1026S    | 05645E    | 3         |           | 1012.7       | 1013.2         | 25.4        | .4     | 26.8           | 2.0    | 12            | 64    | 1      | 3        | 241      | 65       |
| 61986 ST. BRANDON (ST. RAPHAEL)     | 1627S    | 05937E    | 4         |           | 1016.4       | 1016.8         | 24.0        | .9     | 24.7           | 2.0    | 7             | 23    | -28    | 1        |          |          |
| 61988 RODRIGUES                     | 1941S    | 06325E    | 59        |           | 1012.9       | 1019.2         | 22.5        | 1.1    | 21.6           | 2.8    | 15            | 88    | 27     | 5        | 232      | 95       |
| 61990 PLAISANCE (MAURITIUS)         | 2026S    | 05741E    | 57        |           | 1014.2       | 1020.5         | 22.0        | 1.2    | 20.4           | 1.4    | 12            | 52    | -37    | 1        | 165      | 87       |
| 61995 VACOAS (MAURITIUS)            | 2018S    | 05730E    | 425       |           | 970.4        |                | 19.2        |        | 18.8           |        | 11            | 52    |        | 1        | 214      | 95       |
| <b>LIBYAN ARAB JAMAHIRIYA</b>       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 62002 NALUT                               | 3152N    | 01059E    | 621       |           | 943.6        | 1543 Y         | 28.6        |        | 15.8           |        | 0             | 0     |        | 4        | 358      | 105      |
| 62007 ZUARA                               | 3253N    | 01205E    | 3         |           | 1012.7       | 1013.0         | 28.3        |        | 29.1           |        | 0             | 0     |        | 5        | 347      | 105      |
| 62008 YEFREN                              | 3205N    | 01233E    | 691       |           | 936.1        | 1541 Y         | 27.8        |        | 16.5           |        | 01            | 1     |        |          | 358      |          |
| <b>62010 TRIPOLI INTERNATIONAL AIRPOR</b> | 3242N    | 01305E    | 63        |           | 1003.8       | 1013.1         | 28.4        |        | 21.1           |        | 0             | 0     |        | 5        | 336      | 95       |
| 62016 MISURATA                            | 3225N    | 01503E    | 32        |           | 1009.3       | 1012.8         | 27.9        |        | 28.4           |        | 1             | 1     |        | 5        | 357      | 105      |
| 62019 SIRTE                               | 3112N    | 01635E    | 14        |           | 1010.4       | 1011.8         | 27.9        |        | 30.0           |        | 0             | 0     |        | 5        | 354      | 100      |
| <b>62053 BENINA</b>                       | 3206N    | 02016E    | 132       |           | 996.5        | 1011.6         | 26.9        |        | 22.3           |        | 0             | 0     |        | 5        | 373      | 105      |
| 62055 AGEDABIA                            | 3043N    | 02010E    | 7         |           | 1011.2       | 1011.9         | 27.7        |        | 24.0           |        | 0             | 0     |        | 5        | 360      | 100      |
| 62056 SHAHAT                              | 3248N    | 02153E    | 649       |           | 938.8        | 1513 Y         | 23.7        |        | 20.4           |        | 0             | 0     |        | 4        |          |          |
| 62059 DERNA                               | 3247N    | 02235E    | 26        |           | 1008.1       | 1011.1         | 27.4        |        | 25.7           |        | 0             | 0     |        | 5        | 346      | 110      |
| 62103 GHADAMES                            | 3008N    | 00930E    | 347       |           | 971.4        | 1009.4         | 33.2        |        | 10.1           |        | 0             | 0     |        | 5        | 368      | 105      |
| 62120 GARIAT EL-SHARGHIA                  | 3023N    | 01335E    | 497       |           | 957.9        | 1555 Y         | 29.1        |        | 16.8           |        | 0             | 0     |        | 3        | 344      | 100      |
| <b>62124 SEBHA</b>                        | 2701N    | 01427E    | 435       |           | 962.0        | 1009.4         | 31.5        |        | 14.1           |        | 0             | 0     |        | 5        | 378      | 105      |
| <b>62131 HON</b>                          | 2907N    | 01557E    | 267       |           | 982.0        | 1011.8         | 30.1        |        | 15.6           |        | 0             | 0     |        | 5        | 364      | 100      |
| 62176 GIGHBUB                             | 2945N    | 02432E    | -1        |           | 1007.9       | 1007.8         | 30.7        |        | 20.0           |        | 0             | 0     |        | 5        | 367      | 105      |
| 62200 OBARI                               | 2636N    | 01247E    | 463       |           | 957.1        | 1009.5         | 29.7        |        | 11.2           |        | 0             | 0     |        |          | 381      |          |
| 62212 GHAT                                | 2508N    | 01009E    | 699       |           | 934.3        | 1537 Y         | 32.4        |        | 6.6            |        |               |       |        |          | 365      |          |
| 62259 TAZERBO                             | 2548N    | 02108E    | 261       |           | 981.1        | 1010.1         | 31.1        |        | 13.3           |        | 0             | 0     |        | 5        | 373      | 120      |
| <b>62271 KUFRA</b>                        | 2413N    | 02318E    | 436       |           | 963.1        | 1010.7         | 32.4        |        | 9.8            |        | 0             | 0     |        | 5        | 320      | 85       |
| <b>EGYPT</b>                              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>62306 MERSA MATRUH</b>                 | 3120N    | 02713E    | 28        |           | 1005.4       | 1008.8         | 26.7        | 1.2    | 25.6           | 1.5    | 0             | 0     |        | 3        | 396      | 111      |
| 62337 EL ARISH                            | 3105N    | 03349E    | 32        |           | 1002.6       | 1006.4         | 27.7        | 1.5    | 26.5           | 2.5    | 0             | 0     |        | 0        |          |          |
| 62378 HELWAN                              | 2952N    | 03120E    | 141       |           | 990.4        | 1006.6         | 30.1        | 2.5    | 19.9           | .4     | 0             | 0     |        | 5        | 353      | 105      |
| <b>62414 ASSWAN</b>                       | 2358N    | 03247E    | 200       |           | 983.0        | 1004.6         | 35.4        | 2.2    | 10.6           | .3     | 0             | 0     |        | 3        | 376      | 105      |
| <b>62417 SIWA</b>                         | 2912N    | 02519E    | -13       |           | 1009.2       | 1007.7         | 31.4        | 2.0    | 17.1           | 1.0    | 0             | 0     |        | 0        | 381      | 105      |
| 62435 KHARGA                              | 2527N    | 03032E    | 78        |           | 995.2        | 1003.9         | 33.7        | 1.7    | 13.4           | -1.8   | 0             | 0     |        | 3        | 373      | 102      |
| <b>ETHIOPIA</b>                           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 63331 GONDAR                              | 1233N    | 03725E    | 1967      |           | 808.4        | 1022.7         | 18.8        |        | 16.3           |        |               |       |        |          | 182      |          |
| 63402 JIMMA                               | 0740N    | 03650E    | 1725      |           | 836.0        | 999.2          | 19.3        |        | 17.5           |        | 22            | 237   |        | 4        | 135      |          |
| <b>63450 ADDIS ABABA-BOLE</b>             | 0902N    | 03845E    | 2354      |           | 772.2        | 1010.3         | 16.1        |        | 13.9           |        | 28            | 266   |        | 4        | 136      |          |
| 63471 DIREDAWA                            | 0936N    | 04151E    | 1260      |           | 882.0        | 1005.7         | 26.7        |        | 20.7           |        | 16            | 129   |        | 4        | 265      | 105      |
| <b>KENYA</b>                              |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>63740 NAIROBI/KENYATTA AIRPORT</b>     | 0119S    | 03655E    | 1624      |           | 841.1        | 1528 Y         | 19.1        |        | 14.0           |        | 0             | 0     |        | 2        | 116      | 85       |
| <b>UNITED REPUBLIC OF TANZANIA</b>        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 63756 MWANZA                              | 0228S    | 03255E    | 1140      |           | 886.9        | 1506 Y         | 22.8        |        | 17.6           |        | 1             | 1     | -24    |          | 275      |          |
| <b>63832 TABORA AIRPORT</b>               | 0505S    | 03250E    | 1190      |           | 881.7        | 1490 Y         | 23.3        |        | 13.6           |        | 0             | 0     | -2     | 0        | 309      |          |
| <b>63862 DODOMA</b>                       | 0610S    | 03546E    | 1120      |           | 891.7        | 1527 Y         | 20.8        |        | 14.3           |        | 0             | 0     | 0      | 0        | 292      |          |
| <b>63894 DAR ES SALAAM INT</b>            | 0652S    | 03912E    | 55        |           | 1009.3       | 1015.6         | 23.9        |        | 23.3           |        | 4             | 10    | -17    |          | 265      |          |
| <b>63962 SONGEA</b>                       | 1041S    | 03535E    | 1067      |           | 898.7        | 1543 Y         | 20.4        |        | 13.3           |        | 1             | 5     | 5      |          | 244      |          |

# SURFACE

# AUGUST 2008

| 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. |
| 63971 MTWARA  | 1016S    | 04011E    | 113       |           | 1003.2       | 1016.0         | 23.6        |        | 21.7           |        | 0             | 0     | -9     | 0        | 292      |          |
| <b>SEYCHELLES</b><br>63980 SEYCHELLES INTERNATIONAL AIR | 0440S    | 05531E    | 3         |           | 1011.0       | 1011.4         | 26.3        | .4     | 27.2           | .7     | 8             | 35    | -62    | 2        | 176      | 77       |
| <b>RWANDA</b><br>64387 KIGALI                           | 0158S    | 03007E    | 1497      |           | 851.0        | 1504 Y         | 22.0        |        | 14.5           |        | 4             | 13    | -21    | 1        |          |          |
| <b>CENTRAL AFRICAN REPUBLIC</b><br>64600 BERBERATI      | 0415N    | 01548E    | 583       |           | 945.6        | 1010.3         | 23.3        |        | 25.4           |        | 13            | 155   |        |          | 155      |          |
| 64601 BOUAR   | 0558N    | 01538E    | 1020      |           | 899.7        | 1508 Y         | 21.1        |        | 22.1           |        | 23            | 350   |        |          |          |          |
| 64610 BOSSANGO  | 0629N    | 01726E    | 465       |           |              |                | 24.5        |        | 26.4           |        | 21            | 362   |        |          |          |          |
| 64650 BANGUI  | 0424N    | 01831E    | 366       |           | 969.1        | 1010.1         | 24.6        |        | 26.1           |        | 14            | 161   |        |          | 146      |          |
| 64654 N'DELE  | 0824N    | 02039E    | 511       |           | 954.9        | 1009.8         | 24.5        |        | 26.2           |        | 15            | 248   |        |          |          |          |
| 64655 BRIA  | 0632N    | 02159E    | 584       |           | 945.4        | 1009.2         | 23.7        |        | 25.0           |        | 18            | 225   |        |          |          |          |
| 64656 BANGASSOU   | 0444N    | 02250E    | 500       |           | 954.9        | 1009.8         | 24.5        |        | 26.2           |        | 15            | 248   |        |          |          |          |
| 64660 BAMBARI   | 0551N    | 02039E    | 475       |           | 956.8        | 1009.1         | 24.2        |        | 26.2           |        | 16            | 251   |        |          |          |          |
| 64665 MOBAYE  | 0419N    | 02111E    | 406       |           |              |                | 25.0        |        | 26.9           |        | 11            | 96    |        |          |          |          |
| <b>CHAD</b><br>64700 NDJAMENA                           | 1208N    | 01502E    | 295       |           | 975.9        | 1009.4         | 26.0        |        | 27.5           | 1.3    | 16            | 297   | 123    | 4        | 183      | 91       |
| <b>NIGERIA</b><br>65123 MINNA                           | 0937N    | 00632E    | 262       |           | 981.4        | 1011.6         | 24.5        | -7     | 27.1           | .3     | 20            | 244   | -27    | 2        |          |          |
| 65201 LAGOS/IKEJA                                       | 0635N    | 00320E    | 40        |           | 1007.4       | 1012.9         | 25.6        |        | 29.4           | 1.5    | 11            | 133   | 12     | 1        |          |          |
| <b>BENIN</b><br>65306 KANDI                             | 1108N    | 00256E    | 292       |           | 977.5        | 1010.2         | 24.5        | -1.5   | 28.2           | .9     | 19            | 323   | 52     | 4        | 186      | 95       |
| 65319 NATITINGOU  | 1019N    | 00123E    | 461       |           | 959.8        | 1011.0         | 24.6        | -3     | 26.8           | 1.2    | 26            | 451   | 188    | 6        | 136      | 98       |
| 65330 PARAKOU   | 0921N    | 00237E    | 393       |           | 967.3        | 1011.2         | 24.6        | -1     | 25.9           | .5     | 12            | 154   | -54    | 2        | 129      | 105      |
| 65335 SAVE  | 0802N    | 00228E    | 200       |           | 990.4        | 1011.0         | 25.2        | .2     | 28.2           | 2.5    | 15            | 209   | 61     | 4        | 115      | 124      |
| 65338 BOHICON   | 0710N    | 00204E    | 167       |           | 993.0        | 1012.0         | 25.0        | -3     | 27.4           | 1.5    | 9             | 119   | 7      | 4        | 105      | 109      |
| 65344 COTONOU   | 0621N    | 00223E    | 9         |           | 1009.7       | 1010.8         | 26.2        | .6     | 28.6           | 1.1    | 2             | 7     | -57    | 2        | 163      | 110      |
| <b>GHANA</b><br>65442 KUMASI                            | 0643N    | 00136W    | 293       |           | 979.4        | 1012.7         | 24.7        |        | 25.9           |        | 11            | 193   |        |          | 105      | 25       |
| <b>BURKINA FASO</b><br>65501 DORI                       | 1402N    | 00002W    | 277       |           | 978.5        | 1009.4         | 28.1        |        | 27.1           |        | 10            | 131   |        | 2        | 228      | 90       |
| 65502 OUAHIGOUYA  | 1334N    | 00225W    | 337       |           | 971.9        | 1009.3         | 26.4        |        | 26.5           |        | 15            | 274   |        | 4        | 214      | 85       |

# SURFACE

# AUGUST 2008

| 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. |
| 65503 OUAGADOUGOU                      | 1221N    | 00131W    | 316       |           | 976.1        | 1010.2         | 26.4        |        | 26.9           |        | 18            | 199   |        | 1        | 211      |          |
| 65510 BOBO-DIOULASSO                   | 1110N    | 00419W    | 460       |           | 959.3        | 1010.5         | 24.8        |        | 26.3           |        | 18            | 214   |        | 1        | 176      | 100      |
| <b>65516 BOROMO</b>                    | 1145N    | 00256W    | 271       |           | 979.7        | 1010.1         | 25.9        |        | 27.9           |        | 18            | 443   |        | 6        | 205      | 110      |
| 65518 PO                               | 1109N    | 00109W    | 322       |           | 973.6        | 1009.7         | 25.5        |        | 27.1           |        | 14            | 351   |        | 5        | 190      | 70       |
| 65522 GAOUA                            | 1020N    | 00311W    | 335       |           | 977.9        | 1010.8         | 25.4        |        | 27.3           |        | 13            | 243   |        | 4        | 175      | 95       |
| <b>MOZAMBIQUE</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 67215 PEMBA                            | 1259S    | 04032E    | 101       |           | 1006.3       | 1017.7         | 23.3        |        |                |        | 0             | 0     |        |          | 91       |          |
| 67217 LICHINGA                         | 1318S    | 03514E    | 1365      |           | 870.8        | 1568 Y         | 16.6        |        | 12.2           |        | 0             | 0     |        |          | 234      | 65       |
| 67237 NAMPULA                          | 1506S    | 03917E    | 441       |           | 970.7        | 1018.4         | 21.6        |        | 16.9           |        | 3             | 8     |        | 1        |          |          |
| 67261 TETE                             | 1611S    | 03335E    | 150       |           | 992.5        | 1012.4         | 24.7        |        | 16.6           |        | 1             | 4     |        | 3        | 284      |          |
| 67283 QUELIMANE                        | 1753S    | 03653E    | 16        |           | 1016.6       | 1018.5         | 22.5        |        | 19.2           |        | 5             | 34    |        | 2        | 180      |          |
| 67297 BEIRA                            | 1948S    | 03454E    | 16        |           | 1016.8       | 1017.7         | 21.9        |        | 20.9           |        | 4             | 18    |        |          |          |          |
| 67323 INHAMBANE                        | 2352S    | 03523E    | 15        |           | 1017.1       | 1018.7         | 22.6        |        | 20.6           |        | 4             | 89    |        | 1        | 286      |          |
| 67341 MAPUTO/MAVALANE                  | 2555S    | 03234E    | 44        |           | 1011.1       | 1018.5         | 21.3        |        | 18.0           |        | 1             | 2     |        | 1        | 251      | 95       |
| <b>SOUTH AFRICA</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>68174 PIETERSBURG</b>               | 2350S    | 02925E    | 1228      |           | 882.9        | 1549 Y         | 16.6        |        | 9.3            |        | 0             | 0     | -6     | 2        | 295      | 105      |
| 68262 PRETORIA                         | 2544S    | 02811E    | 1326      |           | 875.5        | 1560 Y         | 17.4        |        | 8.9            |        | 0             | 0     | -5     | 2        | 298      | 101      |
| <b>68424 UPINGTON</b>                  | 2825S    | 02116E    | 851       |           | 922.4        | 1533 Y         | 15.7        |        | 5.1            |        | 0             | T     | -4     | 3        | 290      | 94       |
| <b>68438 KIMBERLEY</b>                 | 2848S    | 02446E    | 1204      |           | 885.1        | 1538 Y         | 14.9        |        | 5.5            |        | 0             | 0     | -7     | 2        | 293      | 98       |
| 68442 BLOEMFONTEIN AIRPORT             | 2906S    | 02618E    | 1359      |           | 874.3        | 1589 Y         | 11.7        |        | 5.9            |        | 1             | 5     | -9     | 3        | 285      | 100      |
| 68461 BETHLEHEM                        | 2815S    | 02820E    | 1690      |           | 835.6        | 1545 Y         | 10.7        |        | 6.4            |        | 2             | 3     |        | 3        | 294      | 105      |
| 68512 SPRINGBOK                        | 2940S    | 01754E    | 1007      |           | 904.5        | 1530 Y         | 13.6        |        | 8.2            |        | 5             | 28    |        | 4        | 282      |          |
| 68538 DE AAR                           | 3039S    | 02400E    | 1287      |           | 874.6        | 1525 Y         | 11.9        |        | 5.9            |        | 2             | 4     |        | 3        | 284      |          |
| 68588 DURBAN INTNL. AIRPORT            | 2958S    | 03057E    | 14        |           | 1017.8       | 1019.5         | 17.0        |        | 13.0           |        | 1             | 2     | -60    | 1        | 262      | 121      |
| <b>68618 CALVINIA</b>                  | 3128S    | 01946E    | 975       |           | 907.8        | 1527 Y         | 10.4        |        | 6.9            |        | 5             | 31    |        | 4        | 271      | 100      |
| 68816 CAPE TOWN INTNL. AIRPORT         | 3358S    | 01836E    | 46        |           | 1007.7       | 1012.7         | 13.1        |        | 12.0           |        | 11            | 80    | 3      | 3        | 236      | 111      |
| 68828 GEORGE AIRPORT                   | 3401S    | 02223E    | 191       |           |              |                | 13.1        |        | 10.5           |        | 7             | 63    |        |          | 235      | 110      |
| 68842 PORT ELIZABETH                   | 3359S    | 02537E    | 69        |           | 1003.1       | 1010.6         | 15.0        |        | 12.2           |        | 4             | 30    | -34    | 1        | 257      | 111      |
| <b>68858 EAST LONDON</b>               | 3302S    | 02750E    | 131       |           | 988.7        | 1002.2         | 16.3        |        | 11.9           |        | 5             | 42    | -36    | 3        | 254      | 109      |
| <b>68906 GOUGH ISLAND</b>              | 4021S    | 00953W    | 54        |           | 1013.1       | 1019.7         | 9.3         |        | 9.0            |        | 18            | 226   | -78    | 2        | 95       | 109      |
| <b>68994 MARION ISLAND</b>             | 4653S    | 03752E    | 22        |           | 1005.8       | 1008.7         | 3.0         |        | 6.2            |        | 14            | 87    | -100   | 0        | 100      | 110      |
| <b>N AMERICA</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>USA (ALASKA)</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>70026 BARROW/W. POST W. ROGERS</b>  | 7117N    | 15647W    | 12        |           |              | 1015.3         | 3.2         | -1     | 6.8            |        | 3             | 7     | -17    | 1        |          |          |
| <b>70086 BARTER ISLAND</b>             | 7008N    | 14338W    | 15        |           |              |                | 4.6         |        | 7.6            |        | 0             | 0     |        | 0        |          |          |
| <b>70133 KOTZEBUE, RALPH WIEN</b>      | 6653N    | 16236W    | 5         |           |              | 1010.6         | 10.6        | -6     | 10.4           |        | 4             | 25    | -20    | 2        |          |          |
| <b>70200 NOME, AK</b>                  | 6430N    | 16526W    | 6         |           |              | 1010.3         | 10.0        | -1     | 9.5            |        | 4             | 14    | -54    | 1        |          |          |
| <b>70219 BETHEL/BETHEL AIRPORT, AK</b> | 6046N    | 16150W    | 44        |           |              | 1009.4         | 12.3        | .7     | 10.4           |        | 5             | 34    | -39    | 1        |          |          |

# SURFACE

# AUGUST 2008

| 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>70231 MCGRATH, AK</b>                  | 6257N    | 15530W    | 103       |           |              | 1008.8         | 12.4        | .0     | 9.9            |        | 10            | 40    | -22    | 1        |          |          |
| 70249 PUNTILLA                            | 6206N    | 15240W    | 560       |           |              |                | 10.1        |        | 12.3           |        | 2             | 4     |        |          |          |          |
| <b>70251 TALKEETNA</b>                    | 6218N    | 15000W    | 109       |           |              | 1008.1         | 13.0        | .2     | 11.1           |        | 8             | 71    | -43    | 2        |          |          |
| <b>70261 FAIRBANKS/INT., AK</b>           | 6448N    | 14750W    | 135       |           |              | 1009.1         | 12.8        | -1.0   | 9.0            |        | 14            | 68    | 19     | 6        |          |          |
| 70273 ANCHORAGE/INT., AK                  | 6109N    | 14950W    | 50        |           |              | 1008.0         | 13.2        | -.3    | 11.1           |        | 8             | 23    | -39    | 4        |          |          |
| <b>70308 ST. PAUL ISLANDS, AK</b>         | 5709N    | 17013W    | 10        |           |              | 1011.6         | 8.5         | -.2    | 10.2           |        | 7             | 22    | -47    | 1        |          |          |
| <b>70316 COLD BAY, AK</b>                 | 5512N    | 16240W    | 31        |           |              | 1010.2         | 10.4        | -.4    | 10.6           |        | 10            | 36    | -46    | 1        |          |          |
| <b>70326 KING SALMON, AK</b>              | 5840N    | 15630W    | 14        |           |              | 1007.4         | 12.4        | .2     | 10.6           |        | 8             | 41    | -33    | 1        |          |          |
| <b>70341 HOMER/MUNICIPAL</b>              | 5938N    | 15130W    | 24        |           |              | 1008.4         | 11.5        | -.3    | 11.5           |        | 13            | 43    | -13    | 3        |          |          |
| <b>70361 YAKUTAT, AK</b>                  | 5931N    | 13940W    | 13        |           |              | 1009.7         | 12.0        | .2     | 12.0           |        | 15            | 237   | -56    | 6        |          |          |
| <b>70398 ANNETTE ISLAND, AK</b>           | 5502N    | 13130W    | 35        |           |              | 1011.7         | 14.3        | -.5    | 13.7           |        | 14            | 300   | 144    | 4        |          |          |
| <b>USA</b>                                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>72201 KEY WEST/INT., FL</b>            | 2433N    | 08145W    | 5         |           |              | 1013.3         | 29.4        | .3     | 29.8           |        | 13            | 166   | 39     | 5        |          |          |
| 72202 MIAMI, FL                           | 2545N    | 08023W    | 5         |           |              | 1013.7         | 28.8        | .6     | 28.0           |        | 23            | 254   | 62     | 5        |          |          |
| 72203 WEST PALM BEACH/ INT. FL.           | 2641N    | 08006W    | 7         |           |              | 1013.2         | 28.6        | .5     | 27.9           |        | 13            | 303   | 151    | 6        |          |          |
| 72205 ORLANDO/JETPORT FL.                 | 2826N    | 08119W    | 32        |           |              | 1012.9         | 27.5        | -.6    | 25.3           |        | 15            | 272   | 100    | 5        |          |          |
| 72206 JACKSONVILLE/INTNL.,                | 3029N    | 08142W    | 11        |           |              | 1012.7         | 27.2        | -.1    | 26.5           |        | 15            | 428   | 227    | 6        |          |          |
| 72207 SAVANNAH/MUNICIPAL,                 | 3208N    | 08112W    | 15        |           |              | 1013.2         | 27.8        | .6     | 25.9           |        | 14            | 168   | -21    | 6        |          |          |
| <b>72208 CHARLESTON/MUN., SC.</b>         | 3253N    | 08001W    | 15        |           |              | 1013.2         | 27.3        | .3     | 26.1           |        | 14            | 152   | -31    | 3        |          |          |
| <b>72211 TAMPA/INT., FL.</b>              | 2758N    | 08232W    | 8         |           |              | 1013.2         | 27.9        | -.1    | 27.0           |        | 15            | 123   | -70    | 1        |          |          |
| 72214 TALLAHASSEE/MUN.,                   | 3023N    | 08421W    | 19        |           |              | 1012.4         | 27.4        | .0     | 25.8           |        | 14            | 420   | 229    | 6        |          |          |
| 72217 MACON/LEWIS B. WILSON, GA.          | 3242N    | 08339W    | 110       |           |              | 1012.8         | 26.7        | -.2    | 24.2           |        | 11            | 174   | 82     | 5        |          |          |
| 72218 AUGUSTA/BUSH FIELD,                 | 3322N    | 08158W    | 45        |           |              | 1013.3         | 26.8        | .3     | 24.4           |        | 12            | 143   | 29     | 4        |          |          |
| 72219 ATLANTA/MUN., GA.                   | 3339N    | 08425W    | 315       |           |              | 1013.5         | 25.6        | .0     | 21.1           |        | 8             | 96    | 3      | 4        |          |          |
| 72223 MOBILE/BATES FIELD,                 | 3041N    | 08815W    | 67        |           |              | 1012.7         | 26.8        | -.9    | 25.0           |        | 14            | 370   | 194    | 6        |          |          |
| 72226 MONTGOMERY/DANNELLY,                | 3218N    | 08624W    | 67        |           |              | 1012.8         | 27.0        | .0     | 23.6           |        | 9             | 243   | 150    | 6        |          |          |
| <b>72231 NEW ORLEANS/MOISANT INT., LA</b> | 2959N    | 09015W    | 9         |           |              | 1012.9         | 28.0        | .5     | 29.1           |        | 10            | 183   | 27     | 4        |          |          |
| <b>72234 MERIDIAN/KEY, MS.</b>            | 3220N    | 08845W    | 94        |           |              | 1012.6         | 25.8        |        | 25.6           |        | 14            | 238   |        | 6        |          |          |
| 72235 JACKSON/ALLEN C. THOMPSON FI        | 3219N    | 09004W    | 91        |           |              | 1012.9         | 26.3        | -.9    | 24.3           |        | 16            | 292   | 197    | 6        |          |          |
| 72240 LAKE CHARLES/MUN.,                  | 3007N    | 09312W    | 5         |           |              | 1013.3         | 27.9        | .2     | 28.0           |        | 12            | 138   | 3      | 4        |          |          |
| 72242 GALVESTON, TX.                      | 2918N    | 09448W    | 16        |           |              | 1012.6         | 28.9        | .3     | 29.6           |        | 7             | 195   | 82     | 6        |          |          |
| 72243 HOUSTON/INTERCONTINENTAL, TX        | 2958N    | 09521W    | 33        |           |              | 1012.3         | 28.9        | 1.0    | 26.2           |        | 10            | 189   | 101    | 5        |          |          |
| <b>72248 SHREVEPORT/REG., LA.</b>         | 3227N    | 09350W    | 85        |           |              | 1012.3         | 28.1        | .2     | 24.8           |        | 12            | 146   | 85     | 6        |          |          |
| 72250 BROWNSVILLE/INT., TX                | 2555N    | 09725W    | 8         |           |              | 1011.6         | 29.6        | .4     | 28.9           |        | 6             | 67    | -3     | 6        |          |          |
| 72251 CORPUS CHRISTI/INT.,                | 2746N    | 09730W    | 15        |           |              | 1011.7         | 28.5        | -.5    | 29.3           |        | 8             | 153   | 69     | 5        |          |          |
| <b>72253 SAN ANTONIO/INT.,</b>            | 2932N    | 09828W    | 247       |           |              | 1011.1         | 29.1        | -.3    | 22.9           |        | 6             | 127   | 63     | 5        |          |          |
| 72254 AUSTIN/CTY, TX.                     | 3018N    | 09742W    | 193       |           |              | 1011.3         | 29.2        | -.1    | 23.3           |        | 8             | 55    | 3      | 4        |          |          |
| 72255 VICTORIA/VICTORIA REGIONAL,         | 2851N    | 09655W    | 36        |           |              | 1012.0         | 29.1        | .2     | 26.0           |        | 6             | 107   | 31     | 4        |          |          |
| 72256 WACO, MADISON-COOPER,               | 3137N    | 09713W    | 157       |           |              | 1011.7         | 29.1        | -.7    | 22.7           |        | 13            | 262   | 220    | 6        |          |          |
| 72259 DALLAS-FORT WORTH/FORT WORTH        | 3254N    | 09702W    | 182       |           |              | 1011.6         | 30.4        | 1.0    | 21.4           |        | 8             | 72    | 16     | 5        |          |          |
| 72263 SAN ANGELO/MATHIS,                  | 3122N    | 10030W    | 584       |           |              | 1011.6         | 27.4        | -.3    | 19.6           |        | 10            | 91    | 42     | 5        |          |          |
| 72265 MIDLAND/MIDLAND REG. AIR TER        | 3156N    | 10210W    | 875       |           |              | 1010.8         | 26.2        | -.9    | 18.4           |        | 5             | 62    | 20     | 5        |          |          |
| <b>72266 ABILENE/MUN., TX.</b>            | 3225N    | 09941W    | 546       |           |              | 1011.8         | 26.9        | -1.5   | 20.6           |        | 12            | 160   | 89     | 5        |          |          |
| 72267 LUBBOCK/LUBBOCK INTERNATIONAL       | 3339N    | 10140W    | 996       |           |              | 1011.5         | 25.3        | -.2    | 18.1           |        | 8             | 88    | 25     | 5        |          |          |
| <b>72270 EL PASO/INT., TX.</b>            | 3148N    | 10620W    | 1206      |           |              | 1009.3         | 26.2        | -.5    | 15.7           |        | 13            | 66    | 26     | 5        |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 72274 TUCSON/INT., AZ.             | 3207N    | 11050W    | 788       |           |              | 1008.8         | 29.7        | .5     | 17.7           |        | 8             | 43    | -12    | 3        |          |          |
| 72278 PHOENIX/SKY HARBOR,          | 3326N    | 11200W    | 344       |           |              | 1006.6         | 33.8        | .7     | 19.0           |        | 9             | 90    | 66     | 5        |          |          |
| 72290 SAN DIEGO/LINDBERGH,         | 3244N    | 11710W    | 9         |           |              | 1011.5         | 22.4        | -.2    | 18.3           |        | 0             | 0     | -2     | 4        |          |          |
| 72295 LOS ANGELES /INT.,           | 3356N    | 11820W    | 38        |           |              | 1010.9         | 21.1        | -.3    | 18.4           |        | 0             | 0     | -3     | 4        |          |          |
| 72304 CAPE HATTERAS, NC.           | 3516N    | 07533W    | 3         |           |              | 1014.3         | 26.2        | .4     | 24.1           |        | 11            | 106   | -46    | 2        |          |          |
| 72306 RALEIGH/RALEIGH-DURHAM, NC.  | 3552N    | 07847W    | 134       |           |              | 1014.3         | 25.8        | .7     | 21.1           |        | 9             | 150   | 48     | 4        |          |          |
| 72308 NORFOLK/INT., VA.            | 3654N    | 07612W    | 9         |           |              | 1014.1         | 25.3        | .2     | 21.2           |        | 3             | 17    | -105   | 0        |          |          |
| 72310 COLUMBIA, SC.                | 3357N    | 08107W    | 72        |           |              | 1013.3         | 26.4        | -.1    | 22.8           |        | 12            | 224   | 70     | 5        |          |          |
| 72312 GREENVILLE/GREENVILLE SPARTA | 3454N    | 08213W    | 296       |           |              | 1013.4         | 26.0        | .9     | 18.7           |        | 10            | 141   | 41     | 5        |          |          |
| 72314 CHARLOTTE/DOUGLAS,           | 3513N    | 08056W    | 234       |           |              | 1014.1         | 25.3        | -.4    | 20.0           |        | 6             | 238   | 144    | 6        |          |          |
| 72315 ASHEVILLE/MUN., NC.          | 3526N    | 08233W    | 661       |           |              | 1014.7         | 22.6        | .4     | 16.6           |        | 7             | 148   | 29     | 4        |          |          |
| 72317 GREENSBORO/G.-HIGH PT., NC.  | 3605N    | 07957W    | 277       |           |              | 1014.5         | 24.7        | .4     | 17.7           |        | 7             | 180   | 82     | 5        |          |          |
| 72324 CHATTANOOGA/LOVELL FIELD, TN | 3502N    | 08512W    | 210       |           |              | 1013.8         | 26.3        | .8     | 19.7           |        | 4             | 112   | 23     | 4        |          |          |
| 72326 KNOXVILLE/MUN., TN.          | 3549N    | 08359W    | 299       |           |              | 1013.6         | 25.0        | .6     | 17.7           |        | 4             | 49    | -30    | 2        |          |          |
| 72327 NASHVILLE/METROPOLITAN, TN.  | 3607N    | 08641W    | 180       |           |              | 1014.0         | 26.1        | .5     | 18.4           |        | 2             | 42    | -45    | 1        |          |          |
| 72344 FORT SMITH/MUN., AR.         | 3520N    | 09422W    | 143       |           |              | 1013.2         | 26.9        | -.1    | 22.2           |        | 10            | 189   | 115    | 6        |          |          |
| 72351 WICHITA FALLS/SHEPS AFB/WICH | 3358N    | 09829W    | 314       |           |              | 1011.4         | 29.2        | .5     | 21.3           |        | 7             | 188   | 125    | 5        |          |          |
| 72353 OKLAHOMA CITY/W. ROGERS WORL | 3523N    | 09736W    | 398       |           |              | 1012.5         | 27.3        | .0     | 21.4           |        | 7             | 253   | 187    | 6        |          |          |
| 72360 CLAYTON/MUN., NM.            | 3627N    | 10300W    | 1515      |           |              | 1012.5         | 23.0        | .7     | 14.5           |        | 9             | 128   | 62     | 5        |          |          |
| 72365 ALBUQUERQUE/INT., NM.        | 3502N    | 10630W    | 1619      |           |              | 1010.4         | 24.8        | .4     | 11.5           |        | 7             | 26    | -15    | 2        |          |          |
| 72386 LAS VEGAS/MCCARRAN,          | 3605N    | 11510W    | 664       |           |              | 1005.4         | 33.9        | 2.4    | 9.6            |        | 1             | 2     | -10    | 2        |          |          |
| 72389 FRESNO/AIR TERM.,            | 3646N    | 11940W    | 101       |           |              | 1008.9         | 28.9        | 2.1    | 12.1           |        | 0             | 0     | -1     | 4        |          |          |
| 72401 RICHMOND/BYRD, VA.           | 3730N    | 07720W    | 54        |           |              | 1014.8         | 25.1        | .2     | 17.7           |        | 4             | 146   | 35     | 4        |          |          |
| 72405 WASHINGTON/NAT., VA.         | 3851N    | 07702W    | 20        |           |              | 1014.7         | 25.5        | -.3    | 16.7           |        | 5             | 31    | -68    | 1        |          |          |
| 72406 BALTIMORE/BALTIMORE-WASHINGT | 3911N    | 07640W    | 48        |           |              | 1014.3         | 23.1        | -1.1   | 16.9           |        | 4             | 38    | -61    | 1        |          |          |
| 72407 ATLANTIC CITY, NJ.           | 3927N    | 07434W    | 21        |           |              | 1014.4         | 22.9        | -.1    | 17.4           |        | 4             | 62    | -43    | 2        |          |          |
| 72408 PHILADELPHIA/INT.,           | 3953N    | 07515W    | 9         |           |              | 1014.3         | 23.6        | -.6    | 15.6           |        | 4             | 62    | -34    | 2        |          |          |
| 72411 ROANOKE/MUN., VA.            | 3719N    | 07958W    | 358       |           |              | 1015.6         | 23.4        | -.3    | 16.3           |        | 5             | 118   | 13     | 4        |          |          |
| 72412 BECKLEY (RALEIGH CTY. MEMORI | 3747N    | 08107W    | 766       |           |              | 1015.5         | 19.4        | -1.0   | 16.3           |        | 8             | 150   | 65     | 5        |          |          |
| 72414 CHARLESTON/KANAWHA.,         | 3822N    | 08136W    | 299       |           |              | 1014.8         | 22.6        | -.7    | 17.6           |        | 8             | 75    | -26    | 6        |          |          |
| 72421 CINCINNATI/GREATER CINCINNAT | 3903N    | 08440W    | 271       |           |              | 1014.7         | 23.5        | .4     | 17.5           |        | 4             | 45    | -40    | 2        |          |          |
| 72422 LEXINGTON/BLUE GRASS, KY.    | 3802N    | 08436W    | 301       |           |              | 1014.8         | 23.6        |        | 17.4           |        | 4             | 55    |        | 2        |          |          |
| 72423 LOUISVILLE/STANDIFORD, KY.   | 3811N    | 08544W    | 151       |           |              | 1014.3         | 26.0        | 1.7    | 18.3           |        | 2             | 16    | -73    | 1        |          |          |
| 72425 HUNTINGTON, WV.              | 3822N    | 08233W    | 255       |           |              | 1014.6         | 22.9        | -.2    | 17.1           |        | 7             | 89    | -8     | 3        |          |          |
| 72428 COLUMBUS/PORT COLUMBUS, OH.  | 4000N    | 08253W    | 254       |           |              | 1014.7         | 23.3        | 1.4    | 15.4           |        | 6             | 95    | 1      | 6        |          |          |
| 72429 DAYTON/ COX, OH.             | 3952N    | 08407W    | 307       |           |              | 1015.7         | 21.8        | -.5    | 16.4           |        | 4             | 42    | -39    | 2        |          |          |
| 72432 EVANSVILLE/REG., IN.         | 3803N    | 08732W    | 127       |           |              | 1014.8         | 24.4        | -.1    | 19.8           |        | 3             | 13    | -66    | 1        |          |          |
| 72434 ST.LOUIS/LAMBERT,            | 3845N    | 09022W    | 174       |           |              | 1014.6         | 24.8        | -.5    | 19.7           |        | 7             | 40    | -32    | 3        |          |          |
| 72438 INDIANAPOLIS/I.-MUN/WEIR COO | 3944N    | 08616W    | 246       |           |              | 1014.9         | 23.2        | .3     | 17.5           |        | 5             | 47    | -45    | 2        |          |          |
| 72439 SPRINGFIELD/CAPITAL,         | 3951N    | 08940W    | 187       |           |              | 1015.5         | 22.0        | -1.2   | 20.5           |        | 4             | 41    | -42    | 2        |          |          |
| 72445 COLUMBIA/REGIONAL,           | 3849N    | 09213W    | 274       |           |              | 1015.2         | 23.0        | -1.0   | 22.6           |        | 5             | 66    | -17    | 3        |          |          |
| 72451 DODGE CITY/MUN., KS.         | 3745N    | 09958W    | 790       |           |              | 1013.0         | 25.4        | -.3    | 17.3           |        | 7             | 49    | -20    | 3        |          |          |
| 72458 CONCORDIA/BLOSSER MUN., KS.  | 3933N    | 09739W    | 453       |           |              | 1014.2         | 23.0        | -2.0   | 21.1           |        | 9             | 76    | -13    | 5        |          |          |
| 72476 GRAND JUNCTION/WALKER FIELD, | 3907N    | 10830W    | 1474      |           |              | 1009.4         | 24.9        | .2     | 9.6            |        | 4             | 30    | 10     | 4        |          |          |
| 72483 SACRAMENTO/EXECUTIVE CA.     | 3831N    | 12130W    | 8         |           |              | 1009.4         | 24.4        | .5     | 12.4           |        | 0             | 0     | -1     | 4        |          |          |
| 72486 ELY/YELLAND, NV.             | 3917N    | 11450W    | 1909      |           |              | 1009.7         | 20.0        | 1.4    | 5.3            |        | 4             | 10    | -11    | 3        |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 72488 RENO/INT., NV.                      | 3930N    | 11940W    | 1344      |           |              | 1010.6         | 25.1        | 4.2    | 6.7            |        | 0             | 0     | -8     | 1        |          |          |
| 72494 SAN FRANCISCO/INT.,                 | 3737N    | 12220W    | 6         |           |              | 1012.0         | 18.0        | .4     | 14.3           |        | 0             | 0     | -1     | 4        |          |          |
| 72503 NEW YORK/LA GUARDIA,                | 4046N    | 07354W    | 9         |           |              | 1013.6         | 23.8        | -.3    | 15.6           |        | 9             | 147   | 52     | 4        |          |          |
| 72507 PROVIDENCE/GREEN STATE, RI.         | 4144N    | 07126W    | 19        |           |              | 1013.5         | 21.2        | -.6    | 16.7           |        | 7             | 47    | -45    | 1        |          |          |
| 72508 HARTFORD/BRADLEY INTNL., CT.        | 4156N    | 07241W    | 55        |           |              | 1013.3         | 21.1        | -.9    | 16.7           |        | 10            | 171   | 79     | 5        |          |          |
| 72509 BOSTON/LOGAN INT.,                  | 4222N    | 07102W    | 9         |           |              | 1013.2         | 21.1        | -1.1   | 17.3           |        | 10            | 114   | 32     | 4        |          |          |
| 72513 WILKES-BARRE-SCRANTON, PA.          | 4120N    | 07544W    | 292       |           |              | 1014.1         | 19.6        | -1.5   | 14.8           |        | 7             | 52    | -32    | 1        |          |          |
| 72515 BINGHAMTON/BROOME CO., NY.          | 4213N    | 07559W    | 497       |           |              | 1015.5         | 18.3        | -1.3   | 15.5           |        | 9             | 93    | 8      | 4        |          |          |
| 72517 ALLENTOWN/A.-BETHLEHEM-EASTO        | 4039N    | 07526W    | 118       |           |              | 1014.4         | 20.7        | -1.6   | 16.1           |        | 9             | 34    | -74    | 6        |          |          |
| <b>72519 SYRACUSE/HANCOCK,</b>            | 4307N    | 07607W    | 128       |           |              | 1014.0         | 19.4        | -.8    | 16.6           |        | 14            | 92    | 3      | 3        |          |          |
| <b>72520 PITTSBURGH/GREATER PITTSBURG</b> | 4030N    | 08013W    | 373       |           |              | 1015.7         | 20.9        | -.5    | 14.6           |        | 8             | 85    | 4      | 4        |          |          |
| 72521 AKRON/AKRON-CANTON REG. OH.         | 4055N    | 08126W    | 377       |           |              | 1015.3         | 20.6        | -.7    | 15.0           |        | 6             | 28    | -56    | 6        |          |          |
| 72525 YOUNGSTOWN, OH.                     | 4116N    | 08040W    | 365       |           |              | 1015.6         | 19.8        | -.6    | 15.5           |        | 10            | 61    | -23    | 3        |          |          |
| 72528 BUFFALO/GREATER BUFFALO INT.        | 4256N    | 07843W    | 219       |           |              | 1014.7         | 20.2        | -.4    | 16.2           |        | 12            | 135   | 30     | 4        |          |          |
| 72529 ROCHESTER/ROCHESTER-MONROE C        | 4307N    | 07740W    | 171       |           |              | 1014.7         | 19.7        | -.3    | 16.1           |        | 7             | 75    | -11    | 3        |          |          |
| 72530 CHICAGO/O'HARE, IL.                 | 4159N    | 08754W    | 205       |           |              | 1015.6         | 22.6        | .5     | 16.4           |        | 6             | 95    | -12    | 4        |          |          |
| <b>72532 PEORIA/GREATER PEORIA MUN.,</b>  | 4040N    | 08941W    | 202       |           |              | 1015.6         | 22.8        | .0     | 18.5           |        | 5             | 26    | -52    | 1        |          |          |
| 72533 FORT WAYNE/MUN.,                    | 4100N    | 08512W    | 252       |           |              | 1015.7         | 21.7        | -.3    | 15.9           |        | 8             | 52    | -33    | 2        |          |          |
| 72535 SOUTH BEND/ST.JOSEPH CO., IN        | 4142N    | 08619W    | 241       |           |              | 1015.9         | 21.3        | -.3    | 16.4           |        | 7             | 49    | -44    | 2        |          |          |
| 72536 TOLEDO/EXPRESS, OH.                 | 4136N    | 08348W    | 211       |           |              | 1015.1         | 22.0        | .9     | 15.9           |        | 1             | 28    | -54    | 1        |          |          |
| 72537 DETROIT/METROPOLITAN, MI.           | 4214N    | 08320W    | 202       |           |              | 1015.2         | 22.2        | .8     | 15.2           |        | 2             | 7     | -80    | 6        |          |          |
| 72544 MOLINE/QUAD CITY,                   | 4127N    | 09031W    | 181       |           |              | 1015.5         | 21.4        | -1.2   | 17.9           |        | 13            | 29    | -78    | 2        |          |          |
| <b>72546 DES MOINES/MUN., IA.</b>         | 4132N    | 09339W    | 294       |           |              | 1015.1         | 22.6        | -.7    | 18.6           |        | 7             | 49    | -57    | 2        |          |          |
| <b>72556 NORFOLK/KARL STEFAN,</b>         | 4159N    | 09726W    | 479       |           |              | 1014.4         | 22.5        | -.1    | 17.6           |        | 2             | 25    | -39    | 1        |          |          |
| 72557 SIOUX CITY/MUN., IA.                | 4224N    | 09623W    | 336       |           |              | 1015.3         | 22.0        | -.7    | 20.0           |        | 6             | 68    | -7     | 3        |          |          |
| <b>72562 NORTH PLATTE/LEE BIRD, NE.</b>   | 4107N    | 10040W    | 849       |           |              | 1013.7         | 21.9        | -.2    | 16.9           |        | 5             | 70    | 26     | 5        |          |          |
| 72564 CHEYENNE, WY.                       | 4109N    | 10440W    | 1876      |           |              | 1012.6         | 19.0        |        | 10.2           |        | 10            | 166   |        | 6        |          |          |
| 72569 CASPER/NATRONA COUNTY, INTNL        | 4255N    | 10620W    | 1630      |           |              | 1011.2         | 20.2        | -.2    | 9.2            |        | 3             | 18    | 1      | 6        |          |          |
| 72572 SALT LAKE CITY/INTNL UT.            | 4047N    | 11150W    | 1288      |           |              | 1009.3         | 25.5        | 1.3    | 8.6            |        | 2             | 21    | 0      | 3        |          |          |
| <b>72576 LANDER/HUNT, WY.</b>             | 4249N    | 10840W    | 1703      |           |              | 1010.8         | 21.4        | .9     | 6.9            |        | 3             | 21    | 8      | 5        |          |          |
| <b>72578 POCATELLO/MUN., ID.</b>          | 4255N    | 11230W    | 1365      |           |              | 1011.6         | 20.7        | .3     | 7.5            |        | 1             | 4     | -13    | 2        |          |          |
| <b>72583 WINNEMUCCA/MUN., NV.</b>         | 4054N    | 11740W    | 1322      |           |              | 1010.6         | 22.4        | 1.5    |                |        | 0             | T     | -11    | 1        |          |          |
| <b>72594 EUREKA, CA.</b>                  | 4048N    | 12410W    | 18        |           |              |                | 14.8        | .4     |                |        | 3             | 12    | 0      | 5        |          |          |
| 72597 MEDFORD/MEDFORD-JACKSON COUN        | 4223N    | 12250W    | 398       |           |              | 1012.4         | 23.6        |        | 11.2           |        | 01            | 1     |        | 2        |          |          |
| 72605 CONCORD/MUN., NH.                   | 4312N    | 07130W    | 105       |           |              | 1013.3         | 19.0        |        | 16.1           |        | 12            | 121   |        | 5        |          |          |
| 72606 PORTLAND/INTNL. JET PORT, ME        | 4339N    | 07019W    | 23        |           |              | 1013.2         | 19.0        | -.6    | 16.8           |        | 8             | 160   | 88     | 6        |          |          |
| <b>72613 MOUNT WASHINGTON,</b>            | 4416N    | 07118W    | 1910      |           |              |                | 8.4         | .2     | 10.4           |        | 16            | 323   | 114    | 5        |          |          |
| <b>72617 BURLINGTON/INT., VT.</b>         | 4428N    | 07309W    | 104       |           |              | 1013.5         | 19.4        | -.5    | 15.8           |        | 9             | 94    | -9     | 6        |          |          |
| 72635 GRAND RAPIDS/KENT CO., MI.          | 4253N    | 08531W    | 245       |           |              | 1015.7         | 21.4        | .6     | 15.5           |        | 6             | 28    | -62    | 1        |          |          |
| 72636 MUSKOGON/COUNTY, MI.                | 4310N    | 08615W    | 193       |           |              | 1015.7         | 20.3        | .0     | 17.1           |        | 5             | 28    | -58    | 6        |          |          |
| 72637 FLINT/BISHOP, MI.                   | 4258N    | 08345W    | 238       |           |              | 1015.5         | 20.3        | .0     | 15.5           |        | 7             | 48    | -40    | 2        |          |          |
| 72640 MILWAUKEE/GEN. MITCHELL, WI.        | 4257N    | 08754W    | 220       |           |              | 1015.6         | 21.6        | .9     | 18.0           |        | 4             | 22    | -67    | 2        |          |          |
| 72641 MADISON/DANE COUNTY REGIONAL        | 4308N    | 08920W    | 264       |           |              | 1015.7         | 20.6        | .4     | 17.0           |        | 5             | 36    | -66    | 2        |          |          |
| 72644 ROCHESTER/MUN., MN.                 | 4355N    | 09230W    | 402       |           |              | 1016.1         | 20.3        | .2     | 17.3           |        | 7             | 49    | -49    | 1        |          |          |
| 72645 GREEN BAY/A.-STRAUBEL, WI.          | 4429N    | 08806W    | 209       |           |              | 1015.7         | 20.5        | 1.0    | 16.2           |        | 3             | 15    | -73    | 6        |          |          |
| 72651 SIOUX FALLS/FOSS FIELD, SD.         | 4335N    | 09644W    | 435       |           |              | 1014.6         | 22.0        | .1     | 17.8           |        | 2             | 49    | -23    | 2        |          |          |



# SURFACE

# AUGUST 2008

| 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>72654 HURON/HURON REGIONAL SD.</b>     | 4423N    | 09813W    | 393       |           |              | 1013.2         | 22.4        | .3     | 16.9           |        | 2             | 71    | 21     | 4        |          |          |
| <b>72658 MINNEAPOLIS/ST.PAUL INT., MN</b> | 4453N    | 09313W    | 256       |           |              | 1014.9         | 22.5        | 1.1    | 15.6           |        | 6             | 85    | -6     | 3        |          |          |
| <b>72662 RAPID CITY/REGIONAL AIRPORT,</b> | 4440N    | 10310W    | 1030      |           |              | 1012.1         | 21.6        | .2     | 13.0           |        | 4             | 36    | -6     | 3        |          |          |
| <b>72666 SHERIDAN/COUNTY, WY.</b>         | 4446N    | 10650W    | 1226      |           |              | 1011.3         | 20.8        | .6     | 9.3            |        | 2             | 7     | -13    | 1        |          |          |
| <b>72677 BILLINGS/LOGAN INT.,</b>         | 4548N    | 10830W    | 1099      |           |              | 1010.9         | 22.6        | 1.1    | 8.5            |        | 4             | 30    | 5      | 4        |          |          |
| <b>72681 BOISE/MUN., ID.</b>              | 4334N    | 11610W    | 872       |           |              | 1010.2         | 24.4        | 1.9    | 8.5            |        | 0             | 0     | -10    | 1        |          |          |
| <b>72688 PENDLETON, OR.</b>               | 4541N    | 11850W    | 456       |           |              | 1011.5         | 21.7        | -.5    | 10.4           |        | 7             | 19    | 6      | 5        |          |          |
| <b>72698 PORTLAND/INT., OR.</b>           | 4536N    | 12230W    | 12        |           |              | 1014.3         | 21.0        | .7     | 15.0           |        | 8             | 31    | 4      | 4        |          |          |
| <b>72712 CARIBOU/MUN., ME.</b>            | 4652N    | 06800W    | 191       |           |              | 1012.8         | 17.3        | .2     | 15.8           |        | 11            | 103   | 0      | 3        |          |          |
| <b>72743 MARQUETTE, MI.</b>               | 4632N    | 08733W    | 434       |           |              | 1013.2         | 17.5        | .6     | 13.5           |        | 0             | 0     | -86    | 0        |          |          |
| <b>72745 DULUTH/INT., MN.</b>             | 4650N    | 09211W    | 436       |           |              | 1015.6         | 18.0        | .4     | 14.9           |        | 8             | 74    | -27    | 3        |          |          |
| <b>72747 INT.FALLS/FALLS INT. MN.</b>     | 4833N    | 09323W    | 362       |           |              | 1014.4         | 16.8        | -.8    | 14.7           |        | 6             | 22    | -57    | 0        |          |          |
| <b>72753 FARGO/HECTOR FIELD,</b>          | 4654N    | 09648W    | 274       |           |              | 1013.2         | 20.8        | .4     | 16.9           |        | 8             | 116   | 55     | 5        |          |          |
| <b>72764 BISMARCK/MUN., ND.</b>           | 4646N    | 10040W    | 505       |           |              | 1011.9         | 22.0        | 1.8    | 15.3           |        | 7             | 29    | -14    | 3        |          |          |
| <b>72767 WILLISTON/SLOULIN FIELD INT.</b> | 4811N    | 10330W    | 592       |           |              | 1010.9         | 21.2        | .8     | 13.0           |        | 8             | 32    | 1      | 4        |          |          |
| <b>72768 GLASGOW/INT., MT.</b>            | 4812N    | 10630W    | 693       |           |              | 1010.6         | 21.5        | .7     | 11.1           |        | 6             | 18    | -16    | 3        |          |          |
| <b>72772 HELENA/COUNTY-CITY,</b>          | 4636N    | 11200W    | 1188      |           |              | 1013.4         | 20.9        | 1.2    | 9.4            |        | 4             | 11    | -21    | 2        |          |          |
| <b>72773 MISSOULA / JOHNSON-BELL FIEL</b> | 4655N    | 11400W    | 976       |           |              | 1013.3         | 20.0        | 1.2    | 9.2            |        | 5             | 34    | 4      | 4        |          |          |
| <b>72781 YAKIMA/YAKIMA AIR TERMINAL,</b>  | 4634N    | 12030W    | 332       |           |              | 1012.0         | 20.6        | .0     | 10.9           |        | 4             | 8     | -2     | 4        |          |          |
| <b>72785 SPOKANE/INT., WA.</b>            | 4738N    | 11730W    | 721       |           |              | 1012.2         | 20.5        | .3     | 8.6            |        | 6             | 15    | -3     | 3        |          |          |
| <b>72792 OLYMPIA, WA.</b>                 | 4658N    | 12250W    | 62        |           |              | 1014.6         | 17.9        | .5     | 13.7           |        | 12            | 47    | 15     | 4        |          |          |
| <b>72793 SEATTLE/S.-TACOMA,</b>           | 4727N    | 12210W    | 137       |           |              | 1015.2         | 18.9        | .3     | 13.8           |        | 8             | 73    | 44     | 5        |          |          |
| <b>72797 QUILLAYUTE, WA.</b>              | 4757N    | 12430W    | 56        |           |              | 1015.0         | 15.1        |        | 13.8           |        | 11            | 146   |        |          |          |          |
| <b>74492 BLUE HILL OBS. MA.</b>           | 4213N    | 07107W    | 195       |           |              | 1014.3         | 20.2        | -.7    |                |        | 10            | 116   | 17     | 4        |          |          |
| <b>CANADA</b>                             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>71017 STEFANSSON ISLAND, NU</b>        | 7345N    | 10510W    | 11        |           | 1006.7       | 1008.1         | 1.0         |        | 6.1            |        | 0             | 0     |        |          |          |          |
| <b>71018 RESOLUTE CS, NU</b>              | 7442N    | 09459W    | 68        |           |              |                | 2.3         |        | 6.5            |        | 0             | 0     |        |          |          |          |
| <b>71026 MEDICINE HAT RCS, ALTA</b>       | 5001N    | 11040W    | 717       |           | 928.1        | 1010.7         | 19.3        |        | 10.0           |        | 4             | 25    |        | 2        |          |          |
| <b>71029 HOLMAN CS, NWT</b>               | 7045N    | 11740W    | 30        |           | 1006.6       | 1010.5         | 6.2         |        | 8.0            |        | 6             | 22    |        |          |          |          |
| <b>71066 HIGH LEVEL A, ALTA</b>           | 5837N    | 11700W    | 338       |           | 968.1        | 1008.7         | 15.3        | 1.3    | 12.7           |        | 5             | 16    |        | 1        |          |          |
| <b>71069 SLAVE LAKE A, ALTA</b>           | 5517N    | 11440W    | 583       |           | 941.7        | 1010.1         | 15.8        | 1.4    | 13.5           |        | 11            | 62    | -7     | 3        |          |          |
| <b>71074 ISACHSEN (AUT), NU</b>           | 7847N    | 10330W    | 58        |           | 1003.9       | 1011.4         | 1.3         |        | 6.4            |        | 4             | 22    |        | 6        |          |          |
| <b>71079 THOMPSON</b>                     | 5548N    | 09752W    | 222       |           | 982.2        | 1009.2         | 16.5        | 2.7    | 14.1           |        | 10            | 109   | 32     | 5        |          |          |
| <b>71101 SANDSPIT AWOS, BC</b>            | 5315N    | 13140W    | 6         |           | 1010.6       | 1011.4         | 13.5        | -1.4   | 13.9           |        |               |       |        |          |          |          |
| <b>71109 PORT HARDY A, BC</b>             | 5040N    | 12720W    | 22        |           | 1011.2       | 1013.8         | 13.8        | -.1    | 13.5           |        | 13            | 129   | 67     | 5        |          |          |
| <b>71120 COLD LAKE A, ALTA</b>            | 5425N    | 11010W    | 541       |           | 946.4        | 1010.2         | 16.6        | .9     | 11.7           |        | 6             | 24    | -44    | 1        |          |          |
| <b>71122 BANFF CS, ALTA</b>               | 5112N    | 11530W    | 1397      |           | 857.4        | 1013.3         | 13.7        | -.5    | 8.5            |        | 10            | 50    | -1     | 3        |          |          |
| <b>71158 BERENS RIVER CS, MAN</b>         | 5221N    | 09702W    | 222       |           | 983.8        | 1010.4         | 18.3        |        | 15.9           |        | 6             | 135   |        | 5        |          |          |
| <b>71160 FORT RELIANCE (AUT), NWT</b>     | 6242N    | 10900W    | 168       |           | 985.6        | 1006.1         | 14.8        |        | 11.9           |        | 5             | 22    |        | 1        |          |          |
| <b>71185 DANIELS HARBOUR,</b>             | 5014N    | 05734W    | 18        |           | 1009.4       | 1011.7         | 16.0        | 1.6    | 15.9           |        | 9             | 90    | -32    | 2        |          |          |
| <b>71197 PORT AUX BASQUES,</b>            | 4734N    | 05909W    | 40        |           | 1008.2       | 1013.0         | 16.3        | 1.5    | 16.1           |        | 16            | 149   | 28     | 4        |          |          |
| <b>71199 WATSON LAKE (AUT), YT</b>        | 6007N    | 12840W    | 690       |           | 928.8        | 1009.8         | 12.9        |        | 9.6            |        | 9             | 48    |        | 4        |          |          |
| <b>71279 SEPT-ILES, QUE</b>               | 5013N    | 06615W    | 53        |           | 1005.7       | 1012.1         | 15.2        |        | 14.8           |        | 6             | 46    |        |          |          |          |
| <b>71288 CAMBRIDGE BAY GSN, NU</b>        | 6906N    | 10500W    | 19        |           |              |                | 7.4         |        | 8.9            |        | 8             | 29    |        |          |          |          |
| <b>71299 KAPUSKASING CDA ON, ONT</b>      | 4924N    | 08226W    | 218       |           | 987.3        | 1012.9         | 15.2        |        | 13.2           |        | 9             | 55    |        | 2        |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 71309 MOOSONEE RCS, ONT                 | 5117N    | 08037W    | 9         |           | 1011.2       | 1012.3         | 16.3        |        | 14.0           |        | 6             | 51    |        |          |          |          |
| 71320 HALL BEACH CLIMATE, NU            | 6846N    | 08114W    | 8         |           |              |                | 3.8         |        | 7.3            |        | 6             | 50    |        |          |          |          |
| 71321 IQALUIT CLIMATE, NU               | 6345N    | 06833W    | 34        |           | 1008.2       | 1012.4         | 7.0         |        | 8.3            |        | 6             | 30    |        |          |          |          |
| 71322 ARVIAT CLIMATE, NU                | 6106N    | 09404W    | 10        |           |              |                | 11.2        |        | 11.2           |        | 11            | 83    |        |          |          |          |
| 71350 HARRINGTON CDA CS, PEI            | 4621N    | 06310W    | 53        |           | 1005.6       | 1012.0         | 17.2        |        | 16.5           |        | 14            | 224   |        |          |          |          |
| 71355 ALERT CLIMATE, NU                 | 8230N    | 06220W    | 65        |           | 1003.2       | 1011.7         | .3          |        | 5.5            |        | 4             | 14    |        |          |          |          |
| 71356 BAKER LAKE CLIMATE, NU            | 6419N    | 09600W    | 51        |           | 1001.4       | 1007.8         | 10.4        |        | 10.2           |        | 7             | 55    |        |          |          |          |
| 71361 HAY RIVER CLIMATE, NWT            | 6050N    | 11540W    | 164       |           | 987.2        | 1007.1         | 15.1        |        | 12.5           |        | 8             | 84    |        |          |          |          |
| 71362 FORT SMITH CLIMATE, NWT           | 6001N    | 11150W    | 203       |           | 982.3        | 1006.8         | 16.3        |        | 12.3           |        | 7             | 38    |        |          |          |          |
| 71363 GJOA HAVEN CLIMATE, NU            | 6838N    | 09551W    | 42        |           | 1002.3       | 1007.6         | 6.7         |        | 8.5            |        | 9             | 24    |        |          |          |          |
| 71364 INUVIK CLIMATE, NWT               | 6819N    | 13330W    | 103       |           | 1000.3       | 1013.3         | 7.0         |        | 7.9            |        | 7             | 52    |        |          |          |          |
| 71365 FORT SIMPSON CLIMATE, NWT         | 6145N    | 12110W    | 168       |           | 987.6        | 1008.1         | 13.8        |        | 10.8           |        | 9             | 65    |        |          |          |          |
| 71407 RESERVED OR UNKNOWN               | 9999N    | 99999E    |           |           | 1005.9       | 1007.9         | 7.6         |        | 8.6            |        | 13            | 51    |        |          |          |          |
| 71434 PEAWANUCK (AUT), ONT              | 5459N    | 08526W    | 52        |           | 1003.4       | 1009.8         | 15.7        |        | 13.0           |        | 10            | 63    |        |          |          |          |
| 71446 SWIFT CURRENT CDA, SASK           | 5016N    | 10740W    | 825       |           | 916.3        | 1011.8         | 18.0        |        | 11.0           |        | 11            | 62    | 5      |          |          |          |
| 71467 SACHS HARBOUR CLIMATE, NWT        | 7200N    | 12510W    | 88        |           | 1000.6       | 1011.8         | 3.9         |        | 7.2            |        | 7             | 35    |        |          |          |          |
| 71480 RESERVED OR UNKNOWN               | 9999N    | 99999E    |           |           | 998.5        | 1010.3         | 10.6        |        | 9.6            |        | 11            | 67    |        |          |          |          |
| 71490 ROBERTSON LAKE (AUT), NU          | 6505N    | 10220W    | 244       |           | 978.2        | 1008.4         | 9.6         |        | 9.2            |        | 10            | 56    |        |          |          |          |
| 71493 PARRSBORO, NS                     | 4524N    | 06420W    | 31        |           | 1007.9       | 1011.6         | 16.7        |        | 16.1           |        | 12            | 150   |        |          |          |          |
| 71550 DAUPHIN CS, MAN                   | 5106N    | 10000W    | 305       |           |              |                | 18.7        |        |                |        | 6             | 101   |        |          |          |          |
| 71570 GREAT FALLS CLIMATE, MAN          | 5031N    | 09558W    | 253       |           | 982.4        | 1012.6         | 19.2        |        | 15.6           |        | 8             | 67    |        |          |          |          |
| 71585 FORT MCMURRAY CS, ALTA            | 5639N    | 11110W    | 369       |           |              |                | 16.0        |        | 12.5           |        | 8             | 138   |        |          |          |          |
| 71586 LA RONGE RCS, SASK                | 5509N    | 10510W    | 379       |           | 963.8        | 1008.8         | 17.1        |        | 13.5           |        | 9             | 59    | 3      |          |          |          |
| 71590 EDMUNDSTON, NB                    | 4725N    | 06819W    | 157       |           | 993.8        | 1012.4         | 16.5        |        | 14.4           |        | 9             | 159   |        |          |          |          |
| 71592 ARCTIC BAY CS, NU                 | 7259N    | 08500W    | 10        |           | 1005.5       | 1006.8         | 5.8         |        | 7.6            |        | 0             | 0     |        |          |          |          |
| <b>71600 SABLE ISLAND, NS</b>           | 4355N    | 06000W    | 5         |           | 1011.7       | 1012.0         | 17.7        | .1     | 18.6           |        | 13            | 102   | -9     | 4        |          |          |
| 71695 THE PAS CLIMATE, MAN              | 5358N    | 10106W    | 274       |           | 976.3        | 1008.5         | 18.5        |        | 14.5           |        | 3             | 27    |        |          |          |          |
| 71696 CHURCHILL CLIMATE, MAN            | 5844N    | 09404W    | 29        |           |              |                | 15.4        |        | 13.4           |        | 11            | 81    |        |          |          |          |
| 71713 LA POCATIERE, QUE                 | 4721N    | 07001W    | 31        |           |              |                | 16.6        |        | 15.3           |        | 8             | 53    |        | 1        |          |          |
| <b>71721 MANIWAKI AIRPORT, QUE</b>      | 4616N    | 07559W    | 201       |           | 989.9        | 1013.9         | 17.5        |        | 15.2           |        | 9             | 93    |        | 3        |          |          |
| <b>71727 BAGOTVILLE A, QUE</b>          | 4820N    | 07100W    | 159       |           | 994.0        | 1013.2         | 17.3        | .9     | 14.7           |        | 8             | 35    | -65    | 0        |          |          |
| <b>71733 GORE BAY A, ONT</b>            | 4553N    | 08234W    | 194       |           | 992.1        | 1015.2         | 18.8        | .6     | 17.1           |        | 7             | 42    | -35    | 1        |          |          |
| 71741 KAMLOOPS AUT, BC                  | 5042N    | 12026W    | 345       |           | 970.9        | 1011.5         | 21.0        |        | 10.9           |        | 5             | 13    |        |          |          |          |
| 71742 GANDER AIRPORT CS, NFLD           | 4856N    | 05434W    | 151       |           | 995.1        | 1013.3         | 15.9        |        | 15.2           |        | 14            | 147   |        |          |          |          |
| <b>71813 NATASHQUAN A, QUE</b>          | 5011N    | 06149W    | 11        |           | 1010.7       | 1011.9         | 16.3        | 2.8    | 15.0           |        | 5             | 20    | -86    | 1        |          |          |
| <b>71816 GOOSE A, NFLD</b>              | 5319N    | 06025W    | 49        |           | 1005.8       | 1011.8         | 15.9        | 1.7    | 13.0           |        | 9             | 72    | -26    | 2        | 177      | 95       |
| <b>71818 CARTWRIGHT, NFLD</b>           | 5342N    | 05702W    | 15        |           | 1009.7       | 1011.5         | 13.3        | 1.4    | 12.2           |        | 11            | 104   | 21     | 3        | 184      | 100      |
| 71823 LA GRANDE IV A, QUE               | 5345N    | 07340W    | 306       |           | 975.3        | 1012.1         | 16.2        |        | 13.5           |        | 11            | 78    |        | 2        |          |          |
| 71827 LA GRANDE RIVIERE A,              | 5338N    | 07742W    | 195       |           | 988.5        | 1012.2         | 16.5        |        | 13.7           |        | 12            | 107   |        | 5        |          |          |
| <b>71828 SCHEFFERVILLE A, QUE</b>       | 5448N    | 06648W    | 518       |           | 950.6        | 1012.6         | 14.3        | 3.3    | 12.3           |        | 13            | 57    | -32    | 2        |          |          |
| <b>71842 SIOUX LOOKOUT A, ONT</b>       | 5007N    | 09154W    | 390       |           | 968.6        | 1014.2         | 18.8        | 2.0    | 14.3           |        | 8             | 33    | -54    | 1        |          |          |
| <b>71844 BIG TROUT LAKE READAC, ONT</b> | 5348N    | 08953W    | 222       |           | 984.4        | 1011.2         | 17.4        |        | 14.5           |        | 8             | 25    |        | 1        |          |          |
| <b>71862 ESTEVAN A, SASK</b>            | 4913N    | 10250W    | 584       |           | 944.1        | 1012.0         | 18.9        | .1     | 14.0           |        | 5             | 96    | 43     | 5        |          |          |
| <b>71869 PRINCE ALBERT A, SK</b>        | 5313N    | 10540W    | 428       |           | 959.1        | 1009.9         | 17.8        | 1.7    | 14.1           |        | 3             | 22    | -36    | 1        |          |          |
| <b>71894 ESTEVAN POINT CS, BC</b>       | 4923N    | 12630W    | 7         |           | 1013.8       | 1014.6         |             |        |                |        | 13            | 209   |        | 5        |          |          |
| <b>71905 KUUJJIARAPIK A, QC</b>         | 5517N    | 07745W    | 24        |           | 1008.7       | 1010.0         | 16.6        |        | 14.6           |        | 10            | 60    | -29    | 1        |          |          |

# SURFACE

# AUGUST 2008

| 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>71906 KUUJJUAQ A, QUE</b>       | 5806N    | 06825W    | 44        |           | 1005.9       | 1010.7         | 12.8        | 2.4    | 11.1           |        | 10            | 89    | 23     | 4        |          |          |
| <b>71907 INUKJUAQ A, QUE</b>       | 5828N    | 07805W    | 28        |           | 1005.4       | 1008.5         | 13.6        | 4.7    | 13.4           |        | 11            | 79    | 17     | 5        |          |          |
| <b>71915 CORAL HARBOUR A,</b>      | 6411N    | 08321W    | 64        |           | 1001.3       | 1009.3         | 8.7         | 1.6    | 9.9            |        | 12            | 157   | 107    | 6        |          |          |
| <b>71917 EUREKA, NU</b>            | 7959N    | 08556W    | 11        |           | 1007.9       | 1009.2         | 3.8         | .8     | 6.7            |        | 4             | 28    | 17     | 5        |          |          |
| 71923 ENNADAI LAKE (AUT), NU       | 6107N    | 10050W    | 353       |           | 966.0        | 1008.4         | 14.1        |        | 11.7           |        | 3             | 46    |        |          |          |          |
| <b>71945 FORT NELSON A, BC</b>     | 5850N    | 12230W    | 389       |           | 963.4        | 1009.0         | 15.6        | .7     | 12.7           |        | 9             | 78    | 15     | 4        |          |          |
| <b>71950 SMITHERS A, BC</b>        | 5449N    | 12710W    | 522       |           | 950.0        | 1011.3         | 14.9        | .5     | 11.7           |        | 13            | 74    | 32     | 5        |          |          |
| <b>71964 WHITEHORSE A, YT</b>      | 6042N    | 13500W    | 706       |           | 926.5        | 1010.0         | 11.9        | -.4    | 9.4            |        | 8             | 48    | 9      | 5        |          |          |
| <b>71966 DAWSON, YT</b>            | 6403N    | 13900W    | 370       |           | 964.4        | 1009.2         | 10.6        |        | 9.4            |        | 1             | 2     |        | 0        |          |          |
| 71984 PAULATUK, NWT                | 6921N    | 12400W    | 6         |           | 1010.7       | 1011.5         | 6.9         |        | 8.2            |        | 9             | 69    |        |          |          |          |
| 71989 MOULD BAY CS, NWT            | 7614N    | 11920W    | 2         |           | 1010.0       | 1011.6         | 2.9         |        | 6.6            |        | 6             | 23    |        | 4        |          |          |
| 71990 MACMILLAN PASS, NWT          | 6314N    | 13000W    | 1379      |           | 853.8        | 1010.2         | 7.3         |        | 7.7            |        | 12            | 65    |        |          |          |          |
| <b>ST. PIERRE AND MIQUELON</b>     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 71805 SAINT-PIERRE                 | 4646N    | 05611W    | 23        |           | 1010.2       | 1013.0         | 15.7        |        | 16.6           |        | 17            | 227   |        |          | 93       |          |
| <b>MEXICO</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 76225 CHIHUAHUA, CHIH.             | 2838N    | 10600W    | 1433      |           | 860.8        | 1006.4         | 23.7        |        | 17.9           |        | 14            | 152   |        | 5        | 232      |          |
| 76243 PIEDRAS NEGRAS, COAH.        | 2842N    | 10030W    | 250       |           | 983.1        | 1010.9         | 30.9        |        | 27.3           |        | 7             | 138   |        | 4        | 223      |          |
| 76256 EMPALME, SON.                | 2757N    | 11040W    | 12        |           | 1007.5       | 1008.8         | 31.2        |        | 30.8           |        | 7             | 241   |        | 5        | 270      |          |
| 76311 CHOIX, SIN.                  | 2644N    | 10810W    | 238       |           | 982.6        | 1009.3         | 28.0        |        | 29.4           |        | 17            | 304   |        | 4        | 204      |          |
| 76342 MONCLOVA, COAH.              | 2653N    | 10120W    | 615       |           | 944.7        | 1012.5         | 28.3        |        | 23.2           |        | 14            | 173   |        | 6        | 226      |          |
| 76382 TORREON, COAH.               | 2532N    | 10320W    | 1124      |           | 887.8        | 1008.0         | 27.1        |        | 22.0           |        | 11            | 86    |        | 5        | 189      | 140      |
| 76390 SALTILLO, COAH.              | 2522N    | 10100W    | 1790      |           | 822.8        | 1009.2         | 19.8        |        | 17.0           |        | 16            | 150   |        | 5        | 197      |          |
| 76393 MONTERREY, N.L.              | 2544N    | 10010W    | 515       |           | 954.1        | 1009.3         | 27.8        |        | 29.1           |        | 11            | 158   |        | 5        | 178      | 145      |
| 76402 CIUDAD CONSTITUCION, BCS     | 2457N    | 11140W    | 48        |           | 1005.9       | 1011.4         | 27.7        |        | 28.8           |        | 5             | 85    |        | 4        | 233      |          |
| 76405 LA PAZ, BCS                  | 2410N    | 11010W    | 18        |           | 1007.1       | 1009.2         | 29.9        |        | 26.7           |        | 8             | 48    |        | 3        | 244      |          |
| 76423 DURANGO, DGO.                | 2403N    | 10430W    | 1872      |           | 814.7        | 1007.9         | 20.3        |        | 12.7           |        | 23            | 227   |        | 6        | 191      |          |
| 76458 COLONIA JUAN CARRASCO MAZATL | 2312N    | 10620W    | 4         |           | 1009.6       | 1010.0         | 28.6        | -.2    | 30.4           | -.8    | 17            | 378   | 162    | 5        | 220      | 94       |
| 76548 TAMPICO, TAMP                | 2212N    | 09751W    | 25        |           | 1008.7       | 1011.7         | 29.0        | .9     | 31.2           | 1.6    | 11            | 142   | 22     | 4        | 204      | 92       |
| 76556 TEPIC, NAY.                  | 2131N    | 10450W    | 915       |           | 909.8        | 1009.5         | 23.4        |        | 25.1           |        | 25            | 330   |        | 5        | 178      |          |
| 76577 GUANAJUATO, GTO.             | 2100N    | 10110W    | 1999      |           | 803.7        | 1009.4         | 19.4        | .1     | 16.4           | 1.3    | 18            | 326   | 186    | 2        | 180      | 82       |
| 76581 RIO VERDE, S.L.P.            | 2156N    | 09959W    | 983       |           | 902.1        | 1009.1         | 24.6        |        | 23.5           |        | 11            | 162   |        | 5        | 213      |          |
| 76585 MATLAPA, S.L.P.              | 2119N    | 09849W    | 132       |           | 996.2        | 1011.3         | 27.2        |        | 30.5           |        | 15            | 232   |        | 5        | 184      |          |
| 76634 TULANCINGO, HGO.             | 2005N    | 09822W    | 2181      |           | 784.9        | 1011.6         | 17.3        |        | 14.9           |        | 9             | 48    |        | 2        | 219      |          |
| 76640 TUXPAN, VER.                 | 2057N    | 09724W    | 28        |           | 1010.5       | 1011.6         | 29.3        |        | 35.2           |        | 7             | 117   |        | 2        | 232      |          |
| 76644 AEROP.INTERNACIONAL MERIDA,  | 2059N    | 08939W    | 9         |           | 1011.0       | 1012.2         | 28.8        | 1.5    | 28.3           | -.3    | 6             | 56    | -107   | 0        | 311      | 126      |
| 76647 VALLADOLID, YUC.             | 2041N    | 08812W    | 27        |           | 1008.7       | 1011.7         | 30.1        |        | 30.4           |        | 10            | 119   |        | 1        | 271      |          |
| 76654 MANZANILLO, COL.             | 1903N    | 10410W    | 3         |           | 1010.9       | 1011.3         | 28.4        |        | 30.7           |        | 10            | 99    |        | 2        | 218      |          |
| 76656 CIUDAD GUZMAN, JAL.          | 1943N    | 10320W    | 1515      |           | 850.0        | 1011.2         | 20.4        |        | 19.2           |        | 14            | 148   |        | 4        | 172      |          |
| 76665 MORELIA, MICH.               | 1942N    | 10110W    | 1913      |           | 811.3        | 1008.9         | 19.6        | 1.2    | 16.6           | 1.4    | 17            | 148   | -14    | 3        | 203      | 128      |
| 76675 TOLUCA, MEX.                 | 1917N    | 09941W    | 2720      |           | 738.6        | 1011.2         | 14.0        |        | 11.7           |        | 18            | 167   |        | 4        | 205      |          |
| 76680 MEXICO (CENTRAL),            | 1924N    | 09911W    | 2303      |           | 774.9        | 1006.5         | 17.6        | 1.2    | 14.4           | 1.3    | 19            | 163   | -10    | 5        | 198      | 125      |
| 76683 TLAXCALA, TLAX.              | 1919N    | 09815W    | 2248      |           | 781.6        | 1011.7         | 18.1        |        | 14.6           |        | 16            | 133   |        | 4        | 152      |          |
| 76692 HACIENDA YLANG YLANG VERACRU | 1909N    | 09607W    | 16        |           | 1009.7       | 1011.6         | 28.7        | .7     | 30.1           | .7     | 10            | 133   | -219   | 0        | 266      | 120      |

# SURFACE

# AUGUST 2008

| 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. |
| 76695 CAMPECHE, CAMP.                   | 1951N    | 09033W    | 5         |           | 1010.1       | 1010.7         | 29.0        |        | 29.7           |        | 10            | 182   |        | 2        | 308      |          |
| 76726 CUERNAVACA, MOR.                  | 1853N    | 09914W    | 1618      |           | 838.6        | 1008.2         | 21.0        |        | 17.3           |        | 23            | 399   |        |          | 203      |          |
| 76737 ORIZABA, VER.                     | 1851N    | 09706W    | 1259      |           | 876.3        | 1012.0         | 20.9        |        | 20.7           |        | 23            | 407   |        | 3        | 181      |          |
| 76741 COATZACOALCOS, VER.               | 1808N    | 09425W    | 22        |           | 1008.9       | 1010.7         | 28.2        |        | 32.3           |        | 10            | 121   |        |          | 241      |          |
| 76750 CHETUMAL, Q.R.                    | 1829N    | 08818W    | 7         |           | 1010.8       | 1011.8         | 30.0        |        | 30.0           |        | 7             | 49    |        | 0        | 240      |          |
| 76762 CHILPANCINGO, RO.                 | 1733N    | 09930W    | 1265      |           | 874.9        | 1010.7         | 20.9        |        | 21.1           |        | 20            | 137   |        | 2        | 211      | 115      |
| 76805 ACAPULCO, GRO.                    | 1650N    | 09956W    | 3         |           | 1010.5       | 1010.9         | 28.4        | .0     | 29.7           | -1.4   | 15            | 333   | 21     | 4        | 225      | 98       |
| 76840 ARRIAGA, CHIS.                    | 1614N    | 09354W    | 48        |           | 1005.6       | 1011.1         | 28.3        |        | 30.6           |        | 15            | 376   |        |          | 210      |          |
| 76845 SN. CRISTOBAL LAS CASAS, CHI      | 1645N    | 09238W    | 2116      |           | 793.2        | 1011.6         | 16.4        |        | 15.0           |        | 18            | 270   |        | 6        | 183      |          |
| 76848 COMITAN, CHIS.                    | 1615N    | 09208W    | 1646      |           | 837.1        | 1006.2         | 19.2        |        | 16.7           |        | 17            | 241   |        | 4        | 241      |          |
| 76855 PUERTO ANGEL, OAX.                | 1541N    | 09629W    | 46        |           | 1004.7       | 1009.6         | 27.2        |        | 29.0           |        | 13            | 166   |        | 3        | 216      |          |
| 76903 TAPACHULA, CHIS                   | 1455N    | 09215W    | 118       |           | 999.3        | 1012.7         | 26.9        |        | 28.6           |        | 25            | 298   |        | 3        | 183      |          |
| <b>JAMAICA</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78388 MONTEGO BAY/SANGSTER              | 1830N    | 07755W    | 8         |           | 1012.7       | 1012.8         | 28.5        |        | 31.6           |        | 10            | 223   |        |          | 263      |          |
| 78397 KINGSTON/NORMAN MANLEY            | 1756N    | 07647W    | 14        |           | 1010.6       | 1011.9         | 28.1        |        | 26.7           |        | 8             | 549   |        | 6        | 260      |          |
| <b>PUERTO RICO AND US POSS</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78526 SAN JUAN/INT.,                    | 1825N    | 06559W    | 4         |           |              | 1013.2         | 28.9        | .7     | 28.7           |        | 10            | 101   | -34    | 2        |          |          |
| <b>BELIZE</b>                           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78583 BELIZE/PHILLIP GOLDSTON INTL      | 1732N    | 08818W    | 5         |           |              |                | 28.7        | .8     |                |        | 11            | 96    | -90    | 1        | 261      | 111      |
| <b>HONDURAS</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78705 LA CEIBA (AIRPORT)                | 1544N    | 08652W    | 26        |           | 1009.4       | 1011.5         | 28.5        | .9     | 28.4           | -1.2   | 7             | 71    | -126   | 1        | 230      | 105      |
| <b>NICARAGUA</b>                        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78741 MANAGUA A.C.SANDINO               | 1209N    | 08610W    | 56        |           | 1004.1       | 1010.3         | 27.0        |        | 27.7           |        | 15            | 126   |        | 3        | 212      |          |
| <b>COSTA RICA</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78762 JUAN SANTAMARIA INT. AIRPORT      | 0959N    | 08413W    | 934       |           | 911.5        | 1013.2         | 21.6        | -2     | 22.2           |        | 28            | 465   | 189    | 5        |          |          |
| 78767 PUERTO LIMON                      | 1000N    | 08303W    | 5         |           | 1010.3       | 1010.5         | 26.6        | 1.0    | 27.9           |        | 14            | 303   | 15     | 3        | 208      | 143      |
| <b>NETHERLANDS ANTILLES &amp; ARUBA</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78866 JULIANA AIRPORT,                  | 1802N    | 06307W    | 4         |           | 1013.7       | 1014.2         | 28.1        | -1     | 27.7           | -1.1   | 16            | 233   | 134    | 6        | 258      | 98       |
| <b>GUADELOUPE &amp; OTHER FRENCH IS</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 78890 LA DESIRADE                       | 1620N    | 06100W    | 33        |           | 1009.7       | 1013.4         | 28.9        |        | 30.3           |        | 10            | 33    |        |          |          |          |
| <b>GUADELOUPE</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 78894 GUSTAVIA,<br><b>78897 LE RAIZET, GUADELOUPE</b>        | 1754N<br>1616N | 06251W<br>06131W | 45<br>11  |           | 1008.1<br>1012.0 | 1013.6<br>1013.3 | 28.7<br>27.9 | .<br>.2 | 30.4<br>28.5   | 1.4     | 12<br>14      | 70<br>64  | -31<br>-134 | 2<br>1   | 234      |          |
| <b>MARTINIQUE</b><br>78922 CARAVELLE<br>78925 LE LAMENTIN    | 1446N<br>1436N | 06053W<br>06100W | 33<br>8   |           | 1008.3<br>1011.6 | 1012.7<br>1012.6 | 28.5<br>28.0 | .<br>.8 | 30.4<br>29.7   | .<br>-1 | 12<br>17      | 55<br>190 | -61         | 2        | 217      | 86       |
| <b>BARBADOS</b><br><b>78954 GRANTLEY ADAMS</b>               | 1304N          | 05929W           | 56        |           | 1005.6           | 1012.0           | 27.9         |         | 31.9           |         | 15            | 125       |             | 3        | 260      |          |
| <b>TRINIDAD AND TOBAGO</b><br>78970 PIARCO INT. AIRPORT,     | 1037N          | 06121W           | 15        |           | 1008.9           | 1011.4           | 27.6         | 1.2     | 30.2           | 1.6     | 23            | 314       | 64          | 5        | 218      | 103      |
| <b>CURACAO AND BONAIRE</b><br>78988 HATO AIRPORT, CURACAO    | 1212N          | 06858W           | 9         |           | 1010.2           | 1011.1           | 29.0         | .5      | 29.5           | -3      | 8             | 68        | 27          | 5        | 297      | 103      |
| <b>COLOMBIA</b><br><b>80001 SAN ANDRES (ISLA)/SESQUICENT</b> | 1235N          | 08143W           | 6         |           | 1010.6           | 1010.7           | 28.0         | .2      | 31.3           | .0      | 15            | 239       | 39          | 4        | 249      | 120      |
| <b>S AMERICA</b>   |                |                  |           |           |                  |                  |              |         |                |         |               |           |             |          |          |          |
| <b>COLOMBIA</b><br>80009 SANTA MARTA/SIMON BOLIVAR           | 1108N          | 07414W           | 14        |           | 1009.5           | 1010.0           | 28.4         | .1      | 30.0           | .8      | 11            | 202       | 153         | 6        | 202      | 90       |
| 80022 CARTAGENA/RAFAEL NUNEZ                                 | 1027N          | 07531W           | 12        |           | 1009.7           | 1009.9           | 28.2         | .2      | 31.6           | 1.0     | 15            | 215       | 91          | 5        | 196      | 94       |
| 80028 BARRANQUILLA/ERNESTO CORTISS                           | 1053N          | 07447W           | 30        |           | 1006.9           | 1010.5           | 27.5         | -4      | 30.5           | .3      | 15            | 164       | 62          | 5        | 172      | 84       |
| 80084 APARTADO/LOS CEDROS                                    | 0749N          | 07642W           | 20        |           |                  |                  | 27.2         |         | 30.8           |         | 16            | 172       |             |          | 157      | 130      |
| 80091 BARRANCABERMEJA/YARIGUIES                              | 0701N          | 07348W           | 134       |           |                  |                  | 27.2         | -8      | 28.2           | -1      | 20            | 549       | 305         | 6        | 178      | 86       |
| 80094 BUCARAMANGA/PALONEGRO                                  | 0706N          | 07312W           | 1189      |           | 881.1            |                  | 21.0         |         | 21.5           |         | 13            | 75        | -17         | 3        | 152      | 115      |
| 80097 CUCUTA/CAMILO DAZA                                     | 0756N          | 07231W           | 317       |           | 974.3            | 1008.8           | 27.4         | -9      | 24.8           | 1.7     | 10            | 128       | 95          | 5        | 343      | 162      |
| 80099 ARAUCA/SANTIAGO PEREZ                                  | 0704N          | 07044W           | 128       |           | 991.3            | 1005.9           | 26.1         | .2      | 29.0           | .9      | 15            | 197       | -25         | 2        | 189      | 117      |
| 80112 RIONEGRO/J.M.CORDOVA                                   | 0608N          | 07526W           | 2142      |           | 791.2            |                  | 16.3         |         | 15.4           |         | 27            | 358       |             |          | 179      | 80       |
| 80139 PUERTO CARRENO/A.GUAUQUEA                              | 0610N          | 06730W           | 55        |           |                  |                  | 27.0         | .5      |                |         | 19            | 416       | 72          | 4        | 128      | 86       |
| 80144 QUIBDO/EL CARANO                                       | 0543N          | 07637W           | 53        |           |                  |                  | 26.4         | .0      | 28.6           | -9      | 28            | 647       | -221        | 1        | 129      | 98       |
| 80214 IBAGUE/PERALES   | 0426N          | 07509W           | 928       |           |                  |                  | 23.3         | -1.6    | 22.0           | 2.4     | 13            | 216       | 116         | 5        | 184      | 96       |
| <b>80222 BOGOTA/ELDORADO</b>                                 | 0442N          | 07409W           | 2547      |           | 752.5            |                  | 12.7         | -4      | 12.7           | 1.1     | 16            | 94        | 45          | 5        | 109      | 79       |
| 80234 VILLAVICENCIO/VANGUARDIA                               | 0410N          | 07337W           | 431       |           | 960.7            | 1009.7           | 25.4         | .9      | 24.8           | .4      | 20            | 242       | -154        | 1        | 156      | 121      |
| <b>80259 CALI/ALFONSO BONILLA ARAGON</b>                     | 0333N          | 07623W           | 969       |           | 905.5            |                  | 23.1         |         | 21.2           |         | 14            | 101       | 55          | 5        | 170      | 120      |
| 80315 NEIVA/BENITO SALAS                                     | 0258N          | 07518W           | 443       |           | 958.8            | 1007.7           | 27.9         | -8      | 23.7           | 3.5     | 5             | 43        | 13          | 5        | 189      | 114      |
| 80370 IPIALES/SAN LUIS                                       | 0049N          | 07738W           | 2961      |           |                  |                  | 10.6         | .7      | 10.2           | .1      | 11            | 29        | -11         | 3        | 128      | 99       |
| 80398 LETICIA/VASQUEZ COBO                                   | 0410S          | 06957W           | 84        |           | 1002.2           | 1011.8           | 25.9         | .3      | 29.2           | 1.6     | 13            | 146       | -27         | 3        | 228      | 114      |

# SURFACE

# AUGUST 2008

| 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>VENEZUELA</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 80403 CORO                            | 1125N    | 06941W    | 17        |           | 1009.8       | 1011.6         | 29.1        | .4     | 32.2           |        | 7             | 114   | 90     | 6        | 257      | 89       |
| 80410 BARQUISIMETO                    | 1004N    | 06919W    | 614       |           |              |                | 29.7        | 6.2    | 22.6           |        | 5             | 30    | -23    | 1        | 237      | 98       |
| 80413 MARACAY - B.A. SUCRE            | 1015N    | 06739W    | 437       |           | 963.5        | 1011.8         | 25.5        | 1.1    | 28.6           |        | 11            | 93    | -79    | 1        | 231      | 101      |
| 80415 CARACAS/MAIQUETIA AEROP. INT    | 1036N    | 06659W    | 48        |           | 1006.1       | 1011.5         | 29.0        | 2.0    | 28.4           |        | 9             | 78    | 28     | 5        | 243      | 100      |
| 80416 CARACAS/LA CARLOTA              | 1030N    | 06653W    | 835       |           | 918.4        |                |             |        | 21.6           |        | 14            | 210   | 86     |          | 223      | 103      |
| 80419 BARCELONA                       | 1007N    | 06441W    | 7         |           | 1010.4       | 1011.3         | 27.3        | .8     | 23.9           |        | 7             | 52    | -69    | 1        | 209      | 89       |
| 80420 CUMANA                          | 1027N    | 06411W    | 4         |           | 1010.4       | 1011.0         | 29.7        |        | 34.0           |        | 11            | 147   |        |          | 246      | 100      |
| 80421 PORLAMAR (AEROPUERTO INT. DE    | 1055N    | 06358W    | 24        |           | 1008.9       | 1011.1         | 27.9        |        | 31.1           |        | 7             | 139   |        |          | 264      | 100      |
| <b>80423 GUIRIA</b>                   | 1035N    | 06219W    | 14        |           |              |                | 26.1        | -1.1   | 26.2           |        | 8             | 87    | -41    | 1        | 261      | 123      |
| <b>80425 MENE GRANDE</b>              | 0949N    | 07056W    | 28        |           | 1007.4       | 1010.6         | 27.9        | .3     | 29.8           |        | 15            | 194   | 56     | 5        | 206      | 91       |
| 80426 VALERA                          | 0921N    | 07037W    | 582       |           | 947.7        | 1011.9         | 24.5        |        | 25.2           |        | 18            | 219   |        |          | 179      | 90       |
| 80427 ACARIGUA                        | 0933N    | 06914W    | 226       |           | 986.0        | 1011.9         | 25.1        | .1     | 27.2           |        | 15            | 237   | 40     |          | 191      | 98       |
| 80428 GUANARE                         | 0901N    | 06944W    | 163       |           | 991.2        | 1009.6         | 25.7        | .7     | 27.4           |        | 21            | 396   | 196    |          | 199      | 107      |
| 80431 SAN JUAN DE LOS MORROS          | 0955N    | 06720W    | 429       |           | 962.2        | 1009.6         | 25.5        |        | 25.4           |        | 13            | 121   |        |          | 219      | 110      |
| 80432 CARRIZAL                        | 0925N    | 06655W    | 161       |           | 990.1        | 1008.1         | 25.9        |        | 27.4           |        | 13            | 97    |        |          |          |          |
| 80434 VALLE DE LA PASCUA              | 0913N    | 06601W    | 125       |           | 991.2        | 1006.0         | 25.9        |        | 27.9           |        | 11            | 67    |        |          | 233      |          |
| 80435 MATURIN                         | 0945N    | 06311W    | 66        |           | 1003.6       | 1011.2         | 27.4        | 1.2    | 28.1           |        | 14            | 150   | -27    | 2        | 211      | 103      |
| 80437 EL VIGIA                        | 0838N    | 07139W    | 103       |           | 1000.4       | 1008.8         | 27.1        |        | 25.9           |        | 16            | 229   |        |          | 191      |          |
| <b>80438 MERIDA</b>                   | 0836N    | 07111W    | 1498      |           | 846.7        | 1522 Y         | 19.8        | .4     | 17.8           |        | 22            | 199   | 47     | 5        | 206      | 97       |
| 80440 BARINAS                         | 0837N    | 07013W    | 204       |           | 990.6        | 1011.7         | 26.1        |        | 27.4           |        | 17            | 283   |        |          | 201      |          |
| 80442 CALABOZO                        | 0856N    | 06725W    | 101       |           | 1000.1       | 1011.2         | 26.8        |        | 29.4           |        | 15            | 182   |        |          | 210      |          |
| 80444 CIUDAD BOLIVAR                  | 0809N    | 06333W    | 48        |           | 1004.5       | 1009.7         | 27.9        | .5     | 32.0           |        | 14            | 140   | -20    | 4        | 238      | 96       |
| 80447 SAN ANTONIO DEL TACHIRA         | 0751N    | 07227W    | 378       |           | 966.5        | 1008.4         | 26.5        | -.6    | 23.7           |        | 11            | 63    | 37     | 5        | 192      | 96       |
| 80448 GUASDUALITO                     | 0714N    | 07048W    | 131       |           |              |                | 25.2        | -.1    | 28.0           |        | 14            | 193   | -34    |          | 178      | 109      |
| <b>80450 SAN FERNANDO DE APURE</b>    | 0754N    | 06725W    | 48        |           |              |                | 26.4        | .3     | 31.5           |        | 20            | 213   | -42    | 2        | 203      | 109      |
| <b>80453 TUMEREMO</b>                 | 0718N    | 06127W    | 181       |           |              |                | 24.5        | -.9    | 26.3           |        | 11            | 186   | 61     | 5        | 262      | 119      |
| 80457 PUERTO AYACUCHO                 | 0536N    | 06730W    | 74        |           | 1004.0       | 1012.5         | 26.4        | 1.0    | 23.7           |        | 12            | 310   | 12     | 3        | 170      | 110      |
| <b>80462 SANTA ELENA DE UAIREN</b>    | 0436N    | 06107W    | 907       |           |              |                | 21.8        | .9     | 22.7           |        | 20            | 283   | 97     | 5        | 220      | 103      |
| 80472 VALENCIA                        | 1010N    | 06756W    | 431       |           | 963.0        | 1010.8         | 25.2        |        | 25.8           |        | 6             | 120   |        |          | 221      |          |
| 80475 STO. DOMINGO                    | 0735N    | 07204W    | 327       |           | 977.1        | 1014.2         | 23.5        |        | 25.9           |        | 18            | 307   |        |          | 164      |          |
| <b>FRENCH GUIANA</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 81401 SAINT-LAURENT-DU-MARONI         | 0530N    | 05402W    | 9         |           | 1010.8       | 1011.3         | 27.2        |        | 28.0           |        | 14            | 92    | -75    |          |          |          |
| <b>81405 ROCHAMBEAU</b>               | 0450N    | 05222W    | 9         |           | 1010.7       | 1011.7         | 26.7        |        | 27.5           |        | 12            | 91    | -74    |          | 255      | 106      |
| 81408 SAINT GEORGES DE L'OYAPOCK      | 0353N    | 05148W    | 7         |           | 1010.7       | 1011.5         | 26.6        |        | 27.1           |        | 9             | 83    | -31    |          |          |          |
| 81415 MARIPASOULA                     | 0338N    | 05402W    | 104       |           | 999.6        | 1011.6         | 26.5        |        | 28.8           |        | 8             | 134   | -19    |          |          |          |
| <b>BRAZIL</b>                         |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>82024 BOA VISTA</b>                | 0249N    | 06039W    | 90        |           |              |                | 27.8        |        | 29.5           |        | 14            | 90    |        | 1        | 206      |          |
| 82098 MACAPA                          | 0002N    | 05103W    | 15        |           | 1009.4       | 1011.1         | 28.4        | 1.6    | 31.4           |        | 3             | 31    | -67    | 1        | 105      | 39       |
| <b>82106 SAO GABRIEL DA CACHOEIRA</b> | 0008S    | 06705W    | 90        |           |              |                | 25.8        |        | 29.7           |        | 14            | 176   |        | 2        | 181      |          |
| <b>82113 BARCELOS</b>                 | 0059S    | 06255W    | 40        |           |              |                | 27.2        | 1.5    | 30.7           |        | 7             | 53    | -46    | 0        | 187      | 98       |

# SURFACE

# AUGUST 2008

| 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. |
| 82145 TRACUATEUA (BRAGANCA)        | 0105S    | 04656W    | 36        |           | 1007.2       | 1011.4         | 26.3        | .7     | 30.0           |        | 10            | 77    | -24    | 3        | 270      | 114      |
| 82181 MONTE ALEGRE                 | 0200S    | 05405W    | 146       |           | 998.8        | 1012.8         | 28.6        | 1.8    | 28.0           |        | 1             | 9     | -41    | 1        | 160      | 64       |
| 82184 PORTO DE MOZ                 | 0144S    | 05214W    | 16        |           | 1009.5       | 1011.3         | 28.3        | 1.6    | 30.0           |        | 8             | 52    | -35    | 1        | 187      | 74       |
| 82191 BELEM                        | 0127S    | 04828W    | 10        |           | 1009.7       | 1010.3         | 27.6        | 1.6    | 30.1           |        | 5             | 152   | 21     | 4        | 282      | 111      |
| 82212 FONTE BOA                    | 0232S    | 06610W    | 56        |           | 1003.5       | 1011.7         | 27.3        |        | 31.1           |        | 14            | 185   |        | 5        | 183      |          |
| 82246 BELTERRA                     | 0238S    | 05457W    | 176       |           | 992.3        | 1012.1         | 26.8        | -.9    | 31.8           |        | 5             | 36    | -16    | 3        | 254      | 101      |
| 82280 SAO LUIZ                     | 0232S    | 04418W    | 51        |           | 1005.7       | 1011.5         | 26.8        | .8     | 29.5           |        | 6             | 51    | 19     | 4        | 79       | 30       |
| <b>82331 MANAUS</b>                | 0308S    | 06001W    | 72        |           | 1003.0       | 1011.2         | 27.9        | .9     | 31.3           |        | 7             | 58    | 1      | 3        | 318      | 141      |
| 82397 FORTALEZA                    | 0346S    | 03836W    | 26        |           | 1010.0       | 1013.2         | 26.3        | .2     | 25.7           |        | 3             | 55    | 24     | 5        | 287      | 171      |
| <b>82410 BENJAMIN CONSTANT</b>     | 0423S    | 07002W    | 65        |           |              |                | 26.6        |        | 29.7           |        | 9             | 148   |        | 4        | 198      |          |
| <b>82425 COARI</b>                 | 0405S    | 06308W    | 46        |           |              |                | 28.7        |        | 30.6           |        | 8             | 47    |        | 2        |          |          |
| 82445 ITAITUBA                     | 0416S    | 05559W    | 45        |           | 1007.5       | 1012.7         | 28.3        | 1.3    | 31.3           |        | 4             | 75    | -17    | 4        | 88       | 39       |
| 82460 BACABAL                      | 0415S    | 04447W    | 25        |           | 1008.5       | 1011.4         | 28.5        |        | 26.9           |        | 2             | 13    |        | 4        | 93       | 35       |
| 82533 MANICORE                     | 0549S    | 06118W    | 50        |           | 1005.1       | 1010.6         | 27.1        |        | 28.5           |        | 4             | 48    |        | 3        | 228      |          |
| 82562 MARABA                       | 0521S    | 04909W    | 95        |           | 999.3        | 1009.0         | 29.3        | 2.5    | 24.4           |        | 1             | 3     | -19    | 3        | 192      | 97       |
| <b>82571 BARRA DO CORDA</b>        | 0530S    | 04516W    | 153       |           | 993.5        | 1010.9         | 27.7        | 2.0    | 22.2           |        | 1             | 6     | -8     | 3        | 178      | 74       |
| 82578 TERESINA                     | 0505S    | 04249W    | 74        |           | 1003.1       |                |             |        | 23.1           |        | 1             | 2     | -9     | 3        | 304      | 106      |
| <b>82586 QUIXERAMOBIM</b>          | 0512S    | 03918W    | 212       |           | 987.2        | 1010.7         | 26.4        | -.6    | 18.6           |        | 4             | 5     | -5     | 2        | 268      | 98       |
| 82598 NATAL                        | 0546S    | 03512W    | 45        |           | 1008.8       | 1014.0         | 25.0        |        | 26.2           |        | 17            | 401   |        | 6        | 226      | 90       |
| 82678 FLORIANO                     | 0646S    | 04301W    | 127       |           | 998.2        | 1013.8         | 28.9        | .1     | 19.5           |        | 0             | 0     | -1     | 0        | 307      | 109      |
| <b>82704 CRUZEIRO DO SUL</b>       | 0738S    | 07240W    | 170       |           | 986.9        | 1006.2         | 26.3        |        | 27.0           |        | 8             | 60    |        | 3        | 214      |          |
| 82723 LABREA                       | 0712S    | 06450W    | 60        |           | 1003.7       | 1010.4         | 27.2        |        | 30.4           |        | 14            |       |        |          | 221      |          |
| 82765 CAROLINA                     | 0720S    | 04728W    | 193       |           | 990.0        | 1013.8         | 29.1        | 1.6    | 20.1           |        | 1             | 2     | -14    | 3        | 298      | 112      |
| 82784 BARBALHA                     | 0719S    | 03918W    | 409       |           | 967.8        | 1013.0         | 24.8        | -.1    | 21.6           |        | 2             | 83    | 78     | 4        | 257      | 91       |
| 82791 PATOS                        | 0701S    | 03716W    | 249       |           | 986.0        | 1014.0         | 26.0        |        | 20.2           |        | 2             |       |        |          | 256      | 95       |
| <b>82861 CONCEICAO DO ARAGUAIA</b> | 0815S    | 04917W    | 157       |           | 990.8        | 1007.6         | 29.2        | 3.1    | 21.4           |        | 0             | 0     | -19    | 0        | 303      | 147      |
| 82900 RECIFE                       | 0803S    | 03455W    | 7         |           | 1014.4       | 1015.3         | 23.9        | .0     | 23.0           |        | 23            | 281   | 68     | 4        | 174      | 161      |
| 82915 RIO BRANCO                   | 0958S    | 06748W    | 160       |           | 992.3        | 1010.5         | 25.7        | 1.4    | 25.7           |        | 5             | 32    | -8     | 3        | 251      | 147      |
| 82983 PETROLINA                    | 0923S    | 04029W    | 370       |           | 972.4        | 1014.1         | 24.9        | .1     | 17.8           |        | 0             | 0     | -4     | 0        | 273      | 104      |
| 82986 PAULO AFONSO                 | 0924S    | 03813W    | 253       |           | 987.4        | 1014.9         | 23.5        | .0     | 22.1           |        | 10            | 362   | 337    | 5        | 176      | 83       |
| <b>83064 PORTO NACIONAL</b>        | 1043S    | 04835W    | 239       |           | 983.8        | 1010.4         | 28.4        | 1.4    | 17.3           |        | 0             | 0     | -7     | 0        | 307      | 106      |
| 83096 ARACAJU                      | 1055S    | 03703W    | 5         |           | 1013.6       | 1016.0         | 25.1        | .6     | 25.6           |        | 18            | 85    | -16    | 3        | 203      | 92       |
| 83186 JACOBINA                     | 1111S    | 04028W    | 485       |           | 962.6        | 1014.9         | 22.5        | .7     | 19.7           |        | 8             | 35    | -4     | 3        | 233      | 120      |
| <b>83229 SALVADOR</b>              | 1301S    | 03831W    | 51        |           | 1010.0       | 1017.4         | 23.4        | -.3    | 24.3           |        | 11            | 59    | -76    | 1        | 188      | 93       |
| 83235 TAGUATINGA                   | 1224S    | 04626W    | 604       |           |              |                | 26.2        | 1.1    |                |        | 1             | 1     | -2     |          |          |          |
| <b>83236 BARREIRAS</b>             | 1209S    | 04500W    | 439       |           | 963.1        | 1012.2         | 24.0        | .4     | 13.5           |        | 0             | 0     | -5     | 4        | 317      | 111      |
| 83242 LENCOIS                      | 1234S    | 04123W    | 439       |           | 965.9        | 1015.5         | 22.4        | .7     | 18.1           |        | 9             | 32    | -14    | 2        | 218      | 126      |
| <b>83264 GLEBA CELESTE</b>         | 1212S    | 05630W    | 415       |           | 968.2        | 1014.4         | 26.5        | 3.3    | 16.6           |        | 0             | 0     | -23    | 1        | 288      | 134      |
| 83288 BOM JESUS DA LAPA            | 1316S    | 04325W    | 440       |           | 962.1        | 1012.5         | 25.4        | .5     | 14.3           |        | 0             | 0     | -2     | 0        | 304      | 109      |
| 83332 POSSE                        | 1406S    | 04622W    | 826       |           | 922.1        | 1011.4         | 24.4        | 1.0    | 13.2           |        | 0             | 0     | -12    | 3        | 311      | 113      |
| 83344 VITORIA DA CONQUISTA         | 1457S    | 04053W    | 840       |           | 919.6        |                |             |        | 17.0           |        | 1             | 4     | -14    | 1        | 232      | 109      |
| 83358 POXOREO (POXOREU)            | 1550S    | 05423W    | 450       |           | 965.6        | 1005.4         | 23.9        |        | 16.3           |        | 0             | 0     |        | 0        | 277      |          |
| 83377 BRASILIA                     | 1547S    | 04756W    | 1159      |           | 888.0        | 1012.3         | 21.5        | .3     | 10.3           |        | 1             | 3     | -9     | 3        | 286      | 109      |
| 83423 GOIANIA                      | 1640S    | 04915W    | 741       |           | 931.2        | 1012.9         | 25.0        | 2.1    | 12.7           |        | 0             | 0     | -12    | 3        |          |          |
| <b>83498 CARAVELAS</b>             | 1744S    | 03915W    | 3         |           | 1017.0       | 1017.5         | 22.3        | .0     | 22.9           |        | 6             | 27    | -38    | 2        | 184      | 88       |
| 83550 SAO MATEUS                   | 1842S    | 03951W    | 25        |           |              |                |             |        | 23.0           |        | 13            | 50    | -3     | 4        | 184      | 104      |

# SURFACE

# AUGUST 2008

| 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. |
| 83552 CORUMBA               | 1905S    | 05730W    | 130       |           | 996.7        | 1014.2         | 26.2        | 3.5    | 20.6           |        | 2             | 42    | 10     | 4        |          |          |
| 83565 PARANAIBA             | 1942S    | 05111W    | 331       |           | 966.3        | 1013.0         | 26.9        | 4.8    | 14.6           |        | 5             | 22    | 1      | 4        | 270      | 109      |
| 83579 ARAXA                 | 1934S    | 04656W    | 1004      |           | 904.0        | 1015.3         | 21.3        | 1.9    | 13.1           |        | 3             | 12    | -8     | 4        | 278      | 111      |
| 83587 BELO HORIZONTE        | 1956S    | 04356W    | 850       |           | 914.7        | 1014.9         | 21.3        | 2.3    | 13.3           |        | 2             | 47    | 34     | 5        | 264      | 104      |
| 83592 CARATINGA             | 1948S    | 04209W    | 609       |           | 948.8        | 1017.3         | 20.4        | 1.3    | 16.0           |        | 1             | 21    | -1     | 4        | 254      | 126      |
| <b>83618 TRES LAGOAS</b>    | 2047S    | 05142W    | 313       |           | 977.3        |                | 23.7        | 1.9    | 17.1           |        | 3             | 26    | -9     | 3        | 235      | 110      |
| 83630 FRANCA                | 2033S    | 04726W    | 1026      |           | 905.0        | 1015.4         | 21.1        | 3.3    | 13.6           |        | 3             | 51    | 28     | 4        | 257      | 209      |
| 83648 VITORIA               | 2019S    | 04020W    | 36        |           | 1014.5       | 1018.8         | 23.6        | 1.4    | 21.5           |        | 3             | 27    | -28    | 2        | 218      | 105      |
| 83676 CATANDUVA             | 2108S    | 04858W    | 536       |           | 951.9        | 1014.7         | 22.9        | 1.8    | 14.8           |        | 3             | 48    | 21     | 4        | 240      | 108      |
| 83698 CAMPOS                | 2145S    | 04120W    | 11        |           | 1016.6       | 1018.0         | 22.9        |        | 21.1           |        | 2             | 4     |        | 1        |          |          |
| 83702 PONTA PORA            | 2232S    | 05542W    | 650       |           | 938.0        | 1014.8         | 20.1        | 1.6    | 16.3           |        | 10            | 168   | 100    | 5        |          |          |
| 83704 IVINHEMA              | 2219S    | 05356W    | 369       |           | 970.5        | 1011.3         | 22.0        | 1.9    | 17.0           |        | 7             | 131   | 46     | 4        | 241      | 121      |
| 83716 PRESIDENTE PRUDENTE   | 2207S    | 05123W    | 436       |           | 964.4        |                | 22.6        |        |                |        | 8             | 77    |        | 4        | 256      |          |
| 83726 SAO CARLOS            | 2201S    | 04753W    | 856       |           | 920.9        | 1018.3         | 19.8        | 2.0    | 14.9           |        | 5             | 47    | 17     | 4        | 231      | 216      |
| 83738 RESENDE               | 2229S    | 04428W    | 440       |           | 967.8        | 1018.1         | 19.6        |        | 17.4           |        | 6             | 85    |        | 6        | 190      | 105      |
| 83766 LONDRINA              | 2323S    | 05111W    | 566       |           | 951.0        | 1016.3         | 19.6        | 1.1    | 17.6           |        | 10            | 187   | 125    | 5        | 224      | 113      |
| <b>83781 SAO PAULO</b>      | 2330S    | 04637W    | 792       |           | 927.5        | 1016.5         | 18.9        | 1.8    | 14.9           |        | 7             | 78    | 40     | 5        | 165      | 106      |
| 83836 IRATI                 | 2528S    | 05038W    | 837       |           | 917.6        | 1015.1         | 15.0        |        | 14.3           |        | 13            | 157   |        | 4        | 161      | 100      |
| <b>83842 CURITIBA</b>       | 2525S    | 04916W    | 924       |           | 913.8        | 1017.1         | 15.6        | 1.6    | 14.1           |        | 11            | 165   | 91     | 5        | 142      | 96       |
| <b>83881 IRAI</b>           | 2711S    | 05314W    | 247       |           | 985.3        | 1013.9         | 17.8        | 1.9    | 16.7           |        | 13            | 105   | -42    | 2        | 137      | 87       |
| 83897 FLORIANOPOLIS         | 2735S    | 04834W    | 2         |           | 1017.3       | 1017.6         | 18.2        | 1.3    | 17.1           |        | 11            | 61    | -31    | 3        | 138      | 91       |
| 83967 PORTO ALEGRE          | 3001S    | 05113W    | 47        |           | 1011.7       | 1017.3         | 15.5        | .2     | 14.9           |        | 11            | 122   | -18    | 3        | 163      | 108      |
| 83980 BAGE                  | 3120S    | 05406W    | 242       |           | 987.8        | 1016.6         | 12.2        | -1.1   | 11.8           |        | 9             | 182   | 59     | 5        | 188      | 140      |
| 83997 ST.VITORIA DO PALMAR  | 3331S    | 05321W    | 24        |           | 1014.6       | 1019.1         | 12.1        | .1     | 12.3           |        | 8             | 86    | -21    | 3        | 196      | 120      |
| <b>PERU</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 84370 TUMBES                | 0333S    | 08023W    | 27        |           | 1008.3       | 1011.2         | 24.6        |        | 23.8           |        | 0             | 0     |        | 3        |          |          |
| 84377 IQUITOS               | 0347S    | 07318W    | 126       |           | 999.7        | 1010.1         | 26.3        |        | 27.7           |        | 11            | 97    | -67    | 1        |          |          |
| 84401 PIURA                 | 0512S    | 08036W    | 55        |           | 1010.1       | 1016.9         | 21.9        |        | 19.7           |        | 0             | 0     | 0      | 5        |          |          |
| 84452 CHICLAYO              | 0647S    | 07949W    | 30        |           | 1011.0       | 1014.0         | 19.9        |        | 18.8           |        | 0             | 0     | -1     | 5        |          |          |
| 84455 TARAPOTO              | 0630S    | 07622W    | 282       |           | 981.7        | 1016.8         | 27.2        |        | 24.7           |        | 2             | 19    | -45    | 1        |          |          |
| 84501 TRUJILLO              | 0805S    | 07906W    | 30        |           | 1012.2       | 1016.2         | 18.8        |        | 17.9           |        | 0             | 0     | 0      | 5        |          |          |
| 84515 PUCALLPA              | 0822S    | 07434W    | 149       |           | 993.3        | 1010.9         | 27.5        |        | 27.9           |        | 4             | 14    |        | 1        |          |          |
| 84628 LIMA/CALLAO           | 1201S    | 07707W    | 13        |           | 1013.3       | 1014.9         | 17.7        |        | 16.5           |        | 0             | T     | -1     | 1        | 20       |          |
| 84686 CUZCO                 | 1332S    | 07156W    | 3249      |           | 688.5        |                | 11.4        |        | 5.8            |        | 1             | 5     | -3     | 3        |          |          |
| 84691 PISCO                 | 1344S    | 07613W    | 7         |           | 1014.6       | 1015.3         | 17.3        |        | 15.8           |        | 0             | 0     | -1     | 5        |          |          |
| 84735 JULIACA               | 1528S    | 07009W    | 3827      |           | 645.0        |                | 10.1        |        | 5.4            |        | 0             | 0     | -5     | 2        |          |          |
| 84752 AREQUIPA              | 1620S    | 07134W    | 2539      |           | 753.6        |                | 13.4        |        | 2.6            |        | 0             | T     | -1     | 5        |          |          |
| 84782 TACNA                 | 1803S    | 07016W    | 469       |           | 964.3        | 1016.0         | 13.8        |        | 12.6           |        | 2             | 9     | 4      | 5        |          |          |
| <b>CHILE</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>85406 ARICA</b>          | 1821S    | 07020W    | 55        |           | 1011.8       | 1016.3         | 16.1        | .4     | 12.4           | -1.5   | 1             | 1     | 0      | 5        | 137      | 110      |
| 85418 IQUIQUE               | 2032S    | 07011W    | 48        |           | 1010.9       | 1016.7         | 15.6        | .3     | 13.1           | -1     | 0             | 0     | 0      | 3        | 170      | 105      |
| <b>85442 ANTOFAGASTA</b>    | 2326S    | 07027W    | 140       |           | 999.7        | 1016.3         | 13.9        | .2     | 11.7           | -5     | 0             | T     | -1     | 3        | 217      | 100      |
| <b>85469 ISLA DE PASCUA</b> | 2710S    | 10920W    | 69        |           | 1012.8       | 1020.8         | 17.3        |        | 15.0           |        | 18            | 239   |        | 5        | 168      | 95       |



# SURFACE

# AUGUST 2008

| 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>85488 LA SERENA</b>              | 2955S    | 07112W    | 146       |           | 1002.0       | 1018.1         | 11.0        | .1     | 11.2           | .1     | 2             | 54    | 38     | 5        | 176      | 100      |
| 85574 PUDAHUEL                      | 3323S    | 07047W    | 474       |           | 963.5        | 1019.8         | 9.1         |        | 9.2            |        | 6             | 77    |        | 5        | 176      | 105      |
| 85577 QUINTA NORMAL                 | 3326S    | 07041W    | 520       |           | 958.3        | 1020.2         | 9.8         |        | 9.7            |        | 7             | 131   |        | 5        | 160      | 105      |
| <b>85585 JUAN FERNANDEZ</b>         | 3337S    | 07849W    | 30        |           | 1015.3       | 1018.9         | 13.0        |        | 11.4           |        | 16            | 131   |        | 4        | 112      | 95       |
| <b>85629 CURICO</b>                 | 3458S    | 07113W    | 220       |           |              |                |             |        |                |        | 8             | 110   | 12     | 4        | 129      | 100      |
| 85672 CHILLAN                       | 3635S    | 07202W    | 148       |           |              |                |             |        |                |        | 14            | 168   | 33     | 4        | 126      | 80       |
| 85682 CONCEPCION                    | 3646S    | 07304W    | 148       |           | 1018.7       | 1019.5         | 8.9         | -2     | 9.5            | -4     | 19            | 238   | 85     | 5        | 137      | 85       |
| <b>85743 TEMUCO</b>                 | 3846S    | 07238W    | 93        |           | 1006.7       | 1018.1         | 7.8         | .1     | 9.0            | .0     | 20            | 293   | 159    | 5        | 91       | 75       |
| 85766 VALDIVIA                      | 3938S    | 07305W    | 19        |           |              |                |             |        |                |        | 26            | 523   | 276    | 5        | 65       | 60       |
| <b>85799 PUERTO MONTT</b>           | 4126S    | 07306W    | 90        |           | 1004.3       | 1015.5         | 6.7         | -1     | 9.0            | .3     | 24            | 233   | 25     | 4        | 72       | 75       |
| 85864 COYHAIQUE                     | 4536S    | 07206W    | 311       |           | 972.2        | 1010.1         | 2.8         | -1.0   | 5.9            | -5     | 17            | 87    | -37    | 2        | 115      | 90       |
| <b>85874 BALMACEDA</b>              | 4555S    | 07142W    | 522       |           | 946.7        | 1010.4         | .6          | -1.3   | 5.1            | -4     | 13            | 47    | -25    | 2        | 170      | 110      |
| <b>85934 PUNTA ARENAS</b>           | 5300S    | 07051W    | 43        |           | 996.6        | 1001.8         | 1.0         | -1.0   | 5.4            | -4     | 11            | 82    | 52     | 5        | 106      | 90       |
| <b>PARAGUAY</b>                     |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 86011 ADRIAN JARA                   | 1932S    | 05922W    | 150       |           | 995.6        | 1013.0         | 24.3        |        | 17.5           |        | 3             | 19    |        | 3        |          |          |
| 86065 PRAT GILL                     | 2242S    | 06130W    | 220       |           | 988.8        | 1014.5         | 20.2        |        | 18.0           |        | 0             | 0     |        | 0        |          |          |
| 86068 MARISCAL ESTIGARRIBIA         | 2201S    | 06036W    | 167       |           | 992.4        | 1010.6         | 22.1        | .8     | 15.5           | 2.0    | 0             | 0     | -21    | 0        |          |          |
| 86086 LA VICTORIA                   | 2217S    | 05756W    | 88        |           | 1003.8       | 1013.7         | 22.0        | .6     | 18.4           | 2.0    | 8             | 50    | 6      | 4        |          |          |
| 86097 PEDRO JUAN CABALLERO          | 2335S    | 05544W    | 652       |           | 951.1        | 1013.0         | 20.8        |        | 15.8           |        | 7             | 116   |        | 5        |          |          |
| 86128 POZO COLORADO                 | 2327S    | 05852W    | 99        |           | 996.3        | 1007.8         | 21.1        |        | 16.9           |        | 3             | 36    |        | 4        |          |          |
| 86134 CONCEPCION                    | 2325S    | 05718W    | 74        |           | 1004.0       | 1013.4         | 20.8        | .8     | 18.0           | 2.1    | 5             | 44    | -11    | 3        |          |          |
| 86210 SALTOS DEL GUAIRA             | 2403S    | 05419W    | 265       |           | 978.1        | 1012.9         | 20.0        |        | 17.4           |        | 12            | 214   |        | 5        |          |          |
| 86218 ASUNCION/AEROPUERTO           | 2515S    | 05731W    | 101       |           | 1005.1       | 1014.7         | 19.4        | .8     | 16.3           | 1.5    | 2             | 21    | -56    | 1        |          |          |
| 86233 VILLARRICA                    | 2546S    | 05626W    | 161       |           |              | 1012.9         | 18.6        | .4     | 16.8           | 1.9    | 8             | 66    | -38    | 3        |          |          |
| 86246 AEROPUERTO INT. GUARANI       | 2521S    | 05427W    | 236       |           | 986.6        | 1014.6         | 19.5        |        | 18.0           |        | 8             | 60    |        | 3        |          |          |
| 86255 PILAR                         | 2651S    | 05819W    | 59        |           | 1008.0       | 1014.4         | 16.9        | -6     | 14.2           | -5     | 2             | 35    | -12    | 2        |          |          |
| 86260 SAN JUAN BAUTISTA MISIONES    | 2640S    | 05709W    | 126       |           | 998.0        | 1012.8         | 18.0        | 1.1    | 16.3           | 2.5    | 3             | 35    | -49    | 1        |          |          |
| 86297 ENCARNACION                   | 2720S    | 05550W    | 91        |           | 1002.7       | 1013.6         | 17.5        | .9     | 16.4           | 2.1    | 9             | 82    | -34    | 2        |          |          |
| <b>URUGUAY</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>86330 ARTIGAS</b>                | 3023S    | 05630W    | 123       |           | 1001.5       | 1016.1         | 13.4        | -1.0   | 11.7           | .2     | 8             | 84    | -3     | 3        | 216      | 117      |
| 86350 RIVERA                        | 3053S    | 05532W    | 242       |           | 988.1        | 1016.6         | 12.8        |        | 11.6           |        | 8             | 137   |        | 4        | 211      | 130      |
| 86360 SALTO                         | 3123S    | 05757W    | 33        |           | 1011.2       | 1016.3         | 13.3        | .1     | 10.9           | -3     | 3             | 37    | -33    | 2        | 231      | 131      |
| 86430 PAYSANDU                      | 3220S    | 05802W    | 61        |           | 1010.0       | 1017.4         | 13.1        |        | 12.3           |        | 3             | 86    |        | 4        | 240      | 120      |
| <b>86440 MELO</b>                   | 3222S    | 05611W    | 100       |           | 1004.1       | 1016.4         | 12.1        | -3     | 11.4           | -1     | 7             | 193   | 81     | 5        | 222      | 135      |
| 86560 COLONIA                       | 3427S    | 05750W    | 22        |           | 1013.4       | 1017.1         | 12.2        | .0     | 10.2           | -9     | 4             | 20    | -56    | 2        |          |          |
| <b>86565 ROCHA</b>                  | 3429S    | 05418W    | 18        |           | 1014.5       | 1016.9         | 11.6        | .2     | 10.8           | -8     | 7             | 92    | -19    | 2        | 200      | 125      |
| <b>ARGENTINA</b>                    |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>87007 LA QUIACA OBSERVATORIO</b> | 2206S    | 06536W    | 3462      |           | 673.0        | 3136 Z         | 5.9         | -1     | 1.7            | -1.3   | 0             | 0     | -1     | 1        | 299      |          |
| 87016 ORAN AERO                     | 2309S    | 06419W    | 357       |           | 973.0        | 1012.0         | 17.3        | .4     | 12.6           | -3     | 1             | 5     | -1     | 4        | 202      | 117      |
| 87022 TARTAGAL AERO                 | 2239S    | 06349W    | 450       |           | 961.8        | 1013.1         | 17.7        |        | 11.4           |        | 01            | 1     |        |          | 200      |          |
| 87046 JUJUY AERO                    | 2423S    | 06505W    | 921       |           | 911.2        | 1490 Y         | 14.9        |        | 9.4            |        | 0             | T     |        | 3        | 243      | 110      |

# SURFACE

# AUGUST 2008

| 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>87047 SALTA AERO</b>                | 2451S    | 06529W    | 1238      |           | 879.1        | 1503 Y         | 12.6        | .3     | 8.3            | -2     | 0             | T     | -4     | 1        | 248      | 127      |
| 87097 IGUAZU AERO                      | 2544S    | 05428W    | 270       |           | 983.3        | 1014.6         | 19.0        |        | 18.2           |        | 6             | 96    |        | 2        | 182      |          |
| 87121 TUCUMAN AERO                     | 2651S    | 06506W    | 450       |           | 961.9        | 1013.7         | 15.4        |        | 11.7           |        | 1             | 5     |        |          | 238      |          |
| <b>87129 SANTIAGO DEL ESTERO AERO.</b> | 2746S    | 06418W    | 199       |           | 991.4        | 1014.8         | 15.0        | .0     | 8.0            | -1.6   | 0             | 0     | -4     | 1        | 280      | 80       |
| 87148 PRESIDENCIA ROQUE SAENZ PENA     | 2644S    | 06029W    | 93        |           | 1002.6       | 1013.5         | 17.6        |        | 10.6           |        | 2             | 18    |        | 3        | 262      |          |
| 87155 RESISTENCIA AERO                 | 2727S    | 05903W    | 53        |           | 1008.6       | 1014.8         | 17.1        |        | 12.7           |        | 3             | 33    |        | 2        | 203      | 125      |
| 87162 FORMOSA AERO                     | 2612S    | 05814W    | 60        |           | 1006.9       | 1014.0         | 18.4        | .7     | 14.6           | -5     | 3             | 18    | -42    | 1        | 205      | 115      |
| 87178 POSADAS AERO.                    | 2722S    | 05558W    | 131       |           | 999.9        | 1014.6         | 17.9        | .6     | 14.9           | .1     | 5             | 68    | -43    | 2        | 172      | 114      |
| <b>87217 LA RIOJA AERO.</b>            | 2923S    | 06649W    | 438       |           | 963.1        | 1013.2         | 15.1        | 1.1    | 7.1            | -1.3   | 1             | 2     | -3     | 4        | 259      | 109      |
| 87222 CATAMARCA AERO.                  | 2836S    | 06546W    | 454       |           | 959.0        | 1011.0         | 16.7        |        | 7.3            |        | 0             | 0     |        | 3        | 240      |          |
| 87244 VILLA DE MARIA DEL RIO SECO      | 2954S    | 06341W    | 341       |           | 976.4        |                | 13.8        | .5     | 11.4           | 1.8    | 1             | 3     | -11    | 3        |          |          |
| <b>87257 CERES AERO</b>                | 2953S    | 06157W    | 88        |           | 1005.1       | 1015.5         | 14.8        | 1.0    | 8.7            | -2.7   | 0             | T     | -23    | 1        | 259      | 129      |
| 87270 RECONQUISTA AERO                 | 2911S    | 05942W    | 53        |           | 1009.6       | 1015.9         | 15.3        | .4     | 10.9           | -2.8   | 3             | 45    | 13     | 4        | 250      | 124      |
| 87289 PASO DE LOS LIBRES AERO          | 2941S    | 05709W    | 70        |           | 1007.4       | 1015.8         | 14.7        | -4     | 13.1           | -3     | 7             | 95    | 11     | 3        | 217      | 144      |
| <b>87305 JACHAL</b>                    | 3015S    | 06845W    | 1175      |           | 882.1        | 1490 Y         | 12.0        |        | 5.7            |        | 0             | 0     |        | 1        | 328      |          |
| 87311 SAN JUAN AERO                    | 3124S    | 06825W    | 598       |           | 945.3        | 1014.8         | 11.2        |        | 5.1            |        | 0             | 0     |        | 1        | 260      | 105      |
| 87320 CHAMICAL AERO                    | 3022S    | 06617W    | 467       |           | 960.5        | 1013.8         | 14.6        | .5     | 6.8            | -1.2   | 0             | 0     | -4     | 1        | 256      |          |
| 87328 VILLA DOLORES AERO               | 3157S    | 06508W    | 569       |           | 946.3        | 1014.5         | 12.9        | .1     | 6.8            | -5     | 1             | 3     | -5     | 3        | 266      | 115      |
| <b>87344 CORDOBA AERO</b>              | 3119S    | 06413W    | 484       |           | 960.0        | 1015.1         | 13.0        | .7     | 6.0            | -2.4   | 1             | 5     | -6     | 3        | 259      | 127      |
| 87349 PILAR OBSERVATORIO               | 3140S    | 06353W    | 338       |           | 976.2        | 1016.1         | 11.8        | -2     | 6.4            | -2.0   | 0             | T     | -9     | 1        | 256      | 120      |
| <b>87374 PARANA AERO</b>               | 3147S    | 06029W    | 78        |           | 1007.3       | 1016.6         | 13.4        | .8     | 8.7            | -2.3   | 0             | T     | -35    | 1        | 240      | 119      |
| 87393 MONTE CASEROS AERO               | 3016S    | 05739W    | 54        |           | 1010.1       | 1016.5         | 14.6        | .0     | 12.5           | -3     | 5             | 73    | 4      | 3        | 222      | 124      |
| 87395 CONCORDIA AERO                   | 3118S    | 05801W    | 38        |           | 1011.6       | 1016.1         | 13.7        | .0     | 11.1           | -1.1   | 3             | 52    | -21    | 2        | 208      |          |
| <b>87418 MENDOZA AERO</b>              | 3250S    | 06847W    | 705       |           | 933.3        | 1014.5         | 10.6        | .4     | 7.2            | .8     | 2             | 17    | 14     | 5        | 243      | 106      |
| 87436 SAN LUIS AERO                    | 3316S    | 06621W    | 713       |           |              | 1014.0         | 12.3        | .7     | 5.8            | -1.0   | 1             | 2     | -6     | 3        | 257      | 108      |
| 87448 VILLA REYNOLDS AERO              | 3344S    | 06523W    | 486       |           | 956.8        | 1016.0         | 9.5         | -4     | 6.5            | -9     | 2             | 18    | 3      | 4        | 210      | 104      |
| 87453 RIO CUARTO AERO                  | 3307S    | 06414W    | 421       |           | 965.7        | 1015.5         | 11.4        | .4     | 5.9            | -1.9   | 1             | 5     | -10    | 2        | 205      |          |
| 87467 MARCOS JUAREZ AERO               | 3242S    | 06209W    | 114       |           | 1002.6       | 1016.4         | 11.0        | -2     | 7.1            | -3.0   | 0             | 0     | -20    | 0        | 231      | 124      |
| 87480 ROSARIO AERO                     | 3255S    | 06047W    | 25        |           | 1013.1       | 1016.1         | 12.2        | .7     | 8.5            | -2.0   | 1             | 3     | -33    | 1        | 221      | 117      |
| 87497 GUALEGUAYCHU AERO                | 3300S    | 05837W    | 23        |           | 1016.6       |                | 12.4        | .3     | 9.5            | -1.6   | 2             | 12    | -44    | 1        | 195      | 121      |
| 87506 MALARGUE AERO                    | 3530S    | 06935W    | 1426      |           | 855.9        | 1481 Y         | 6.1         | .7     | 4.0            | -1.3   | 2             | 39    | 23     | 5        | 236      |          |
| 87509 SAN RAFAEL AERO                  | 3435S    | 06824W    | 748       |           | 928.4        | 1015.0         | 9.3         | .0     | 5.7            | -5     | 2             | 8     | -5     | 3        | 198      | 97       |
| 87532 GENERAL PICO AERO                | 3542S    | 06345W    | 145       |           | 998.2        | 1016.3         | 11.5        | 1.4    | 6.0            | -2.4   | 1             | 12    | -10    | 3        | 150      | 95       |
| <b>87534 LABOULAYE AERO</b>            | 3408S    | 06322W    | 137       |           | 999.5        | 1016.1         | 9.5         | -9     | 6.1            | -2.4   | 0             | 0     | -19    | 1        | 224      | 111      |
| 87544 PEHUAJO AERO                     | 3552S    | 06154W    | 87        |           | 1005.9       | 1016.5         | 9.7         | .1     | 7.8            | -1.5   | 2             | 14    | -15    | 2        | 212      |          |
| 87548 JUNIN AERO                       | 3433S    | 06055W    | 82        |           | 1006.6       | 1016.5         | 9.8         | -4     | 7.2            | -2.4   | 1             | 3     | -31    | 1        | 214      | 115      |
| 87576 EZEIZA AERO                      | 3449S    | 05832W    | 20        |           | 1014.8       | 1017.2         | 11.0        | .3     | 9.1            | -9     | 3             | 16    | -42    | 1        | 156      | 115      |
| 87623 SANTA ROSA AERO                  | 3634S    | 06416W    | 191       |           | 992.6        | 1015.5         | 9.6         | .3     | 5.8            | -2.1   | 3             | 13    | -10    | 3        | 196      | 109      |
| 87640 BOLIVAR AERO                     | 3612S    | 06104W    | 94        |           | 1005.5       | 1017.0         | 9.5         |        | 7.3            |        | 2             | 21    |        |          | 200      |          |
| 87641 AZUL AERO                        | 3650S    | 05953W    | 147       |           | 999.3        | 1017.3         | 7.6         |        | 7.0            |        | 4             | 54    |        | 4        | 202      |          |
| 87645 TANDIL AERO                      | 3714S    | 05915W    | 175       |           | 995.5        | 1016.8         | 7.1         |        | 7.0            |        | 6             | 47    |        | 4        | 182      | 105      |
| 87648 DOLORES AERO                     | 3621S    | 05744W    | 10        |           | 1015.9       | 1017.1         | 9.1         | -3     | 9.0            | -8     | 6             | 64    | 10     | 4        | 151      | 96       |
| 87688 TRES ARROYOS                     | 3820S    | 06015W    | 115       |           | 1001.8       | 1016.0         | 8.5         |        | 6.5            |        | 5             | 21    |        | 2        | 149      | 85       |
| <b>87692 MAR DEL PLATA AERO</b>        | 3756S    | 05735W    | 21        |           | 1014.1       | 1016.8         | 8.1         | -8     | 7.9            | -1.4   | 7             | 82    | 18     | 4        | 126      | 97       |
| <b>87715 NEUQUEN AERO</b>              | 3857S    | 06808W    | 271       |           | 982.7        | 1015.2         | 8.5         | .5     | 5.8            | -1     | 1             | 6     | -5     | 3        | 203      | 109      |
| <b>87750 BAHIA BLANCA AERO</b>         | 3844S    | 06210W    | 83        |           | 1004.9       | 1015.0         | 9.4         | .3     | 6.4            | -1.3   | 3             | 13    | -14    | 3        | 196      | 115      |

# SURFACE

# AUGUST 2008

| 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. |
| 87765 BARILOCHE AERO                     | 4109S    | 07110W    | 845       |           | 917.1        | 1448 Y         | 2.5         | -.5    | 5.8            | -.4    | 21            | 260   | 145    | 5        | 123      | 79       |
| 87784 SAN ANTONIO OESTE AERO             | 4047S    | 06506W    | 20        |           | 1011.2       | 1013.8         | 8.5         | -1.3   | 5.3            | -1.8   | 3             | 7     | -12    | 1        | 194      |          |
| 87791 VIEDMA AERO                        | 4051S    | 06301W    | 7         |           | 1012.4       | 1013.3         | 8.5         |        | 6.1            |        | 2             | 10    |        | 2        | 221      | 120      |
| <b>87803 ESQUEL AERO</b>                 | 4256S    | 07109W    | 799       |           | 918.4        | 1011.9         | 2.2         | -.9    | 5.6            | -.2    | 14            | 52    | -5     | 3        | 158      | 45       |
| <b>87828 TRELEW AERO</b>                 | 4312S    | 06516W    | 43        |           | 1005.6       | 1010.9         | 7.1         | -.7    | 5.6            | -.2    | 2             | 7     | -6     | 2        | 189      | 109      |
| 87852 PERITO MORENO AERO                 | 4631S    | 07101W    | 429       |           | 956.8        | 1009.2         | 2.6         |        | 5.4            |        | 5             | 14    |        |          | 173      | 55       |
| <b>87860 COMODORO RIVADAVIA AERO</b>     | 4547S    | 06730W    | 58        |           | 1002.7       | 1008.4         | 6.8         | -.9    | 5.3            | -.4    | 3             | 13    | -12    | 3        | 193      | 142      |
| 87896 PUERTO DESEADO AERO                | 4744S    | 06555W    | 81        |           | 997.2        | 1007.0         | 3.2         | -1.9   | 6.0            | -.3    | 3             | 12    | -3     | 3        | 118      |          |
| 87904 EL CALAFATE AERO                   | 5016S    | 07203W    | 204       |           |              |                | .7          |        | 4.9            |        | 2             | 19    |        |          | 156      |          |
| 87909 SAN JULIAN AERO                    | 4919S    | 06745W    | 62        |           | 998.2        | 1005.9         | 2.6         |        | 5.7            |        | 3             | 12    |        | 3        | 133      |          |
| <b>87925 RIO GALLEGOS AERO</b>           | 5137S    | 06917W    | 20        |           | 1000.7       | 1003.1         | .7          | -2.3   | 5.1            | -.6    | 6             | 40    | 29     | 6        | 149      |          |
| 87938 USHUAIA AERO                       | 5448S    | 06819W    | 57        |           | 991.8        | 998.6          | 1.6         | -.6    | 5.3            | -.5    | 14            | 58    | 13     | 1        | 92       | 115      |
| <b>ISLANDS</b>                           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 88903 GRØYTVIKEN,                        | 5416S    | 03630W    | 3         |           | 999.7        | 999.9          | -1.1        |        | 4.1            |        |               |       |        |          | 56       |          |
| <b>ANTARCTICA</b>                        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>ARGENTINA (ANTARCTIC)</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>88963 BASE ESPERANZA</b>              | 6324S    | 05659W    | 24        |           | 985.9        | 988.8          | -7.6        | 2.9    | 3.2            |        | 4             | 22    | -50    | 1        | 98       |          |
| <b>88968 BASE ORCADAS</b>                | 6044S    | 04444W    | 8         |           | 993.8        | 995.3          | -6.9        | 1.7    | 3.7            |        | 4             | 13    | -38    | 1        | 32       | 25       |
| 89034 BASE BELGRANO II                   | 7752S    | 03437W    | 256       |           | 954.6        | 983.0          | -18.3       |        | .7             |        | 1             | 4     |        |          | 8        |          |
| 89053 BASE JUBANY                        | 6214S    | 05838W    | 11        |           | 990.2        | 991.8          | -4.4        |        | 3.8            |        | 6             | 20    |        |          | 36       |          |
| 89055 BASE MARAMBIO (CENTRO MET. A)      | 6414S    | 05643W    | 208       |           | 962.0        | 987.2          | -9.8        |        | 2.6            |        | 3             | 5     |        |          | 93       |          |
| 89066 BASE SAN MARTIN                    | 6807S    | 06708W    | 7         |           |              | 988.2          | -12.6       |        | 2.1            |        | 9             | 74    |        |          | 81       |          |
| <b>AUSTRALIA (ANTARCTIC)</b>             |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89564 MAWSON</b>                      | 6736S    | 06252E    | 16        |           | 983.5        | 985.6          | -21.5       |        | .6             |        |               |       |        |          | 118      |          |
| <b>89571 DAVIS</b>                       | 6835S    | 07758E    | 23        |           | 978.7        | 981.7          | -22.5       |        | .8             |        | 1             | 1     | -3     | 2        | 83       |          |
| <b>89611 CASEY</b>                       | 6617S    | 11030E    | 42        |           | 973.1        | 978.5          | -13.4       |        | 2.0            |        | 9             | 51    |        |          | 14       |          |
| <b>CHILE (ANTARCTIC)</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89056 CENTRO MET. ANTARTICO PDTE.</b> | 6211S    | 05859W    | 48        |           | 985.9        | 990.7          | -5.1        |        | 3.6            | .5     | 12            | 28    |        | 1        | 38       |          |
| 89059 BASE BERNARDO O'HIGGINS            | 6319S    | 05641W    | 10        |           | 986.9        | 988.1          | -6.7        | 1.7    | 3.2            | .6     | 13            | 54    | -13    | 3        | 52       |          |
| <b>CHINA (ANTARCTIC)</b>                 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 89058 GREAT WALL                         | 6213S    | 05858W    | 10        |           | 990.4        | 991.9          | -5.2        |        | 3.7            |        | 4             | 14    |        |          | 33       |          |
| <b>FRANCE (ANTARCTIC)</b>                |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>89642 DUMONT D'URVILLE</b>            | 6639S    | 14000E    | 43        |           | 983.3        | 988.9          | -14.4       |        | 1.6            |        |               |       |        |          | 48       |          |

# SURFACE

# AUGUST 2008

| 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>GERMANY (ANTARCTIC)</b><br>89002 NEUMAYER  | 7040S  | 00815W   | 50                            |           | 980.7  | 986.0  | -27.1  |                                  | .7   |  |                                  |  |                                       |                            | 50            |          |
| <b>JAPAN (ANTARCTIC)</b><br>89532 SYOWA   | 6900S  | 03935E   | 21                            |           | 981.7  | 984.6  | -22.1  | -2.4                             | .9   | -1                                     |                                  |  |                                       |                            | 69            |          |
| <b>UKRAINE (ANTARCTIC)</b><br>89063 VERNADSKY   | 6515S  | 06416W   | 11                            |           | 987.3  | 988.5  | -7.9   |                                  |  |  | 8                                | 26                                     |                                       |                            |               |          |
| <b>UNITED KINGDOM (ANTARCTIC)</b><br>89022 HALLEY<br>89062 ROTHERA<br>89065 FOSSIL BLUFF  | 7535S<br>6734S<br>7120S                            | 02639W<br>06808W<br>06817W                               | 35<br>33<br>69                |           | 977.9<br>982.2<br>975.2                                  | 981.7<br>986.4<br>983.9                                  | -24.9<br>-10.8<br>-18.1                      |                                  | .8<br>2.4<br>1.5                             |  |                                  |  |                                       |                            | 27            |          |
| <b>URUGUAY (ANTARCTIC)</b><br>89054 DINAMET-URUGUAY   | 6211S  | 05851W   | 17                            |           | 989.5  | 991.8  | -5.0   |                                  | 4.1  |  | 11                               | 23                                     |                                       |                            | 22            |          |
| <b>ANTARCTICA</b><br>89050 BELLINGSHAUSEN AWS<br>89512 NOVOLAZAREVSKAJA<br>89592 MIRNYJ<br>89606 VOSTOK   | 6212S<br>7046S<br>6633S<br>7827S                   | 05856W<br>01150E<br>09301E<br>10650E                     | 16<br>119<br>40<br>3488       |           | 988.9<br>969.4<br>973.0<br>614.3                         | 990.8<br>985.0<br>978.8                                  | -5.1<br>-20.1<br>-19.1<br>-69.9              |                                  | 3.8<br>.5<br>1.3<br>.0                       |  | 10<br>5<br>8<br>1                | 27<br>22<br>29<br>2                    |                                       | 1                          | 40<br>73<br>0 |          |
| <b>SW PACIFIC</b>   |  |  |                               |           |  |  |  |                                  |  |  |                                  |  |                                       |                            |               |          |
| <b>MALAYSIA (PENIN. MALAYSIA)</b><br>48601 PENANG/BAYAN LEPAS<br>48615 KOTA BHARU<br>48647 KUALA LUMPUR/SUBANG<br>48657 KUANTAN<br>48665 MALACCA<br>48674 MERSING | 0518N<br>0610N<br>0307N<br>0347N<br>0216N<br>0227N | 10010E<br>10210E<br>10130E<br>10310E<br>10210E<br>10350E | 4<br>5<br>27<br>16<br>9<br>45 |           | 1008.8<br>1008.6<br>1006.9<br>1007.5<br>1008.4<br>1004.4 | 1009.2<br>1009.2<br>1009.4<br>1009.3<br>1009.4<br>1009.3 | 27.5<br>27.3<br>27.4<br>27.2<br>27.3<br>26.0 | .7<br>.4<br>.8<br>.9<br>.9<br>.2 | 30.2<br>28.2<br>27.1<br>30.1<br>28.9<br>29.4 | .3<br>-1.1<br>-1.5<br>1.0<br>-.7<br>.5 | 15<br>10<br>12<br>16<br>11<br>18 | 230<br>144<br>194<br>309<br>264<br>123 | -12<br>-28<br>49<br>136<br>100<br>-51 | 3<br>2<br>4<br>5<br>5<br>0 |               |          |
| <b>SINGAPORE</b><br>48698 SINGAPORE/CHANGI AIRPORT  | 0122N  | 10350E   | 16                            |           | 1007.8   | 1009.6   | 27.5   | .5                               | 30.6   | .9                                     | 14                               | 327                                    | 184                                   | 6                          | 171           | 95       |
| <b>USA (PACIFIC OCEAN NORTH)</b>  |  |  |                               |           |  |  |  |                                  |  |  |                                  |  |                                       |                            |               |          |

# SURFACE

# AUGUST 2008

| 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>91165 LIHUE, KAUAI, HAWAII</b>         | 2159N    | 15920W    | 32        |           |              | 1017.9         | 27.2        | .8     | 22.7           |        | 14            | 29    | -15    | 2        |          |          |
| 91182 HONOLULU, OAHU, HAWAII              | 2121N    | 15750W    | 5         |           |              | 1016.9         | 27.6        | .2     | 21.3           |        | 2             | 10    | -1     | 4        |          |          |
| <b>91212 NWSO AGANA, GUAM, MARIANA IS</b> | 1328N    | 14440E    | 75        |           |              | 1010.4         | 27.4        | -.2    |                |        | 18            | 166   | -182   | 1        |          |          |
| 91285 HILO/GEN. LYMAN, HAWAII, HAW        | 1943N    | 15500W    | 11        |           |              | 1017.2         | 24.5        | -.1    | 21.1           |        | 17            | 95    | -142   | 1        |          |          |
| 91334 CHUUK, ECI                          | 0727N    | 15150E    | 4         |           |              | 1009.9         | 27.9        | .5     | 29.8           |        | 15            | 81    | -268   | 0        |          |          |
| 91348 POHNPEI, CAROLINE IS.               | 0658N    | 15810E    | 38        |           |              | 1010.4         | 27.1        | .1     | 30.3           |        | 6             | 25    | -394   | 0        |          |          |
| 91366 KWAJALEIN/BUCHOLZ AAF, MARSH        | 0844N    | 16740E    | 8         |           |              | 1010.6         | 28.0        | .1     | 31.3           |        | 19            | 160   | -96    | 1        |          |          |
| 91376 MAJURO/MARSHALL IS. INTNL.          | 0705N    | 17120E    | 3         |           |              | 1010.2         | 27.3        | -.1    | 29.5           |        | 19            | 209   | -83    | 1        |          |          |
| 91408 KOROR, PALAU WCI.                   | 0720N    | 13420E    | 30        |           |              | 1010.2         | 27.6        | .1     | 29.7           |        | 19            | 352   | -27    | 3        |          |          |
| 91413 YAP, CAROLINE IS.                   | 0929N    | 13800E    | 16        |           |              | 1010.1         | 27.5        | .4     | 29.8           |        | 20            | 264   | -122   | 2        |          |          |
| <b>NEW CALEDONIA</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91577 KOUMAC (NLLE-CALEDONIE)             | 2034S    | 16417E    | 24        |           |              | 1015.4         | 1017.5      | 20.8   | .7             | 18.4   | 3             | 49    | 6      |          |          |          |
| 91592 NOUMEA (NLLE-CALEDONIE)             | 2217S    | 16627E    | 72        |           |              | 1010.1         | 1018.6      | 20.3   | .6             | 16.8   | 6             | 61    | -9     |          | 196      | 97       |
| <b>FIJI</b>                               |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91650 ROTUMA                              | 1230S    | 17700E    | 26        |           |              |                | 1012.6      | 27.0   |                | 29.3   | 25            | 236   |        | 4        | 214      | 100      |
| 91652 UDU POINT AWS                       | 1608S    | 17950W    | 63        |           |              |                |             | 26.4   |                | 27.3   | 17            | 49    |        | 2        |          |          |
| 91680 NADI AIRPORT                        | 1745S    | 17720E    | 18        |           |              |                | 1014.8      | 24.7   | 1.1            | 24.3   | 1             | 2     | -57    | 1        | 244      | 106      |
| 91683 NAUSORI                             | 1803S    | 17830E    | 7         |           |              |                | 1015.4      | 24.0   |                | 26.5   | 19            | 126   |        | 3        |          |          |
| <b>COOK ISLANDS</b>                       |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91843 RAROTONGA                           | 2112S    | 15940W    | 7         |           |              | 1018.6         | 1019.3      |        |                | 22.1   |               |       |        |          | 192      |          |
| <b>FRENCH POLY. (MARQUESAS IS)</b>        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91925 ATUONA                              | 0949S    | 13902W    | 53        |           |              | 1007.5         | 1013.6      | 25.3   |                | 25.1   | 14            | 82    | -30    |          | 162      | 75       |
| <b>FRENCH POLY. (SOCIETY IS)</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91929 BORA-BORA                           | 1627S    | 15145W    | 3         |           |              | 1015.8         | 1016.2      | 25.9   |                | 24.0   | 7             | 21    |        |          |          |          |
| 91938 TAHITI-FAAA                         | 1733S    | 14937W    | 2         |           |              | 1016.4         | 1016.6      | 24.8   |                | 20.5   | 1             | 15    | -33    |          | 242      | 96       |
| <b>FRENCH POLY. (TUAMOTU IS)</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91943 TAKAROA                             | 1429S    | 14502W    | 3         |           |              | 1015.0         | 1015.3      | 25.9   |                | 25.9   | 16            | 148   | 81     |          | 228      |          |
| 91945 HEREHERETUE                         | 1954S    | 14557W    | 3         |           |              | 1018.1         | 1019.1      | 24.2   |                | 24.4   |               |       |        |          |          |          |
| 91948 RIKITEA                             | 2308S    | 13458W    | 91        |           |              | 1010.0         | 1020.4      | 21.0   |                | 19.0   | 7             | 67    | -128   |          | 168      | 99       |
| <b>FRENCH POLY. (AUSTRAL IS)</b>          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 91954 TUBUAI                              | 2321S    | 14929W    | 3         |           |              | 1020.1         | 1020.5      | 21.3   |                | 19.8   | 13            | 69    | -79    |          | 113      | 61       |
| 91958 RAPA                                | 2737S    | 14420W    | 2         |           |              | 1021.7         | 1021.9      | 18.1   |                | 15.8   | 9             | 117   |        | 0        | 135      |          |
| <b>NEW ZEALAND</b>                        |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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>93012 KAITAIA</b>                      | 3506S    | 17310E    | 54        |           |              |                | 12.0        |        | 12.1           |        | 20            | 155   | 4      | 2        | 183      | 110      |
| <b>93292 GISBORNE AERODROME AWS</b>       | 3839S    | 17750E    | 5         |           |              | 1010.2         | 10.4        | .3     | 9.7            |        | 12            | 40    | -67    | 3        |          |          |
| <b>93309 NEW PLYMOUTH AWS</b>             | 3901S    | 17410E    | 32        |           |              | 1010.5         | 10.7        |        | 10.8           |        | 18            | 277   |        | 1        |          |          |
| <b>93417 PARAPARAUMU AERODROME</b>        | 4054S    | 17450E    | 12        |           |              | 1009.2         | 9.8         | .5     | 10.0           |        | 19            | 159   | 63     | 4        | 162      | 115      |
| <b>93615 HOKITIKA AERODROME AWS</b>       | 4243S    | 17050E    | 45        |           |              | 1009.0         | 7.8         |        | 9.0            |        | 17            | 228   |        | 3        |          |          |
| <b>93678 KAIKOURA</b>                     | 4225S    | 17340E    | 105       |           |              | 1008.3         | 7.9         |        | 8.0            |        | 7             | 240   |        | 1        |          |          |
| <b>93780 CHRISTCHURCH</b>                 | 4329S    | 17230E    | 38        |           |              | 1008.6         | 6.0         |        | 7.8            |        | 14            | 98    |        | 6        | 150      | 100      |
| <b>93844 INVERCARGILL AERODROME</b>       | 4625S    | 16810E    | 4         |           |              | 1009.1         | 6.0         | -4     | 8.2            |        | 12            | 98    | 36     | 4        | 147      | 120      |
| <b>93947 CAMPBELL ISLAND AWS</b>          | 5233S    | 16900E    | 19        |           |              | 1004.4         | 4.5         |        | 7.1            |        | 24            | 102   |        | 4        |          |          |
| <b>93987 CHATHAM ISLANDS AWS</b>          | 4357S    | 17630W    | 49        |           |              | 1005.2         | 8.4         |        | 9.9            |        | 19            | 121   |        | 4        |          |          |
| <b>93994 RAOUL ISLAND, KERMADEC IS. A</b> | 2915S    | 17750W    | 49        |           |              | 1018.7         | 16.6        |        | 15.0           |        | 16            | 142   |        | 4        |          |          |
| <b>AUSTRALIA</b>                          |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>94120 DARWIN AIRPORT</b>               | 1225S    | 13050E    | 35        |           |              | 1009.6         | 1013.6      |        | 25.1           | 15.8   | 0             | 0     | -7     | 1        | 319      | 101      |
| <b>94131 TINDAL RAAF</b>                  | 1431S    | 13220E    | 135       |           |              | 999.5          | 1015.1      |        | 22.8           | 9.6    | 0             | 0     |        | 5        |          |          |
| <b>94150 GOVE AIRPORT</b>                 | 1217S    | 13640E    | 54        |           |              | 1008.0         | 1014.1      |        | 23.4           | 20.7   | 0             | 0     |        | 1        | 264      | 90       |
| <b>94170 WEIPA AERO</b>                   | 1241S    | 14150E    | 19        |           |              | 1011.6         | 1013.8      |        | 25.2           | 20.0   | 0             | 0     |        |          | 218      |          |
| <b>94203 BROOME AIRPORT</b>               | 1757S    | 12210E    | 17        |           |              | 1014.7         | 1015.7      |        | 22.6           | 9.8    | 0             | 0     | -1     | 1        | 324      |          |
| <b>94212 HALLS CREEK AIRPORT</b>          | 1814S    | 12740E    | 424       |           |              | 968.4          | 1016.8      |        | 20.6           | 5.8    | 1             | 4     | 2      | 5        |          |          |
| <b>94238 TENNANT CREEK MET OFFICE</b>     | 1938S    | 13410E    | 377       |           |              | 975.4          | 1018.7      |        | 19.1           | 4.9    | 0             | 0     | -2     | 1        | 300      | 93       |
| <b>94259 BURKETOWN POST OFFICE</b>        | 1745S    | 13930E    | 8         |           |              | 1016.5         | 1017.3      |        |                | 9.1    | 0             | 0     |        | 4        |          |          |
| <b>94287 CAIRNS AERO</b>                  | 1653S    | 14540E    | 8         |           |              | 1017.0         | 1017.9      |        | 21.3           | 16.8   | 1             | 2     | -20    | 1        | 255      | 103      |
| <b>94294 TOWNSVILLE AERO</b>              | 1915S    | 14640E    | 9         |           |              | 1018.4         | 1019.5      |        | 19.2           | 14.7   | 0             | 0     | -13    | 1        | 286      | 103      |
| <b>94299 WILLIS ISLAND</b>                | 1618S    | 14950E    | 9         |           |              | 1015.6         | 1016.6      |        | 24.1           | 21.3   | 1             | 2     | -28    | 1        |          |          |
| <b>94300 CARNARVON AIRPORT</b>            | 2453S    | 11340E    | 8         |           |              | 1019.5         | 1020.4      |        | 16.8           | 9.7    | 1             | 2     | -16    | 1        |          |          |
| <b>94302 LEARMONTH AIRPORT</b>            | 2214S    | 11400E    | 6         |           |              | 1018.4         | 1019.0      |        | 18.2           | 9.9    | 2             | 4     | -13    | 3        |          |          |
| <b>94312 PORT HEDLAND AIRPORT</b>         | 2022S    | 11830E    | 10        |           |              | 1016.5         | 1017.5      |        | 20.8           | 7.2    | 0             | 0     | -4     | 1        |          |          |
| <b>94313 WITTENOOM</b>                    | 2215S    | 11820E    | 464       |           |              | 965.9          | 1019.1      |        | 5.9            | 5.9    | 1             | 3     |        | 3        |          |          |
| <b>94317 NEWMAN AERO</b>                  | 2325S    | 11940E    | 526       |           |              | 960.1          | 1020.6      |        | 16.0           | 5.3    | 2             | 6     |        | 4        |          |          |
| <b>94326 ALICE SPRINGS AIRPORT</b>        | 2348S    | 13350E    | 547       |           |              | 959.5          | 1023.4      |        | 12.7           | 4.7    | 1             | 2     | -9     | 2        | 303      | 102      |
| <b>94332 MOUNT ISA AERO</b>               | 2041S    | 13920E    | 342       |           |              | 979.5          | 1019.1      |        | 18.9           | 5.0    | 0             | 0     | -4     | 1        | 318      | 100      |
| <b>94339 WINTON POST OFFICE</b>           | 2223S    | 14300E    | 184       |           |              | 998.4          | 1019.9      |        | 17.5           | 11.1   | 0             | 0     |        | 2        |          |          |
| <b>94340 RICHMOND POST OFFICE</b>         | 2044S    | 14300E    | 214       |           |              | 993.7          | 1018.7      |        |                | 9.3    | 0             | 0     |        | 4        |          |          |
| <b>94346 LONGREACH AERO</b>               | 2326S    | 14410E    | 192       |           |              | 997.8          | 1020.5      |        | 16.2           | 6.5    | 0             | 0     | -14    | 1        |          |          |
| <b>94367 MACKAY MO</b>                    | 2107S    | 14910E    | 33        |           |              | 1016.1         | 1020.3      |        | 16.6           | 14.3   | 01            | 1     | -28    | 0        | 285      | 100      |
| <b>94374 ROCKHAMPTON AERO</b>             | 2323S    | 15020E    | 14        |           |              | 1019.0         | 1020.6      |        | 15.7           | 10.5   | 01            | 1     | -28    | 1        |          |          |
| <b>94380 GLADSTONE RADAR</b>              | 2351S    | 15110E    | 75        |           |              | 1012.1         | 1021.0      |        | 16.8           | 11.6   | 1             | 3     |        | 1        |          |          |
| <b>94403 GERALDTON AIRPORT</b>            | 2848S    | 11440E    | 37        |           |              | 1019.5         | 1023.8      |        | 13.4           | 9.5    | 4             | 8     | -58    | 0        |          |          |
| <b>94430 MEEKATHARRA AIRPORT</b>          | 2637S    | 11830E    | 522       |           |              | 962.4          | 1022.9      |        | 14.2           | 5.2    | 2             | 18    | 6      | 4        |          |          |
| <b>94461 GILES METEOROLOGICAL OFFICE</b>  | 2502S    | 12810E    | 599       |           |              | 953.3          | 1022.5      |        | 13.8           | 4.4    | 1             | 16    | 6      | 4        | 298      | 99       |
| <b>94476 OODNADATTA AIRPORT</b>           | 2733S    | 13520E    | 118       |           |              | 1010.9         | 1025.0      |        | 12.9           | 5.9    | 2             | 35    |        | 5        |          |          |
| <b>94480 MARREE</b>                       | 2939S    | 13800E    | 51        |           |              | 1019.4         | 1025.6      |        |                | 7.6    | 3             | 18    |        | 4        |          |          |
| <b>94510 CHARLEVILLE AERO</b>             | 2625S    | 14610E    | 306       |           |              | 986.0          | 1022.0      |        | 12.7           | 6.7    | 1             | 7     | -15    | 2        |          |          |
| <b>94517 ST GEORGE AIRPORT</b>            | 2803S    | 14830E    | 200       |           |              | 997.9          | 1021.6      |        | 11.9           | 8.0    | 01            | 1     |        |          |          |          |
| <b>94568 AMBERLEY AMO</b>                 | 2738S    | 15240E    | 31        |           |              | 1016.9         | 1020.6      |        | 12.7           | 8.4    | 2             | 15    | -31    | 2        |          |          |
| <b>94570 TEWANTIN RSL PARK</b>            | 2623S    | 15300E    | 7         |           |              | 1020.0         | 1020.8      |        | 14.8           | 10.9   | 1             | 7     |        |          |          |          |

# SURFACE

# AUGUST 2008

| 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. |
| 94578 BRISBANE AERO                     | 2723S    | 15300E    | 10        |           | 1019.4       | 1020.5         | 14.4        |        | 9.7            |        | 1             | 9     | -37    | 1        | 274      |          |
| <b>94589 YAMBA PILOT STATION</b>        | 2926S    | 15320E    | 30        |           | 1016.5       | 1019.8         | 14.0        |        | 10.1           |        | 3             | 16    |        | 1        |          |          |
| <b>94601 CAPE LEEUWIN</b>               | 3422S    | 11500E    | 14        |           | 1024.9       | 1026.7         | 14.2        |        | 10.2           |        | 6             | 32    |        | 0        |          |          |
| 94602 ROTTNEST ISLAND                   | 3201S    | 11530E    | 43        |           | 1020.4       | 1025.6         | 14.5        |        | 10.1           |        | 7             | 32    |        | 0        |          |          |
| 94610 PERTH AIRPORT                     | 3156S    | 11550E    | 20        |           | 1023.4       | 1025.9         | 12.5        |        | 8.7            |        | 4             | 18    | -93    | 0        | 264      |          |
| <b>94637 KALGOORLIE-BOULDER AIRPORT</b> | 3047S    | 12120E    | 370       |           | 982.2        | 1026.4         | 11.3        |        | 6.7            |        | 3             | 30    | 10     | 4        |          |          |
| <b>94638 ESPERANCE</b>                  | 3350S    | 12150E    | 27        |           | 1023.9       | 1027.2         | 11.5        |        | 9.3            |        | 10            | 64    | -21    | 2        |          |          |
| 94647 EUCLA                             | 3141S    | 12850E    | 102       |           | 1014.1       | 1026.5         | 11.5        |        | 8.5            |        | 3             | 13    |        | 1        |          |          |
| <b>94653 CEDUNA AMO</b>                 | 3208S    | 13340E    | 24        |           | 1024.0       | 1025.9         | 10.7        |        | 8.7            |        | 12            | 29    | -5     | 3        | 255      | 111      |
| 94659 WOOMERA AERODROME                 | 3109S    | 13640E    | 168       |           | 1004.9       | 1025.2         | 11.4        |        | 6.6            |        | 1             | 2     | -12    | 1        | 283      | 110      |
| 94672 ADELAIDE AIRPORT                  | 3457S    | 13830E    | 8         |           | 1022.8       | 1023.8         | 10.6        |        | 9.5            |        | 18            | 70    | 20     | 5        | 178      | 95       |
| 94681 NURIOOTPA VITICULTURAL            | 3429S    | 13900E    | 276       |           | 990.6        | 1024.0         | 7.7         |        | 8.6            |        | 13            | 49    | -14    | 1        | 167      | 97       |
| <b>94693 MILDURA AIRPORT</b>            | 3414S    | 14200E    | 53        |           | 1016.7       | 1023.1         | 9.8         |        | 8.1            |        | 8             | 33    | 5      | 4        | 206      | 95       |
| <b>94711 COBAR MO</b>                   | 3129S    | 14550E    | 264       |           | 990.7        | 1022.3         | 10.3        |        | 6.3            |        | 2             | 13    | -19    | 1        | 219      | 90       |
| 94750 NOWRA RAN AIR STATION AWS         | 3457S    | 15030E    | 122       |           | 1006.1       | 1018.7         | 10.3        |        | 8.1            |        | 8             | 60    | -21    | 1        |          |          |
| 94767 SYDNEY AIRPORT AMO                | 3356S    | 15110E    | 6         |           | 1018.8       | 1019.4         | 12.2        |        | 8.5            |        | 7             | 46    | -44    | 3        | 232      | 96       |
| 94776 WILLIAMTOWN RAAF                  | 3248S    | 15150E    | 10        |           | 1018.4       | 1019.5         | 10.8        |        | 8.6            |        | 5             | 34    | -36    | 2        | 247      | 108      |
| 94791 COFFS HARBOUR MO                  | 3019S    | 15300E    | 6         |           | 1018.8       | 1019.6         | 12.4        |        | 9.2            |        | 5             | 21    | -45    | 2        | 268      | 107      |
| <b>94802 ALBANY AIRPORT</b>             | 3456S    | 11740E    | 71        |           | 1018.4       | 1026.9         | 10.8        |        | 9.5            |        | 14            | 64    | -40    | 1        | 214      |          |
| 94812 ROBE                              | 3710S    | 13940E    | 4         |           | 1021.6       | 1022.1         |             |        | 10.2           |        | 21            | 118   |        | 5        |          |          |
| 94814 STRATHALBYN RACECOURSE            | 3517S    | 13850E    | 58        |           | 1016.0       | 1023.1         | 9.8         |        | 9.1            |        | 15            | 101   |        | 6        |          |          |
| <b>94821 MOUNT GAMBIER AERO</b>         | 3744S    | 14040E    | 69        |           | 1012.8       | 1021.2         | 8.5         |        | 9.3            |        | 17            | 111   | 21     | 4        | 162      | 105      |
| 94826 CAPE NELSON LIGHTHOUSE            | 3826S    | 14130E    | 47        |           | 1014.5       | 1020.2         | 10.4        |        | 10.2           |        | 22            | 130   |        | 4        |          |          |
| <b>94842 CAPE OTWAY LIGHTHOUSE</b>      | 3851S    | 14330E    | 83        |           | 1009.4       | 1019.5         | 9.9         |        | 9.4            |        | 18            | 127   |        | 4        |          |          |
| 94865 LAVERTON RAAF                     | 3752S    | 14440E    | 20        |           | 1017.8       | 1020.3         | 9.2         |        | 9.0            |        | 7             | 40    | -10    | 2        |          |          |
| 94866 MELBOURNE AIRPORT                 | 3740S    | 14450E    | 132       |           | 1006.2       | 1020.7         | 8.8         |        | 8.3            |        | 9             | 46    | -5     | 3        | 146      |          |
| 94893 WILSONS PROMONTORY LIGHTHOUS      | 3907S    | 14620E    | 97        |           | 1005.8       | 1017.5         | 10.2        |        | 9.7            |        | 17            | 111   |        | 3        |          |          |
| <b>94907 EAST SALE AIRPORT</b>          | 3806S    | 14700E    | 8         |           | 1018.2       | 1019.2         | 8.8         |        | 8.8            |        | 10            | 45    | -4     | 3        | 173      | 102      |
| <b>94910 WAGGA WAGGA AMO</b>            | 3510S    | 14720E    | 221       |           | 995.3        | 1021.3         | 7.6         |        | 7.9            |        | 7             | 25    | -33    | 1        | 189      | 105      |
| 94926 CANBERRA AIRPORT                  | 3518S    | 14910E    | 580       |           | 951.4        | 1020.4         | 6.2         |        | 6.5            |        | 4             | 17    | -34    | 1        | 215      | 107      |
| <b>94937 MORUYA HEADS PILOT STATION</b> | 3555S    | 15000E    | 17        |           | 1015.9       | 1017.9         |             |        | 9.0            |        | 3             | 142   |        | 5        |          |          |
| 94954 CAPE GRIM BAPS                    | 4040S    | 14440E    | 94        |           | 1006.5       | 1017.7         | 9.5         |        | 9.5            |        | 19            | 121   |        | 4        |          |          |
| <b>94967 CAPE BRUNY LIGHTHOUSE</b>      | 4330S    | 14700E    | 55        |           | 1008.1       | 1014.9         | 8.9         |        | 8.9            |        | 16            | 102   |        | 4        |          |          |
| 94968 LAUNCESTON AIRPORT COMPARISO      | 4132S    | 14710E    | 178       |           |              |                | 6.7         |        |                |        | 4             | 12    | -66    | 0        |          |          |
| 94975 HOBART AIRPORT                    | 4250S    | 14730E    | 27        |           | 1012.3       | 1015.7         | 8.3         |        | 7.5            |        | 8             | 26    | -21    | 1        | 199      | 119      |
| 94983 EDDYSTONE POINT                   | 4100S    | 14820E    | 21        |           | 1014.2       | 1016.7         | 9.7         |        | 9.3            |        | 9             | 39    |        | 1        |          |          |
| 95322 RABBIT FLAT                       | 2011S    | 13000E    | 340       |           | 979.8        | 1019.1         | 17.6        |        | 5.6            |        | 01            | 1     |        |          | 279      |          |
| 95527 MOREE AERO                        | 2929S    | 14950E    | 218       |           | 995.5        | 1021.7         | 10.4        |        | 6.9            |        | 1             | 2     |        |          | 288      | 110      |
| <b>95646 FORREST</b>                    | 3050S    | 12800E    | 160       |           | 1007.6       | 1026.9         | 11.1        |        | 7.0            |        | 0             | 0     |        |          |          |          |
| 95670 RAYVILLE PARK                     | 3347S    | 13810E    | 109       |           | 1011.1       | 1024.3         | 8.3         |        | 8.9            |        | 11            | 44    |        | 4        |          |          |
| 95719 DUBBO AIRPORT AWS                 | 3213S    | 14830E    | 285       |           | 987.6        | 1021.9         | 8.4         |        | 7.4            |        | 4             | 34    |        |          |          |          |
| <b>95753 RICHMOND RAAF</b>              | 3336S    | 15040E    | 21        |           | 1017.3       | 1019.8         | 9.4         |        | 7.8            |        | 4             | 28    |        |          |          |          |
| 95869 DENILQUIN AIRPORT AWS             | 3534S    | 14450E    | 96        |           | 1010.0       | 1021.5         | 8.6         |        | 8.1            |        | 6             | 19    |        | 1        |          |          |
| 95916 CABRAMURRA SMHEA                  | 3556S    | 14820E    | 1483      |           |              |                | .1          |        | 5.3            |        | 11            | 92    |        |          |          |          |
| 95964 LOW HEAD                          | 4103S    | 14640E    | 4         |           | 1016.4       | 1016.8         | 9.6         |        | 9.3            |        | 9             | 64    |        |          |          |          |
| 95971 GROVE RESEARCH STATION            | 4259S    | 14700E    | 63        |           |              |                |             |        | 8.4            |        | 9             | 65    |        | 3        | 148      | 110      |

# SURFACE

# AUGUST 2008

| 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>AUSTRALIA (ADDITIONAL IS.)</b>  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 94995 LORD HOWE ISLAND AERO        | 3132S    | 15900E    | 7         |           | 1016.6       | 1017.4         | 15.8        |        | 11.8           |        | 23            | 137   |        |          |          |          |
| 94996 NORFOLK ISLAND AERO          | 2902S    | 16750E    | 117       |           | 1004.3       | 1018.1         | 15.7        |        | 12.4           |        | 11            | 94    | -21    |          | 220      | 111      |
| 94998 MACQUARIE ISLAND             | 5430S    | 15850E    | 8         |           | 1001.0       | 1002.0         | 3.4         |        | 6.8            |        | 20            | 102   | 40     |          | 38       | 88       |
| <b>INDONESIA</b>                   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 96001 SABANG/CUT BAU               | 0552N    | 09519E    | 126       |           | 995.3        | 1010.1         | 26.8        |        | 26.8           |        |               |       |        |          |          |          |
| 96073 SIBOLGA/PINANGSORI           | 0133N    | 09853E    | 3         |           | 1008.4       | 1009.1         | 26.1        |        | 27.4           |        | 16            | 384   |        | 3        | 110      | 80       |
| 96109 PEKAN BARU/SIMPANGTIGA       | 0028N    | 10120E    | 31        |           | 1004.4       | 1008.3         | 27.6        |        | 22.9           |        | 13            | 254   |        | 4        | 162      |          |
| 96163 PADANG/TABING                | 0053S    | 10020E    | 3         |           | 1009.3       | 1010.0         | 26.0        |        | 27.9           |        | 16            | 234   |        |          | 168      | 90       |
| 96171 RENGAT/JAPURA                | 0020S    | 10210E    | 46        |           | 1000.6       | 1009.0         | 26.7        |        | 28.3           |        | 11            | 255   |        | 5        | 159      | 135      |
| 96221 PALEMBANG/ST. M. BADARUDIN I | 0254S    | 10440E    | 10        |           | 1008.1       | 1009.9         | 26.3        |        | 28.3           |        | 16            | 138   |        |          | 181      | 95       |
| 96237 PANGKAL PINANG               | 0210S    | 10600E    | 33        |           | 1005.4       | 1009.5         | 27.0        |        | 27.1           |        | 9             | 120   |        |          | 180      | 60       |
| 96249 TANJUNG PANDAN/BULUH TUMBANG | 0245S    | 10740E    | 44        |           | 1003.3       | 1008.2         | 26.1        |        | 28.4           |        | 15            | 325   |        | 5        | 166      | 85       |
| 96295 TANJUNG KARANG/RADIN INTEN I | 0506S    | 10510E    | 96        |           | 1000.2       | 1010.4         | 26.1        |        | 26.8           |        | 10            | 135   |        |          | 196      |          |
| 96509 TARAKAN/JUWATA               | 0320N    | 11730E    | 6         |           | 1009.2       | 1010.3         | 26.9        |        | 29.4           |        | 15            | 234   |        |          | 121      |          |
| 96581 PONTIANAK/SUPADIO            | 0009S    | 10920E    | 3         |           | 1008.2       | 1008.9         | 26.9        |        | 29.2           |        | 15            | 279   |        |          | 195      | 150      |
| 96633 BALIKPAPAN/SEPINGGAN         | 0116S    | 11650E    | 3         |           | 1009.0       | 1009.8         | 26.6        |        | 31.6           |        | 24            | 309   |        | 5        | 81       | 50       |
| 96685 BANJARMASIN/SYAMSUDIN NOOR   | 0326S    | 11440E    | 20        |           | 1007.6       | 1010.3         | 26.3        |        | 27.7           |        | 14            | 99    |        | 1        | 107      | 65       |
| 96739 CURUG/BUDIARTO               | 0614S    | 10630E    | 46        |           | 1005.4       | 1010.3         | 26.2        |        | 24.5           |        | 8             | 123   |        | 4        | 150      | 75       |
| 96745 JAKARTA/OBSERVATORY          | 0611S    | 10650E    | 8         |           | 1010.0       | 1010.4         | 28.8        |        | 26.8           |        | 4             | 36    |        | 3        | 200      | 100      |
| 96797 TEGAL                        | 0651S    | 10900E    | 10        |           | 1010.0       | 1010.3         | 26.9        |        | 25.9           |        | 8             | 54    |        |          | 211      |          |
| 96805 CILACAP                      | 0744S    | 10900E    | 6         |           | 1011.7       | 1012.8         | 25.7        |        | 27.0           |        | 2             | 5     |        |          | 227      | 90       |
| 96837 SEMARANG                     | 0658S    | 11020E    | 3         |           | 1011.5       | 1011.9         | 28.4        |        |                |        | 4             | 70    |        |          | 241      |          |
| 96933 SURABAYA/PERAK I             | 0713S    | 11240E    | 3         |           | 1010.4       | 1011.1         | 28.5        |        | 25.9           |        | 1             | 7     |        | 4        | 228      | 120      |
| 97014 MENADO/ SAM RATULANGI        | 0132N    | 12450E    | 80        |           | 1000.9       | 1010.2         | 26.2        |        | 26.2           |        | 15            | 198   |        | 4        | 166      | 80       |
| 97048 GORONTALO/JALALUDDIN         | 0031N    | 12300E    | 2         |           | 1006.7       | 1009.1         | 26.1        |        | 27.6           |        | 15            | 147   |        |          | 157      | 65       |
| 97072 PALU/MUTIARA                 | 0041S    | 11940E    | 6         |           | 1000.9       | 1010.9         | 25.7        |        | 33.0           |        | 20            | 197   |        |          | 136      | 110      |
| 97146 KENDARI/WOLTER MONGINSIDI    | 0406S    | 12220E    | 50        |           | 1005.3       | 1011.4         | 25.1        |        |                |        | 20            | 328   |        |          |          |          |
| 97230 DENPASAR/NGURAH RAI          | 0845S    | 11510E    | 1         |           | 1011.2       | 1011.9         | 26.1        |        | 27.0           |        | 1             | 6     |        | 1        | 238      |          |
| 97260 SUMBAWA BESAR/BRANGBIJI      | 0826S    | 11720E    | 3         |           | 1009.8       | 1010.5         | 26.7        |        | 23.1           |        | 0             | 0     |        |          | 271      | 110      |
| 97340 WAINGAPU/MAU HAU             | 0940S    | 12020E    | 12        |           |              | 1012.8         | 25.7        |        | 23.3           |        | 0             | 0     |        |          | 237      | 105      |
| 97372 KUPANG/ELTARI                | 1010S    | 12340E    | 108       |           | 1010.7       | 1012.0         | 25.3        |        | 21.8           |        | 0             | 0     |        |          | 241      | 105      |
| 97502 SORONG/JEFMAN                | 0056S    | 13100E    | 3         |           | 1009.4       | 1009.9         | 25.5        |        | 29.5           |        | 28            | 614   |        |          | 158      |          |
| 97560 BIAK/FRANS KAISIEPO          | 0111S    | 13600E    | 11        |           | 1008.3       | 1009.7         | 26.1        |        | 29.4           |        | 8             | 445   |        |          | 125      | 70       |
| 97686 WAMENA                       | 0404S    | 13850E    | 1660      |           | 835.4        | 1007.4         | 18.6        |        |                |        | 18            | 106   |        | 4        |          |          |
| 97690 JAYAPURA/SENTANI             | 0234S    | 14020E    | 99        |           | 999.0        | 1009.1         | 26.6        |        | 27.6           |        | 8             | 59    |        |          | 82       |          |
| 97724 AMBON/PATTIMURA              | 0342S    | 12800E    | 12        |           | 1009.4       | 1010.8         | 24.9        |        | 28.2           |        | 28            | 1267  |        |          | 41       | 190      |
| 97876 TANAH MERAH                  | 0606S    | 14010E    | 16        |           | 1008.2       | 1011.5         | 25.3        |        | 29.4           |        | 26            | 513   |        |          | 62       |          |
| 97900 SAUMLAKI/OLILIT              | 0759S    | 13110E    | 24        |           | 1010.4       | 1013.4         | 26.0        |        | 26.5           |        | 2             | 5     |        |          | 176      | 75       |
| 97980 MERAUKE/MOPAH                | 0828S    | 14020E    | 3         |           |              | 1011.2         | 25.4        |        | 26.1           |        | 15            | 37    |        | 5        | 93       | 45       |
| <b>BRUNEI DARUSSALAM</b>           |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |



# SURFACE

# AUGUST 2008

| 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. |
| 96315 BRUNEI AIRPORT                | 0456N    | 11450E    | 22        |           | 1007.7       | 1009.6         | 27.6        |        | 29.3           | -6     | 16            | 317   | 119    | 4        | 225      | 103      |
| <b>MALAYSIA (SABAH AND SARAWAK)</b> |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 96413 KUCHING                       | 0129N    | 11020E    | 27        |           | 1007.0       | 1009.6         | 26.4        |        | 28.1           |        | 17            | 326   |        | 5        |          |          |
| 96421 SIBU                          | 0220N    | 11150E    | 31        |           | 1006.3       | 1009.9         | 26.6        |        | 27.6           |        | 18            | 337   |        | 5        |          |          |
| 96441 BINTULU                       | 0312N    | 11300E    | 5         |           | 1006.6       | 1009.3         | 27.0        | .2     | 29.2           |        | 17            | 566   | 276    | 5        |          |          |
| 96449 MIRI                          | 0420N    | 11350E    | 18        |           | 1007.3       | 1009.2         | 26.6        | -.3    | 28.5           |        | 15            | 322   | 121    | 4        |          |          |
| 96465 LABUAN                        | 0518N    | 11510E    | 30        |           | 1006.0       | 1009.3         | 27.6        |        | 30.0           | -.5    | 14            | 287   |        | 3        |          |          |
| 96471 KOTA KINABALU                 | 0556N    | 11600E    | 3         |           | 1009.3       | 1009.6         | 27.5        |        | 28.5           |        | 13            | 171   |        | 2        |          |          |
| 96481 TAWAU                         | 0416N    | 11750E    | 20        |           | 1007.9       | 1009.8         | 26.5        |        | 28.7           |        | 14            | 229   | 28     | 4        |          |          |
| 96491 SANDAKAN                      | 0554N    | 11800E    | 13        |           | 1008.3       | 1009.5         | 27.3        | .1     | 28.8           |        | 13            | 257   |        | 4        |          |          |
| <b>ISLANDS</b>                      |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 96995 CHRISTMAS ISLAND AERO         | 1027S    | 10540E    | 279       |           | 982.9        | 1012.6         | 23.5        |        | 24.3           |        | 3             | 8     |        | 3        |          |          |
| 96996 COCOS ISLAND AERO             | 1211S    | 09650E    | 4         |           | 1012.5       | 1012.9         | 26.1        |        | 26.5           |        | 9             | 59    | -59    | 2        |          |          |
| <b>PHILIPPINES</b>                  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| 98223 LAOAG                         | 1811N    | 12030E    | 5         |           | 1006.8       | 1007.4         | 27.3        |        | 31.7           |        | 17            | 806   |        |          | 180      |          |
| 98232 APARRI                        | 1822N    | 12130E    | 3         |           | 1007.5       | 1007.8         | 28.4        | -.1    | 32.7           | .9     | 10            | 333   | 18     |          |          |          |
| 98233 TUGUEGARAO                    | 1737N    | 12140E    | 62        |           | 1000.4       | 1007.5         | 27.1        |        | 29.2           |        | 11            | 385   |        |          | 149      |          |
| 98325 DAGUPAN                       | 1603N    | 12020E    | 2         |           | 1007.9       | 1008.2         | 27.5        | -.2    | 31.7           | .7     | 21            | 615   | -2     |          |          |          |
| 98328 BAGUIO                        | 1625N    | 12030E    | 1501      |           | 850.3        | 1007.7         | 19.0        |        | 19.4           |        | 25            | 1000  |        |          | 238      |          |
| 98330 CABANATUAN                    | 1529N    | 12050E    | 32        |           | 1005.7       | 1008.9         | 27.6        |        | 31.7           |        | 21            | 430   |        |          |          |          |
| 98430 SCIENCE GARDEN                | 1438N    | 12100E    | 46        |           | 1003.6       | 1008.4         | 28.0        |        | 31.7           |        | 22            | 430   |        |          |          |          |
| 98444 LEGASPI                       | 1308N    | 12340E    | 17        |           | 1006.9       | 1008.8         | 27.8        | .0     | 31.7           | 1.0    | 14            | 247   | -33    |          |          |          |
| 98550 TACLOBAN                      | 1115N    | 12500E    | 3         |           | 1008.9       | 1009.2         | 27.6        | -.4    | 31.7           | 1.7    | 12            | 199   | 64     |          | 179      |          |
| 98644 TAGBILARAN                    | 0936N    | 12350E    | 8         |           | 1008.5       | 1009.4         | 28.2        |        | 29.8           |        | 9             | 241   |        |          |          |          |
| 98646 MACTAN                        | 1018N    | 12350E    | 24        |           | 1008.2       | 1011.0         | 28.3        | -.1    | 28.1           | -2.1   | 7             | 160   | 24     |          | 222      |          |
| 98755 HINATUAN                      | 0822N    | 12620E    | 3         |           | 1009.0       | 1009.4         | 27.8        |        | 29.8           |        | 12            | 153   |        |          |          |          |
| 98836 ZAMBOANGA                     | 0654N    | 12200E    | 6         |           | 1009.3       | 1010.1         | 28.0        | .5     | 28.9           | -.7    | 15            | 215   | 101    |          | 180      |          |

# 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. |
| JUNE 2008<br><b>AFRICA</b>  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>BENIN</b><br>65330 PARAKOU      0921N      00237E      393      967.6      1011.2      26.2      .1      26.0      .1      11      295      123      5      215      110<br>65338 BOHICON      0710N      00204E      167      993.0      1011.9      26.0      -.4      28.3      .5      16      208      33      4      130      76<br>65344 COTONOU      0621N      00223E      9      1009.5      1010.6      27.1      .6      30.2      .7      16      434      78      4      127      90 |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| JULY 2008<br><b>ASIA</b>  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>INDIA</b><br>42587 DALTONGANJ      2403N      08404E      221      973.2      998.5      28.0      -1.2      34.1           18      181      -175      1   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>N AMERICA</b>  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>HAITI</b><br>78437 PORT-AU-PRINCE (DAMIEN)      1836N      07217W      15                30.5      2.9      30.0           4      33      -72      1   |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>COLOMBIA</b><br>80001 SAN ANDRES (ISLA)/SESQUICENT<br><b>S AMERICA</b> 1235N      08143W      6      1011.8      1011.9      27.7      -1      31.2      .1      19      311      107      5      165      90  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |
| <b>COLOMBIA</b><br>80009 SANTA MARTA/SIMON BOLIVAR      1108N      07414W      14      1009.9      1010.4      28.7      .0      30.1      1.0      7      51      -4      3      223      95<br>80022 CARTAGENA/RAFAEL NUNEZ      1027N      07531W      12      1010.3      1010.5      28.2      .1      32.1      1.7      12      66      -28      2      173      80  |          |           |           |           |              |                |             |        |                |        |               |       |        |          |          |          |

# 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. |
| 80028 BARRANQUILLA/ERNESTO CORTISS | 1053N    | 07447W    | 30        |           | 1007.4       | 1011.0         | 27.8        | -.3    | 30.4           | .5     | 9             | 39    | -31    | 2        | 187      | 88       |
| 80084 APARTADO/LOS CEDROS          | 0749N    | 07642W    | 20        |           |              |                | 27.3        |        | 30.8           |        | 22            | 395   |        |          | 136      | 110      |
| 80091 BARRANCABERMEJA/YARIGUIES    | 0701N    | 07348W    | 134       |           |              |                | 27.4        | -.8    | 28.4           | .1     | 21            | 365   | 188    | 5        | 197      | 91       |
| 80094 BUCARAMANGA/PALONEGRO        | 0706N    | 07312W    | 1189      |           | 881.7        |                | 21.1        |        | 21.5           |        | 11            | 78    | -11    | 3        | 145      | 105      |
| 80097 CUCUTA/CAMILO DAZA           | 0756N    | 07231W    | 317       |           | 975.4        | 1009.9         | 27.6        | -.3    | 23.5           | .8     | 13            | 78    | 46     | 6        | 209      | 105      |
| 80099 ARAUCA/SANTIAGO PEREZ        | 0704N    | 07044W    | 128       |           | 991.0        | 1006.0         | 25.0        | -.5    | 28.4           | .5     | 18            | 363   | 93     | 4        | 140      | 97       |
| 80112 RIONEGRO/J.M.CORDOVA         | 0608N    | 07526W    | 2142      |           | 791.7        |                | 16.3        |        | 15.3           |        | 25            | 233   |        |          | 174      | 150      |
| 80210 PEREIRA/MATECANA             | 0449N    | 07544W    | 1342      |           | 866.3        |                | 20.9        | -.9    | 20.0           | 1.0    | 26            | 319   | 195    | 6        | 130      | 70       |
| 80214 IBAGUE/PERALES               | 0426N    | 07509W    | 928       |           |              |                | 23.6        | -.9    | 21.4           | 1.3    | 11            | 72    | 0      | 3        | 176      | 90       |
| 80222 BOGOTA/ELDORADO              | 0442N    | 07409W    | 2547      |           | 753.0        |                | 12.6        | -.5    | 12.5           | .9     | 11            | 61    | 20     | 5        | 96       | 68       |
| 80259 CALI/ALFONSO BONILLA ARAGON  | 0333N    | 07623W    | 969       |           | 905.9        |                | 23.1        |        | 21.4           |        | 8             | 66    | 38     | 5        | 169      | 115      |
| 80315 NEIVA/BENITO SALAS           | 0258N    | 07518W    | 443       |           | 959.9        | 1008.9         | 27.7        | -.5    | 21.9           | 1.6    | 7             | 43    | -1     | 4        | 156      | 89       |
| 80370 IPIALES/SAN LUIS             | 0049N    | 07738W    | 2961      |           |              |                | 10.4        | .6     | 10.3           | .1     | 8             | 17    | -31    | 1        | 118      | 90       |
| 80398 LETICIA/VASQUEZ COBO         | 0410S    | 06957W    | 84        |           | 1004.0       | 1013.6         | 25.5        | .5     | 28.0           | .8     | 11            | 171   | -1     | 4        | 223      | 116      |

# UPPER AIR

# AUGUST 2008

| 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<br/>JAN MAYEN</b><br>01001 AUG 2008 7056N 00840W OB 3  |        |              |       |                      |              |            |           |       | <b>EUROPE - NORWAY<br/>BJORNOYA</b><br>01028 AUG 2008 7431N 01901E OB 3        |             |              |       |                      |              |            |           |       | <b>EUROPE - NORWAY<br/>BODO</b><br>01152 AUG 2008 6717N 01427E OB 3                  |        |              |             |                      |              |            |           |       |  |
| 030   | 24308  | 0            | -44.9 | 35.3                 | 3            | 61         | 127       | 2     | 030  | 24324       | 0            | -45.0 | 34.9                 | 0            | 52         | 92        | 1     | 030  | 24312  | 0            | -46.7       | 34.6                 | 0            | 58         | 84        | 1     |  |
| 050   | 20903  | 0            | -45.7 | 35.0                 | 3            | 29         | 172       | 1     | 050  | 20919       | 0            | -45.6 | 34.8                 | 0            | 23         | 209       | 1     | 050  | 20930  | 0            | -47.2       | 34.4                 | 0            | 51         | 239       | 1     |  |
| 100   | 16300  | 0            | -46.7 | 34.7                 | 3            | 34         | 237       | 1     | 100  | 16300       | 0            | -45.6 | 34.8                 | 0            | 39         | 253       | 1     | 100  | 16340  | 0            | -46.9       | 34.5                 | 0            | 67         | 254       | 3     |  |
| 150   | 13616  | 0            | -47.1 | 34.6                 | 3            | 50         | 253       | 2     | 150  | 13602       | 0            | -45.9 | 34.3                 | 0            | 36         | 288       | 2     | 150  | 13656  | 0            | -47.0       | 34.5                 | 0            | 64         | 265       | 3     |  |
| 200   | 11717  | 0            | -48.9 | 29.5                 | 3            | 45         | 256       | 2     | 200  | 11690       | 0            | -47.3 | 30.3                 | 0            | 39         | 306       | 3     | 200  | 11754  | 0            | -48.0       | 31.6                 | 0            | 54         | 277       | 3     |  |
| 300   | 9090   | 0            | -47.8 | 7.7                  | 3            | 31         | 269       | 3     | 300  | 9046        | 0            | -48.3 | 7.4                  | 0            | 39         | 309       | 4     | 300  | 9119   | 0            | -47.3       | 7.6                  | 0            | 33         | 302       | 2     |  |
| 500   | 5521   | 0            | -20.9 | 11.2                 | 1            | 22         | 268       | 1     | 500  | 5488        | 0            | -22.4 | 8.4                  | 0            | 41         | 308       | 3     | 500  | 5540   | 0            | -20.3       | 10.1                 | 0            | 34         | 286       | 2     |  |
| 700   | 2956   | 0            | -5.7  | 10.4                 | 0            | 18         | 175       | 1     | 700  | 2938        | 0            | -6.9  | 8.7                  | 0            | 41         | 307       | 2     | 700  | 2967   | 0            | -4.3        | 12.6                 | 0            | 34         | 250       | 1     |  |
| 850   | 1413   | 0            | 1.9   | 7.4                  | 0            | 39         | 169       | 2     | 850  | 1402        | 0            | .2    | .3                   | 0            | 35         | 315       | 2     | 850  | 1414   | 0            | 3.6         | 5.9                  | 0            | 46         | 206       | 1     |  |
| 1010  | * 9    |              | 6.7   | 2.1                  |              |            |           |       | 1008   | * 18        |              | 4.8   | 1.7                  |              |            |           |       |  | 1005   | * 33         |             | 12.2                 | 5.1          |            |           |       |  |
| <b>EUROPE - NORWAY<br/>ORLAND III</b><br>01241 AUG 2008 6342N 00936E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - NORWAY<br/>STAVANGER/SOLA</b><br>01415 AUG 2008 5852N 00540E OB 3  |             |              |       |                      |              |            |           |       | <b>EUROPE - SWEDEN<br/>TIMRA/MIDLANDA</b><br>02365 AUG 2008 6231N 01727E OB 3        |        |              |             |                      |              |            |           |       |  |
| 030   | 24299  | 0            | -47.3 | 34.6                 | 2            | 69         | 86        | 2     | 030  | 24282       | 0            | -48.3 | 34.1                 | 0            | 48         | 123       | 1     | 030  |        |              |             |                      |              |            |           |       |  |
| 050   | 20928  | 0            | -48.2 | 34.3                 | 2            | 46         | 239       | 1     | 050  | 20934       | 0            | -49.3 | 33.8                 | 0            | 67         | 236       | 2     | 050  | 20929  | 0            | -49.1       | 33.8                 | 9            | 69         | 284       | 3     |  |
| 100   | 16358  | 0            | -48.1 | 34.4                 | 2            | 72         | 255       | 3     | 100  | 16397       | 0            | -49.7 | 33.7                 | 0            | 85         | 244       | 4     | 100  | 16381  | 0            | -48.5       | 33.6                 | 3            | 77         | 252       | 8     |  |
| 150   | 13686  | 0            | -47.7 | 34.2                 | 2            | 73         | 265       | 4     | 150  | 13741       | 0            | -48.9 | 33.5                 | 0            | 82         | 253       | 5     | 150  | 13710  | 0            | -47.9       | 33.8                 | 3            | 75         | 262       | 10    |  |
| 200   | 11788  | 0            | -48.7 | 29.9                 | 2            | 65         | 270       | 4     | 200  | 11853       | 0            | -49.6 | 27.2                 | 0            | 79         | 257       | 7     | 200  | 11811  | 0            | -48.5       | 30.5                 | 3            | 71         | 265       | 11    |  |
| 300   | 9146   | 0            | -46.1 | 9.1                  | 2            | 54         | 274       | 4     | 300  | 9203        | 0            | -44.7 | 9.1                  | 0            | 63         | 259       | 6     | 300  | 9165   | 0            | -45.7       | 8.6                  | 3            | 56         | 260       | 11    |  |
| 500   | 5551   | 0            | -19.2 | 12.4                 | 2            | 45         | 265       | 2     | 500  | 5585        | 0            | -17.5 | 10.0                 | 0            | 70         | 253       | 4     | 500  | 5562   | 0            | -18.9       | 13.5                 | 2            | 55         | 264       | 5     |  |
| 700   | 2969   | 0            | -3.3  | 9.7                  | 2            | 37         | 264       | 1     | 700  | 2984        | 0            | -1.5  | 9.6                  | 0            | 51         | 246       | 2     | 700  | 2973   | 0            | -3.0        | 9.9                  | 2            | 28         | 270       | 2     |  |
| 850   | 1409   | 0            | 5.1   | 4.5                  | 2            | 35         | 226       | 1     | 850  | 1415        | 0            | 6.5   | 3.6                  | 0            | 40         | 198       | 2     | 850  | 1412   | 0            | 4.8         | 3.3                  | 2            | 17         | 31        | 1     |  |
| 1006  | * 10   |              | 14.3  | 5.0                  |              |            |           |       | 1002   | * 37        |              | 15.8  | 3.6                  |              |            |           |       |  | 1007   | * 8          |             | 13.4                 | 2.2          |            |           |       |  |
| <b>EUROPE - FINLAND<br/>JYVASKYLA</b><br>02935 AUG 2008 6224N 02541E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - UNITED KINGDOM<br/>LERWICK</b><br>03005 AUG 2008 6008N 00111W OB 3 |             |              |       |                      |              |            |           |       | <b>EUROPE - IRELAND<br/>VALENTIA OBSERVATORY</b><br>03953 AUG 2008 5156N 01015W OB 3 |        |              |             |                      |              |            |           |       |  |
| 030   | 24296  | 0            | -47.8 | 34.3                 | 5            | 22         | 144       | 1     | 030  | 24277       | 0            | -47.9 | 34.2                 | 0            | 50         | 96        | 2     | 030  | 24257  | 0            | -49.3       | 33.6                 | 0            | 62         | 105       | 2     |  |
| 050   | 20944  | 0            | -48.9 | 33.9                 | 0            | 45         | 253       | 2     | 050  | 20919       | 0            | -48.7 | 34.0                 | 0            | 63         | 222       | 3     | 050  | 20931  | 0            | -51.3       | 33.1                 | 0            | 47         | 235       | 2     |  |
| 100   | 16387  | 0            | -48.1 | 34.2                 | 0            | 81         | 265       | 8     | 100  | 16371       | 0            | -49.2 | 33.7                 | 0            | 82         | 239       | 6     | 100  | 16444  | 0            | -52.6       | 32.5                 | 0            | 88         | 266       | 9     |  |
| 150   | 13714  | 0            | -47.5 | 34.3                 | 0            | 83         | 263       | 12    | 150  | 13709       | 0            | -48.6 | 33.2                 | 0            | 83         | 250       | 9     | 150  | 13822  | 0            | -51.7       | 31.1                 | 0            | 83         | 267       | 14    |  |
| 200   | 11814  | 0            | -48.3 | 29.8                 | 0            | 80         | 264       | 15    | 200  | 11818       | 0            | -49.4 | 27.6                 | 0            | 76         | 256       | 11    | 200  | 11954  | 0            | -51.3       | 23.2                 | 0            | 79         | 270       | 19    |  |
| 300   | 9166   | 0            | -45.4 | 9.6                  | 0            | 74         | 265       | 16    | 300  | 9173        | 0            | -45.0 | 8.9                  | 0            | 53         | 257       | 9     | 300  | 9285   | 0            | -41.8       | 12.6                 | 0            | 71         | 266       | 18    |  |
| 500   | 5561   | 0            | -18.6 | 11.9                 | 0            | 63         | 263       | 8     | 500  | 5560        | 0            | -18.1 | 11.2                 | 0            | 48         | 246       | 6     | 500  | 5627   | 0            | -15.1       | 14.6                 | 0            | 79         | 264       | 13    |  |
| 700   | 2971   | 0            | -2.8  | 8.4                  | 0            | 39         | 264       | 4     | 700  | 2964        | 0            | -2.1  | 11.2                 | 0            | 37         | 218       | 3     | 700  | 3005   | 0            | .5          | 11.4                 | 0            | 80         | 261       | 11    |  |
| 850   | 1409   | 0            | 5.1   | 3.4                  | 0            | 15         | 245       | 1     | 850  | 1399        | 0            | 5.0   | 3.5                  | 0            | 28         | 178       | 3     | 850  | 1425   | 0            | 7.3         | 3.2                  | 0            | 78         | 261       | 9     |  |
| 991   | * 145  |              | 12.6  | 2.3                  |              |            |           |       | 996  | * 84        |              | 13.3  | 2.1                  |              |            |           |       |  | 1005   | * 30         |             | 15.2                 | 2.0          |            |           |       |  |

# UPPER AIR

# AUGUST 2008

| 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 - DENMARK AND FAROE ISLANDS</b><br><b>TORSHAVN</b><br>06011 AUG 2008 6201N 00646W OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - NETHERLANDS</b><br><b>DE BILT</b><br>06260 AUG 2008 5206N 00511E OB 1      |             |              |       |                      |              |            |           |       | <b>EUROPE - SWITZERLAND &amp; LIECHTENSTEIN</b><br><b>PAYERNE</b><br>06610 AUG 2008 4649N 00657E OB 3 |        |              |             |                      |              |            |           |       |
| 030  | 24316  | 0            | -46.9 | 32.7                 | 0            | 52         | 112       | 2     | 030  | 24272       | 0            | -50.0 | 32.7                 | 7            | 61         | 124       | 3     | 030   | 24241  | 0            | -51.1       | 31.6                 | 3            | 94         | 105       | 5     |
| 050  | 20940  | 0            | -47.6 | 32.2                 | 0            | 56         | 220       | 2     | 050  | 20954       | 0            | -52.1 | 31.9                 | 4            | 53         | 211       | 2     | 050   | 20952  | 0            | -54.6       | 29.4                 | 2            | 73         | 131       | 3     |
| 100  | 16373  | 0            | -48.2 | 31.9                 | 0            | 73         | 241       | 5     | 100  | 16480       | 0            | -53.2 | 30.9                 | 4            | 89         | 247       | 10    | 100   | 16545  | 0            | -56.9       | 27.2                 | 0            | 90         | 240       | 9     |
| 150  | 13700  | 0            | -47.6 | 31.0                 | 0            | 73         | 244       | 7     | 150  | 13865       | 0            | -52.2 | 29.8                 | 4            | 83         | 251       | 15    | 150   | 13979  | 0            | -56.3       | 25.7                 | 0            | 82         | 250       | 14    |
| 200  | 11802  | 0            | -48.7 | 25.8                 | 0            | 68         | 250       | 10    | 200  | 12002       | 0            | -52.6 | 21.7                 | 4            | 82         | 254       | 19    | 200   | 12148  | 0            | -54.6       | 9.7                  | 0            | 73         | 255       | 18    |
| 300  | 9149   | 0            | -44.8 | 10.6                 | 0            | 46         | 247       | 9     | 300  | 9342        | 0            | -41.7 | 12.1                 | 4            | 79         | 252       | 20    | 300   | 9482   | 0            | -39.2       | 11.1                 | 0            | 72         | 256       | 17    |
| 500  | 5542   | 0            | -19.0 | 12.4                 | 0            | 46         | 227       | 5     | 500  | 5681        | 0            | -15.0 | 12.2                 | 3            | 83         | 251       | 14    | 500   | 5775   | 0            | -12.0       | 12.5                 | 0            | 76         | 256       | 11    |
| 700  | 2954   | 0            | -2.6  | 10.2                 | 0            | 33         | 182       | 3     | 700  | 3053        | 0            | 1.0   | 10.5                 | 5            | 86         | 247       | 11    | 700   | 3122   | 0            | 3.5         | 10.6                 | 0            | 83         | 237       | 8     |
| 850  | 1393   | 0            | 4.2   | 4.1                  | 0            | 37         | 132       | 4     | 850  | 1467        | 0            | 8.9   | 5.2                  | 5            | 86         | 244       | 10    | 850   | 1520   | 0            | 12.4        | 6.8                  | 0            | 75         | 239       | 5     |
| 1000   | * 61   |              | 11.6  | 2.9                  |              |            |           |       | 1012   | * 4         |              | 16.1  | 3.8                  |              |            |           |       | 959   | * 491  |              | 18.1        | 17.8                 |              |            |           |       |
| <b>EUROPE - FRANCE</b><br><b>NANCY-ESSEY</b><br>07180 AUG 2008 4841N 00613E OB 3                 |        |              |       |                      |              |            |           |       | <b>EUROPE - FRANCE</b><br><b>BORDEAUX MERIGNAC</b><br>07510 AUG 2008 4450N 00041W OB 3 |             |              |       |                      |              |            |           |       | <b>EUROPE - FRANCE</b><br><b>AJACCIO</b><br>07761 AUG 2008 4155N 00848E OB 3                          |        |              |             |                      |              |            |           |       |
| 030  | 24253  | 0            | -50.3 |                      |              |            |           |       | 030  | 24242       | 0            | -51.0 | 33.4                 | 2            | 89         | 99        | 6     | 030   | 24243  | 0            | -51.7       | 32.7                 | 6            | 93         | 109       | 7     |
| 050  | 20954  | 0            | -53.5 |                      | 4            | 56         | 151       | 3     | 050  | 20953       | 0            | -54.8 | 31.9                 | 2            | 59         | 109       | 3     | 050   | 20960  | 0            | -56.6       | 30.1                 | 0            | 75         | 116       | 5     |
| 100  | 16518  | 0            | -55.6 |                      | 5            | 86         | 228       | 10    | 100  | 16554       | 0            | -57.8 | 30.0                 | 2            | 90         | 262       | 10    | 100   | 16617  | 0            | -61.0       | 26.8                 | 0            | 91         | 242       | 10    |
| 150  | 13936  | 0            | -54.9 |                      | 4            | 73         | 235       | 14    | 150  | 13999       | 0            | -57.3 | 25.7                 | 2            | 88         | 254       | 16    | 150   | 14090  | 0            | -58.6       | 24.4                 | 1            | 94         | 252       | 17    |
| 200  | 12096  | 0            | -54.3 | 10.0                 | 4            | 69         | 235       | 19    | 200  | 12172       | 0            | -55.3 | 14.0                 | 2            | 79         | 258       | 19    | 200   | 12265  | 0            | -54.1       | 15.2                 | 0            | 82         | 263       | 16    |
| 300  | 9430   | 0            | -40.1 | 10.2                 | 1            | 72         | 234       | 21    | 300  | 9505        | 0            | -38.8 | 10.3                 | 2            | 76         | 254       | 18    | 300   | 9585   | 0            | -37.8       | 11.3                 | 0            | 77         | 270       | 14    |
| 500  | 5741   | 0            | -13.4 | 14.4                 | 0            | 80         | 239       | 12    | 500  | 5791        | 0            | -11.4 | 16.7                 | 2            | 82         | 263       | 13    | 500   | 5847   | 0            | -9.2        | 21.8                 | 0            | 85         | 267       | 11    |
| 700  | 3099   | 0            | 2.5   | 10.2                 | 0            | 78         | 235       | 9     | 700  | 3131        | 0            | 4.5   | 3.7                  | 2            | 82         | 254       | 10    | 700   | 3162   | 0            | 7.3         | 16.6                 | 0            | 78         | 277       | 7     |
| 850  | 1506   | 0            | 10.3  | 9.7                  | 0            | 76         | 226       | 7     | 850  | 1525        | 0            | 12.4  | 8.5                  | 2            | 76         | 253       | 6     | 850   | 1535   | 0            | 17.4        | 13.1                 | 0            | 50         | 285       | 2     |
| 990  | * 212  |              | 21.1  | 7.9                  |              |            |           |       | 1011   | * 61        |              | 17.3  | 2.8                  |              |            |           |       | 1014  | * 9    |              | 27.8        | 7.7                  |              |            |           |       |
| <b>EUROPE - SPAIN</b><br><b>LA CORUNA</b><br>08001 AUG 2008 4322N 00825W OB 3                    |        |              |       |                      |              |            |           |       | <b>EUROPE - SPAIN</b><br><b>SANTANDER</b><br>08023 AUG 2008 4329N 00348W OB 3          |             |              |       |                      |              |            |           |       | <b>EUROPE - SPAIN</b><br><b>MADRID/BARAJAS</b><br>08221 AUG 2008 4030N 00335W OB 3                    |        |              |             |                      |              |            |           |       |
| 030  | 24234  | 0            | -50.9 | 32.5                 | 9            | 90         | 105       | 4     | 030  | 24267       | 0            | -49.1 | 34.3                 | 8            | 92         | 94        | 3     | 030   | 24204  | 0            | -51.5       | 32.6                 | 0            | 95         | 97        | 8     |
| 050  | 20946  | 0            | -55.3 | 31.1                 | 1            | 78         | 98        | 2     | 050  | 20962       | 0            | -55.0 | 31.4                 | 0            | 71         | 117       | 2     | 050   | 20929  | 0            | -56.4       | 31.3                 | 0            | 82         | 104       | 5     |
| 100  | 16561  | 0            | -58.7 | 29.1                 | 0            | 83         | 263       | 5     | 100  | 16573       | 0            | -58.7 | 29.1                 | 0            | 86         | 257       | 5     | 100   | 16589  | 0            | -61.3       | 26.9                 | 0            | 91         | 257       | 9     |
| 150  | 14013  | 0            | -57.4 | 26.1                 | 0            | 85         | 268       | 9     | 150  | 14026       | 0            | -57.5 | 26.0                 | 0            | 87         | 260       | 9     | 150   | 14074  | 0            | -59.7       | 22.6                 | 0            | 90         | 261       | 17    |
| 200  | 12185  | 0            | -54.9 | 16.2                 | 0            | 75         | 274       | 10    | 200  | 12199       | 0            | -54.9 | 16.2                 | 0            | 80         | 265       | 10    | 200   | 12258  | 0            | -54.8       | 16.7                 | 0            | 82         | 264       | 19    |
| 300  | 9517   | 0            | -38.4 | 12.7                 | 0            | 72         | 272       | 8     | 300  | 9527        | 0            | -38.5 | 14.4                 | 0            | 81         | 260       | 9     | 300   | 9581   | 0            | -38.0       | 13.6                 | 0            | 83         | 260       | 16    |
| 500  | 5799   | 0            | -10.8 | 21.0                 | 0            | 80         | 268       | 7     | 500  | 5809        | 0            | -11.1 | 21.3                 | 0            | 84         | 260       | 6     | 500   | 5850   | 0            | -9.5        | 18.6                 | 0            | 88         | 257       | 12    |
| 700  | 3130   | 0            | 5.2   | 18.5                 | 0            | 74         | 267       | 4     | 700  | 3142        | 0            | 5.4   | 17.7                 | 0            | 86         | 254       | 5     | 700   | 3167   | 0            | 7.4         | 17.3                 | 0            | 85         | 241       | 7     |
| 850  | 1523   | 0            | 12.3  | 10.6                 | 0            | 61         | 265       | 2     | 850  | 1532        | 0            | 12.5  | 7.8                  | 0            | 72         | 263       | 2     | 850   | 1537   | 0            | 18.7        | 14.2                 | 0            | 48         | 229       | 3     |
| 1009   | * 67   |              | 20.3  | 4.6                  |              |            |           |       | 1012   | * 59        |              | 20.3  | 2.6                  |              |            |           |       | 944   | * 633  |              | 26.5        | 19.6                 |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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 - SPAIN MURCIA</b><br>08430 AUG 2008 3800N 00110W OB 3      |        |              |       |                      |              |            |           |       | <b>EUROPE - GIBRALTAR GIBRALTAR</b><br>08495 AUG 2008 3609N 00521W OB 3 |             |              |       |                      |              |            |           |       | <b>EUROPE - PORTUGAL LISBOA/GAGO COUTINHO</b><br>08579 AUG 2008 3846N 00908W OB 3 |        |              |             |                      |              |            |           |       |
| 030   | 24179  | 0            | -52.2 | 33.1                 | 9            | 97         | 99        | 5     | 030   | 24156       | 0            | -52.8 | 32.4                 | 0            | 97         | 96        | 11    | 030   | 24178  | 0            | -51.5       | 32.6                 | 8            | 91         | 95        | 4     |
| 050   | 20899  | 0            | -57.5 | 31.6                 | 9            | 88         | 106       | 3     | 050   | 20901       | 0            | -58.3 | 30.5                 | 0            | 92         | 98        | 8     | 050   | 20912  | 0            | -56.5       | 31.1                 | 8            | 86         | 99        | 3     |
| 100   | 16614  | 0            | -64.2 | 29.7                 | 3            | 89         | 249       | 5     | 100   | 16625       | 0            | -65.6 | 21.8                 | 0            | 85         | 253       | 8     | 100   | 16592  | 0            | -63.0       | 26.2                 | 8            | 86         | 272       | 4     |
| 150   | 14122  | 0            | -60.9 | 27.0                 | 3            | 90         | 261       | 8     | 150   | 14151       | 0            | -62.2 | 18.6                 | 0            | 89         | 265       | 16    | 150   | 14097  | 0            | -60.9       | 21.5                 | 7            | 91         | 271       | 9     |
| 200   | 12311  | 0            | -54.8 | 20.3                 | 3            | 86         | 266       | 9     | 200   | 12344       | 0            | -54.4 | 16.8                 | 0            | 83         | 268       | 17    | 200   | 12289  | 0            | -55.1       | 16.5                 | 4            | 83         | 277       | 9     |
| 300   | 9622   | 0            | -37.3 | 17.2                 | 3            | 76         | 264       | 7     | 300   | 9654        | 0            | -36.7 | 16.2                 | 0            | 82         | 264       | 12    | 300   | 9608   | 0            | -37.1       | 14.5                 | 6            | 81         | 274       | 8     |
| 500   | 5886   | 0            | -8.9  | 23.2                 | 2            | 94         | 259       | 7     | 500   | 5903        | 0            | -8.3  | 20.8                 | 0            | 91         | 254       | 12    | 500   | 5862   | 0            | -8.6        | 20.2                 | 3            | 82         | 272       | 5     |
| 700   | 3190   | 0            | 9.3   | 19.4                 | 2            | 85         | 253       | 4     | 700   | 3197        | 0            | 11.6  | 24.4                 | 1            | 93         | 245       | 10    | 700   | 3170   | 0            | 8.6         | 25.6                 | 2            | 78         | 272       | 4     |
| 850   | 1547   | 0            | 19.3  | 15.4                 | 1            | 34         | 212       | 1     | 850   | 1548        | 0            | 20.6  | 21.4                 | 1            | 28         | 168       | 2     | 850   | 1542   | 0            | 16.2        | 19.3                 | 1            | 59         | 330       | 2     |
| 1007  | * 62   |              | 27.8  | 9.6                  |              |            |           |       | 1015  | * 4         |              | 25.3  | 6.5                  |              |            |           |       | 1005  | * 105  |              | 25.1        | 11.8                 |              |            |           |       |
| <b>EUROPE - GERMANY SCHLESWIG</b><br>10035 AUG 2008 5432N 00933E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY GREIFSWALD</b><br>10184 AUG 2008 5406N 01324E OB 3  |             |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY EMDEN-FLUGPLATZ</b><br>10200 AUG 2008 5323N 00714E OB         |        |              |             |                      |              |            |           |       |
| 030   | 24271  | 0            | -49.7 | 33.9                 | 0            | 50         | 133       | 2     | 030   | 24271       | 0            | -49.9 | 33.6                 | 0            | 43         | 92        | 2     | 030   | 24279  | 0            | -49.8       | 33.7                 | 0            | 70         | 127       | 3     |
| 050   | 20945  | 0            | -51.7 | 33.2                 | 0            | 51         | 224       | 3     | 050   | 20950       | 0            | -52.1 | 33.0                 | 0            | 48         | 225       | 2     | 050   | 20955  | 0            | -51.9       | 33.0                 | 0            | 53         | 219       | 2     |
| 100   | 16454  | 0            | -52.0 | 33.3                 | 0            | 87         | 245       | 10    | 100   | 16471       | 0            | -52.4 | 32.7                 | 0            | 87         | 251       | 10    | 100   | 16470  | 0            | -52.4       | 32.8                 | 0            | 88         | 245       | 10    |
| 150   | 13824  | 0            | -51.2 | 32.7                 | 0            | 84         | 253       | 14    | 150   | 13847       | 0            | -51.6 | 32.3                 | 0            | 83         | 255       | 15    | 150   | 13846  | 0            | -51.4       | 32.1                 | 0            | 86         | 253       | 15    |
| 200   | 11951  | 0            | -51.5 | 24.3                 | 0            | 81         | 259       | 19    | 200   | 11980       | 0            | -52.4 | 23.0                 | 0            | 78         | 261       | 20    | 200   | 11981  | 0            | -51.8       | 23.7                 | 0            | 81         | 256       | 19    |
| 300   | 9298   | 0            | -42.9 | 10.8                 | 0            | 80         | 254       | 19    | 300   | 9327        | 0            | -42.2 | 9.8                  | 0            | 72         | 256       | 20    | 300   | 9322   | 0            | -42.4       | 11.4                 | 0            | 78         | 254       | 20    |
| 500   | 5651   | 0            | -15.9 | 10.6                 | 0            | 79         | 254       | 13    | 500   | 5665        | 0            | -15.2 | 13.6                 | 0            | 77         | 260       | 13    | 500   | 5669   | 0            | -15.6       | 13.8                 | 0            | 79         | 250       | 13    |
| 700   | 3032   | 0            | -2    | 8.0                  | 0            | 76         | 256       | 9     | 700   | 3040        | 0            | .3    | 9.5                  | 0            | 78         | 259       | 10    | 700   | 3046   | 0            | .3          | 8.8                  | 0            | 82         | 251       | 10    |
| 850   | 1453   | 0            | 7.9   | 3.7                  | 0            | 78         | 250       | 9     | 850   | 1460        | 0            | 8.2   | 3.9                  | 0            | 79         | 260       | 8     | 850   | 1464   | 0            | 8.4         | 4.0                  | 0            | 81         | 246       | 9     |
| 1005  | * 48   |              | 16.3  | 3.8                  |              |            |           |       | 1011  | * 6         |              | 18.1  | 4.7                  |              |            |           |       | 1012  | * 5    |              | 17.1        | 3.3                  |              |            |           |       |
| <b>EUROPE - GERMANY BERGEN</b><br>10238 AUG 2008 5249N 00956E OB      |        |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY LINDENBERG</b><br>10393 AUG 2008 5213N 01407E OB 3  |             |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY ESSEN-BREDENEY</b><br>10410 AUG 2008 5124N 00658E OB 3        |        |              |             |                      |              |            |           |       |
| 030   | 24271  | 0            | -50.0 | 33.8                 | 0            | 56         | 125       | 2     | 030   | 24266       | 0            | -49.9 | 33.5                 | 0            | 62         | 96        | 3     | 030   | 24258  | 0            | -49.9       | 33.5                 | 0            | 66         | 114       | 3     |
| 050   | 20950  | 0            | -52.2 | 33.0                 | 0            | 43         | 214       | 2     | 050   | 20954       | 0            | -52.9 | 32.6                 | 0            | 39         | 230       | 2     | 050   | 20945  | 0            | -52.6       | 32.7                 | 0            | 34         | 207       | 1     |
| 100   | 16475  | 0            | -53.2 | 32.7                 | 0            | 89         | 245       | 11    | 100   | 16496       | 0            | -53.5 | 32.1                 | 0            | 88         | 253       | 11    | 100   | 16484  | 0            | -53.7       | 32.3                 | 0            | 88         | 247       | 9     |
| 150   | 13861  | 0            | -52.2 | 31.7                 | 0            | 85         | 254       | 15    | 150   | 13890       | 0            | -53.1 | 30.5                 | 0            | 85         | 255       | 17    | 150   | 13877  | 0            | -52.9       | 30.6                 | 0            | 85         | 254       | 16    |
| 200   | 11998  | 0            | -52.8 | 21.4                 | 0            | 80         | 260       | 21    | 200   | 12036       | 0            | -53.7 | 19.5                 | 0            | 80         | 259       | 22    | 200   | 12021  | 0            | -52.9       | 22.2                 | 0            | 81         | 258       | 21    |
| 300   | 9340   | 0            | -41.5 | 10.7                 | 0            | 77         | 253       | 21    | 300   | 9380        | 0            | -41.2 | 10.5                 | 0            | 72         | 259       | 20    | 300   | 9362   | 0            | -41.5       | 11.1                 | 0            | 78         | 254       | 20    |
| 500   | 5674   | 0            | -14.9 | 13.6                 | 0            | 81         | 254       | 14    | 500   | 5703        | 0            | -14.2 | 12.6                 | 0            | 78         | 257       | 14    | 500   | 5695   | 0            | -14.8       | 14.4                 | 0            | 84         | 258       | 14    |
| 700   | 3046   | 0            | .5    | 8.2                  | 0            | 80         | 256       | 10    | 700   | 3068        | 0            | .9    | 8.0                  | 0            | 77         | 263       | 10    | 700   | 3065   | 0            | .9          | 10.3                 | 0            | 86         | 252       | 10    |
| 850   | 1462   | 0            | 8.7   | 4.8                  | 0            | 82         | 253       | 9     | 850   | 1482        | 0            | 9.3   | 4.0                  | 0            | 74         | 263       | 7     | 850   | 1480   | 0            | 8.8         | 3.7                  | 0            | 85         | 244       | 9     |
| 1003  | * 77   |              | 17.3  | 4.6                  |              |            |           |       | 1000  | * 115       |              | 18.7  | 6.1                  |              |            |           |       | 996   | * 153  |              | 17.7        | 5.3                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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/>MEININGEN</b><br>10548 AUG 2008 5034N 01023E OB 3       |        |              |       |                      |              |            |           |       | <b>EUROPE - GERMANY<br/>STUTTART/SCHNARRENBERG</b><br>10739 AUG 2008 4850N 00912E OB 3   |        |              |             |                      |              |            |             |       | <b>EUROPE - GERMANY<br/>MUENCHEN-OBERSCHLEIBSHEIM</b><br>10868 AUG 2008 4815N 01133E OB 3 |             |              |       |                      |              |            |           |       |
| 030   | 24262  | 0            | -50.3 | 33.6                 | 0            | 70         | 106       | 3     | 030  | 24259  | 0            | -50.1       | 33.9                 | 0            | 78         | 106         | 4     | 030   | 24252       | 0            | -50.5 | 33.6                 | 0            | 81         | 109       | 4     |
| 050   | 20953  | 0            | -53.2 | 32.8                 | 0            | 38         | 189       | 2     | 050  | 20955  | 0            | -53.5       | 32.8                 | 0            | 53         | 148         | 2     | 050   | 20955       | 0            | -54.2 | 32.2                 | 0            | 49         | 150       | 2     |
| 100   | 16508  | 0            | -54.8 | 32.1                 | 0            | 90         | 247       | 10    | 100  | 16525  | 0            | -55.7       | 32.0                 | 0            | 89         | 248         | 10    | 100   | 16541       | 0            | -56.3 | 31.1                 | 0            | 89         | 246       | 10    |
| 150   | 13911  | 0            | -53.9 | 30.3                 | 0            | 85         | 253       | 17    | 150  | 13942  | 0            | -55.4       | 29.4                 | 0            | 85         | 254         | 16    | 150   | 13967       | 0            | -55.7 | 27.6                 | 0            | 83         | 256       | 15    |
| 200   | 12064  | 0            | -54.2 | 18.5                 | 0            | 81         | 258       | 22    | 200  | 12105  | 0            | -54.5       | 19.1                 | 0            | 77         | 256         | 20    | 200   | 12132       | 0            | -54.8 | 16.9                 | 0            | 74         | 261       | 18    |
| 300   | 9407   | 0            | -40.6 | 9.4                  | 0            | 73         | 253       | 19    | 300  | 9443   | 0            | -40.1       | 10.6                 | 0            | 72         | 255         | 17    | 300   | 9468        | 0            | -39.4 | 11.8                 | 0            | 69         | 259       | 15    |
| 500   | 5722   | 0            | -13.7 | 15.0                 | 0            | 83         | 258       | 14    | 500  | 5748   | 0            | -13.0       | 13.9                 | 0            | 82         | 256         | 13    | 500   | 5765        | 0            | -12.4 | 13.4                 | 0            | 79         | 263       | 11    |
| 700   | 3084   | 0            | 1.4   | 9.3                  | 0            | 83         | 259       | 10    | 700  | 3103   | 0            | 2.3         | 9.9                  | 0            | 88         | 255         | 10    | 700   | 3116        | 0            | 2.6   | 8.7                  | 0            | 84         | 267       | 9     |
| 850   | 1495   | 0            | 9.5   | 3.3                  | 0            | 78         | 251       | 7     | 850  | 1510   | 0            | 10.7        | 4.0                  | 0            | 78         | 250         | 6     | 850   | 1518        | 0            | 11.6  | 4.4                  | 0            | 75         | 269       | 5     |
| 962   | * 453  |              | 17.1  | 5.9                  |              |            |           |       | 978  | * 315  |              | 19.0        | 6.3                  |              |            |             |       | 959   | * 489       |              | 18.6  | 5.8                  |              |            |           |       |
| <b>EUROPE - AUSTRIA<br/>WIEN/HOHE WART</b><br>11035 AUG 2008 4815N 01622E OB 3  |        |              |       |                      |              |            |           |       | <b>EUROPE - CZECH REPUBLIC<br/>PRAHA-LIBUS</b><br>11520 AUG 2008 5001N 01427E OB 3       |        |              |             |                      |              |            |             |       | <b>EUROPE - CZECH REPUBLIC<br/>PROSTEJOV</b><br>11747 AUG 2008 4927N 01708E OB            |             |              |       |                      |              |            |           |       |
| 030   | 24260  | 0            | -50.6 |                      | 4            | 88         | 104       | 4     | 030  | 24269  | 0            | -50.2       | 32.8                 | 0            | 78         | 95          | 4     | 030   | 24274       | 0            | -50.7 | 31.8                 | 0            | 74         | 115       | 4     |
| 050   | 20969  | 0            | -54.5 |                      | 1            | 62         | 150       | 2     | 050  | 20967  | 0            | -53.6       | 31.3                 | 0            | 48         | 163         | 2     | 050   | 20977       | 0            | -54.0 | 30.6                 | 0            | 55         | 189       | 2     |
| 100   | 16562  | 0            | -56.8 |                      | 0            | 91         | 247       | 9     | 100  | 16534  | 0            | -55.2       | 30.0                 | 0            | 90         | 249         | 11    | 100   | 16554       | 0            | -55.7 | 29.9                 | 0            | 90         | 247       | 11    |
| 150   | 13989  | 0            | -55.3 |                      | 0            | 87         | 253       | 16    | 150  | 13947  | 0            | -54.3       | 27.1                 | 0            | 86         | 258         | 16    | 150   | 13971       | 0            | -54.7 | 28.2                 | 0            | 85         | 251       | 17    |
| 200   | 12151  | 0            | -54.3 |                      | 0            | 72         | 264       | 17    | 200  | 12103  | 0            | -54.3       | 15.9                 | 0            | 77         | 261         | 20    | 200   | 12130       | 0            | -53.9 | 18.3                 | 0            | 74         | 260       | 18    |
| 300   | 9480   | 0            | -39.0 |                      | 0            | 65         | 266       | 13    | 300  | 9441   | 0            | -39.8       | 10.5                 | 0            | 71         | 260         | 17    | 300   | 9461        | 0            | -39.1 | 11.5                 | 0            | 67         | 262       | 15    |
| 500   | 5769   | 0            | -11.6 | 13.7                 | 0            | 78         | 259       | 13    | 500  | 5743   | 0            | -12.8       | 13.4                 | 0            | 78         | 263         | 12    | 500   | 5755        | 0            | -12.1 | 14.8                 | 0            | 74         | 256       | 11    |
| 700   | 3110   | 0            | 3.6   | 9.3                  | 0            | 72         | 274       | 6     | 700  | 3098   | 0            | 2.4         | 10.6                 | 0            | 80         | 268         | 9     | 700   | 3102        | 0            | 3.1   | 2.2                  | 0            | 74         | 265       | 7     |
| 850   | 1508   | 0            | 12.6  | 5.7                  | 0            | 58         | 275       | 4     | 850  | 1505   | 0            | 10.8        | 5.2                  | 0            | 77         | 271         | 6     | 850   | 1506        | 0            | 11.1  | 5.9                  | 0            | 31         | 251       | 2     |
| 991   | * 200  |              | 20.7  | 6.8                  |              |            |           |       | 979  | * 303  |              | 19.6        | 7.7                  |              |            |             |       | 989   | * 216       |              | 19.4  | 8.6                  |              |            |           |       |
| <b>EUROPE - SLOVAKIA<br/>POPRAD-GANOVCE</b><br>11952 AUG 2008 4902N 02019E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - HUNGARY<br/>BUDAPEST/PESTSZENTLORINC</b><br>12843 AUG 2008 4726N 01911E OB 3 |        |              |             |                      |              |            |             |       | <b>EUROPE - HUNGARY<br/>SZEGED</b><br>12982 AUG 2008 4615N 02006E OB                      |             |              |       |                      |              |            |           |       |
| 030   | 24262  | 0            | -50.7 | 33.2                 | 0            | 82         | 103       | 4     | 030  | 24284  | 0            | -51.0       | 32.9                 | 6            | 89         | 104         | 5     | 030   | 24275       | 0            | -51.6 |                      | 4            | 91         | 91        | 6     |
| 050   | 20971  | 0            | -54.5 | 32.1                 | 0            | 45         | 179       | 2     | 050  | 20992  | 0            | -54.9       | 31.7                 | 6            | 61         | 158         | 2     | 050   | 20997       | 0            | -55.7 |                      | 4            | 77         | 138       | 3     |
| 100   | 16562  | 0            | -56.7 | 30.7                 | 0            | 91         | 249       | 12    | 100  | 16595  | 0            | -57.5       | 29.9                 | 4            | 93         | 247         | 12    | 100   | 16618       | 0            | -58.7 |                      | 1            | 94         | 250       | 13    |
| 150   | 13985  | 0            | -54.9 | 29.0                 | 0            | 90         | 255       | 18    | 150  | 14025  | 0            | -55.5       | 28.4                 | 4            | 88         | 253         | 17    | 150   | 14061       | 0            | -56.0 |                      | 1            | 89         | 255       | 18    |
| 200   | 12141  | 0            | -53.6 | 18.5                 | 0            | 79         | 265       | 19    | 200  | 12183  | 0            | -53.4       | 18.7                 | 4            | 77         | 262         | 17    | 200   | 12220       | 0            | -53.0 |                      | 1            | 80         | 259       | 17    |
| 300   | 9474   | 0            | -39.4 | 11.8                 | 0            | 68         | 266       | 15    | 300  | 9508   | 0            | -38.7       | 11.3                 | 3            | 64         | 258         | 13    | 300   | 9537        | 0            | -38.1 | 11.9                 | 1            | 66         | 273       | 11    |
| 500   | 5766   | 0            | -11.8 | 14.5                 | 0            | 74         | 261       | 11    | 500  | 5790   | 0            | -11.2       | 14.3                 | 3            | 73         | 254         | 9     | 500   | 5809        | 0            | -10.4 | 15.2                 | 1            | 72         | 266       | 8     |
| 700   | 3110   | 0            | 3.5   | 10.7                 | 0            | 69         | 252       | 6     | 700  | 3125   | 0            | 4.5         | 14.2                 | 2            | 71         | 258         | 6     | 700   | 3137        | 0            | 5.4   | 13.6                 | 1            | 71         | 264       | 5     |
| 850   | 1508   | 0            | 12.6  | 5.1                  | 0            | 64         | 233       | 3     | 850  | 1518   | 0            | 12.9        | 6.6                  | 0            | 57         | 259         | 4     | 850   | 1522        | 0            | 14.3  | 7.8                  | 0            | 46         | 261       | 3     |
| 935   | * 703  |              | 17.4  | 6.2                  |              |            |           |       | 998  | * 139  |              | 22.2        | 10.4                 |              |            |             |       | 1005  | * 83        |              | 18.1  | 6.0                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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 - CROATIA</b><br><b>ZAGREB/MAKSIMIR</b><br>14240 AUG 2008 4549N 01602E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - CROATIA</b><br><b>ZADAR RS</b><br>14430 AUG 2008 4406N 01521E OB        |        |              |             |                      |              |            |             |       | <b>EUROPE - ROMANIA</b><br><b>CLUJ-NAPOCA</b><br>15120 AUG 2008 4647N 02334E OB 1    |             |              |       |                      |              |            |           |       |  |
| 030   | 24273  | 2            | -49.9 |                      | 2            | 96         | 99        | 8     | 030   | 24221  | 28           | -51.7       |                      | 9            | 90         | 107         | 5     | 030  | 24246       | 0            | -52.0 | 33.0                 | 7            | 89         | 104       | 5     |  |
| 050   | 20969  | 2            | -54.1 |                      | 2            | 84         | 118       | 5     | 050   | 20952  | 28           | -56.4       |                      | 9            | 74         | 113         | 3     | 050  | 20976       | 0            | -56.1 | 31.0                 | 4            | 70         | 137       | 2     |  |
| 100   | 16569  | 2            | -56.9 |                      | 2            | 87         | 258       | 10    | 100   | 16604  | 28           | -60.0       |                      | 9            | 89         | 244         | 10    | 100  | 16604       | 0            | -58.8 | 28.4                 | 2            | 92         | 249       | 12    |  |
| 150   | 13984  | 2            | -53.4 |                      | 2            | 91         | 279       | 17    | 150   | 14058  | 28           | -56.9       |                      | 9            | 86         | 255         | 14    | 150  | 14046       | 0            | -55.7 | 27.4                 | 1            | 93         | 254       | 20    |  |
| 200   | 12127  | 2            | -52.7 |                      | 2            | 86         | 275       | 19    | 200   | 12220  | 28           | -52.5       |                      | 9            | 72         | 262         | 13    | 200  | 12202       | 0            | -52.3 | 21.2                 | 1            | 83         | 261       | 19    |  |
| 300   | 9459   | 2            | -40.3 |                      | 2            | 69         | 281       | 14    | 300   | 9537   | 28           | -38.9       |                      | 9            | 59         | 273         | 8     | 300  | 9518        | 0            | -38.7 | 13.2                 | 1            | 72         | 265       | 13    |  |
| 500   | 5768   | 2            | -12.6 |                      | 2            | 67         | 278       | 9     | 500   | 5822   | 28           | -10.9       |                      | 9            | 63         | 286         | 6     | 500  | 5798        | 0            | -10.9 | 17.0                 | 1            | 69         | 264       | 7     |  |
| 700   | 3120   | 2            | -3.2  |                      | 2            | 50         | 291       | 5     | 700   | 3153   | 28           | 5.8         |                      | 9            | 59         | 287         | 4     | 700  | 3131        | 0            | 5.1   | 15.1                 | 1            | 73         | 247       | 4     |  |
| 850   | 1517   | 2            | 13.0  |                      | 2            | 16         | 327       | 1     | 850   | 1533   | 28           | 16.5        |                      | 9            | 50         | 312         | 2     | 850  | 1519        | 0            | 14.3  | 6.1                  | 1            | 52         | 231       | 3     |  |
| 1000  | * 128  |              | 22.0  |                      |              |            |           |       | 1005  | * 79   |              | 24.0        |                      |              |            |             |       |  | 967         | * 414        |       | 16.1                 | 15.7         |            |           |       |  |
| <b>EUROPE - ITALY</b><br><b>PRATICA DI MARE</b><br>16245 AUG 2008 4139N 01227E OB 3   |        |              |       |                      |              |            |           |       | <b>EUROPE - ITALY</b><br><b>BRINDISI</b><br>16320 AUG 2008 4039N 01757E OB 3        |        |              |             |                      |              |            |             |       | <b>EUROPE - TURKEY</b><br><b>SAMSUN</b><br>17030 AUG 2008 4117N 03618E OB 3          |             |              |       |                      |              |            |           |       |  |
| 030   | 24205  | 0            | -51.7 | 31.1                 | 3            | 91         | 100       | 7     | 030   | 24207  | 0            | -52.2       | 31.8                 | 6            | 97         | 97          | 9     | 030  | 24216       | 0            | -53.0 | 32.9                 | 4            | 94         | 90        | 8     |  |
| 050   | 20938  | 0            | -57.2 | 29.1                 | 2            | 84         | 120       | 5     | 050   | 20953  | 0            | -58.1       | 29.2                 | 4            | 74         | 107         | 4     | 050  | 20978       | 0            | -59.9 | 29.9                 | 4            | 82         | 92        | 5     |  |
| 100   | 16618  | 0            | -61.5 | 26.2                 | 0            | 91         | 235       | 11    | 100   | 16664  | 0            | -63.3       | 23.4                 | 2            | 94         | 236         | 13    | 100  | 16733       | 0            | -65.6 | 21.6                 | 3            | 93         | 258       | 14    |  |
| 150   | 14090  | 0            | -57.9 | 24.6                 | 0            | 92         | 252       | 18    | 150   | 14147  | 0            | -57.5       | 25.2                 | 2            | 96         | 240         | 21    | 150  | 14231       | 0            | -57.5 | 26.4                 | 3            | 94         | 262       | 23    |  |
| 200   | 12257  | 0            | -52.8 | 20.7                 | 0            | 81         | 263       | 16    | 200   | 12303  | 0            | -50.9       | 23.8                 | 1            | 84         | 247         | 18    | 200  | 12371       | 0            | -46.8 | 30.6                 | 3            | 93         | 259       | 24    |  |
| 300   | 9570   | 0            | -37.8 | 16.6                 | 0            | 71         | 278       | 12    | 300   | 9591   | 0            | -36.6       | 19.1                 | 1            | 63         | 276         | 10    | 300  | 9597        | 0            | -32.7 | 28.8                 | 3            | 86         | 264       | 14    |  |
| 500   | 5837   | 0            | -9.5  | 21.9                 | 0            | 83         | 287       | 10    | 500   | 5844   | 0            | -8.8        | 20.5                 | 1            | 69         | 289         | 7     | 500  | 5828        | 0            | -7.7  | 27.4                 | 3            | 38         | 277       | 3     |  |
| 700   | 3153   | 0            | 7.2   | 17.1                 | 0            | 77         | 283       | 6     | 700   | 3152   | 0            | 8.3         | 18.9                 | 0            | 54         | 313         | 4     | 700  | 3129        | 0            | 8.5   | 14.2                 | 3            | 40         | 28        | 2     |  |
| 850   | 1526   | 0            | 17.9  | 17.6                 | 0            | 48         | 287       | 3     | 850   | 1519   | 0            | 19.2        | 15.0                 | 1            | 71         | 341         | 4     | 850  | 1497        | 0            | 16.3  | 7.1                  | 3            | 55         | 40        | 3     |  |
| 1009  | * 21   |              | 24.4  | 7.6                  |              |            |           |       | 1011  | * 10   |              | 25.1        | 5.2                  |              |            |             |       |  | 1010        | * 4          |       | 22.9                 | 3.8          |            |           |       |  |
| <b>EUROPE - TURKEY</b><br><b>ISTANBUL/GOZTEPE</b><br>17062 AUG 2008 4058N 02905E OB 3 |        |              |       |                      |              |            |           |       | <b>EUROPE - TURKEY</b><br><b>ANKARA/CENTRAL</b><br>17130 AUG 2008 3957N 03253E OB 3 |        |              |             |                      |              |            |             |       | <b>EUROPE - TURKEY</b><br><b>IZMIR/GUZELYALI</b><br>17220 AUG 2008 3826N 02710E OB 3 |             |              |       |                      |              |            |           |       |  |
| 030   | 24200  | 0            | -52.7 | 33.0                 | 1            | 95         | 89        | 8     | 030   | 24197  | 0            | -53.1       | 32.7                 | 2            | 97         | 86          | 10    | 030  | 24186       | 0            | -53.2 | 32.0                 | 1            | 95         | 87        | 10    |  |
| 050   | 20958  | 0            | -59.4 | 30.9                 | 1            | 77         | 100       | 4     | 050   | 20961  | 0            | -60.0       | 30.5                 | 1            | 81         | 107         | 5     | 050  | 20952       | 0            | -60.6 | 28.9                 | 2            | 89         | 104       | 7     |  |
| 100   | 16706  | 0            | -65.2 | 23.6                 | 1            | 94         | 243       | 14    | 100   | 16735  | 0            | -66.6       | 22.7                 | 1            | 90         | 245         | 12    | 100  | 16735       | 0            | -67.6 | 19.7                 | 1            | 92         | 236       | 12    |  |
| 150   | 14200  | 0            | -57.7 | 27.4                 | 1            | 96         | 252       | 24    | 150   | 14243  | 0            | -58.0       | 28.2                 | 1            | 95         | 255         | 24    | 150  | 14253       | 0            | -58.5 | 25.2                 | 1            | 95         | 246       | 23    |  |
| 200   | 12346  | 0            | -47.7 | 30.9                 | 1            | 93         | 251       | 23    | 200   | 12387  | 0            | -47.1       | 32.2                 | 1            | 93         | 253         | 24    | 200  | 12400       | 0            | -47.1 | 30.7                 | 1            | 95         | 245       | 23    |  |
| 300   | 9589   | 0            | -34.4 | 25.0                 | 0            | 66         | 263       | 10    | 300   | 9612   | 0            | -32.1       | 31.5                 | 1            | 84         | 256         | 14    | 300  | 9624        | 0            | -31.7 | 32.4                 | 0            | 75         | 256       | 12    |  |
| 500   | 5827   | 0            | -7.9  | 26.9                 | 1            | 46         | 291       | 4     | 500   | 5832   | 0            | -7.6        | 29.3                 | 1            | 36         | 289         | 3     | 500  | 5844        | 0            | -7.3  | 29.0                 | 0            | 35         | 299       | 2     |  |
| 700   | 3131   | 0            | 8.7   | 18.4                 | 1            | 27         | 357       | 2     | 700   | 3134   | 0            | 8.8         | 12.6                 | 1            | 58         | 315         | 4     | 700  | 3139        | 0            | 10.2  | 20.6                 | 0            | 7          | 84        | 1     |  |
| 850   | 1496   | 0            | 18.1  | 15.8                 | 1            | 88         | 56        | 8     | 850   | 1492   | 0            | 19.6        | 18.8                 | 1            | 89         | 64          | 6     | 850  | 1490        | 0            | 22.1  | 21.6                 | 0            | 71         | 33        | 4     |  |
| 1008  | * 33   |              | 23.4  | 22.6                 |              |            |           |       | 911   | * 891  |              | 21.6        | 11.8                 |              |            |             |       |  | 1005        | * 29         |       | 26.6                 | 11.4         |            |           |       |  |



# UPPER AIR

# AUGUST 2008

| 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 AUG 2008 3745N 03033E OB 3                             |        |              |       |                      |              |            |           |       | <b>EUROPE - CYPRUS</b><br><b>ATHALASSA</b><br>17607 AUG 2008 3509N 03324E OB 2                                  |        |              |             |                      |              |            |             |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>KANDALAKSHA</b><br>22217 AUG 2008 6709N 03221E OB   |             |              |       |                      |              |            |           |       |
| 030  | 24177  | 0            | -53.3 | 32.5                 | 2            | 96         | 91        | 12    | 030   | 24139  | 0            | -53.2       | 32.7                 | 8            | 97         | 99          | 12    | 030   | 24338       | 0            | -46.6 | 14.9                 | 0            | 53         | 101       | 2     |
| 050  | 20947  | 0            | -61.3 | 28.0                 | 2            | 86         | 94        | 7     | 050   | 20912  | 0            | -62.1       | 29.1                 | 0            | 65         | 98          | 11    | 050   | 20956       | 0            | -47.2 | 14.2                 | 0            | 40         | 259       | 1     |
| 100  | 16754  | 0            | -69.2 | 18.3                 | 2            | 90         | 244       | 11    | 100   | 16770  | 0            | -72.1       | 18.3                 | 0            | 63         | 221         | 6     | 100   | 16363       | 0            | -46.5 | 12.6                 | 0            | 82         | 262       | 6     |
| 150  | 14281  | 0            | -58.8 | 23.9                 | 1            | 94         | 251       | 21    | 150   | 14321  | 0            | -60.0       | 24.6                 | 0            | 84         | 251         | 12    | 150   | 13666       | 0            | -45.7 | 11.2                 | 0            | 81         | 267       | 8     |
| 200  | 12427  | 0            | -47.1 | 29.1                 | 1            | 94         | 250       | 22    | 200   | 12474  | 0            | -47.4       | 30.1                 | 0            | 90         | 252         | 14    | 200   | 11747       | 0            | -45.7 | 9.0                  | 0            | 77         | 268       | 9     |
| 300  | 9640   | 0            | -29.8 | 34.7                 | 0            | 88         | 256       | 15    | 300   | 9680   | 0            | -28.1       | 38.0                 | 0            | 91         | 257         | 13    | 300   | 9080        | 0            | -47.5 | 5.4                  | 0            | 52         | 276       | 8     |
| 500  | 5842   | 0            | -6.8  | 29.5                 | 0            | 44         | 301       | 3     | 500   | 5851   | 0            | -5.7        | 35.7                 | 0            | 48         | 235         | 4     | 500   | 5514        | 0            | -21.5 | 6.8                  | 0            | 49         | 285       | 5     |
| 700  | 3136   | 0            | 9.9   | 12.5                 | 0            | 40         | 30        | 2     | 700   | 3134   | 0            | 10.8        | 21.4                 | 0            | 16         | 328         | 1     | 700   | 2953        | 0            | -5.8  | 4.4                  | 0            | 37         | 299       | 3     |
| 850  | 1486   | 0            | 21.7  | 14.1                 | 0            | 79         | 40        | 5     | 850   | 1483   | 0            | 22.5        | 15.9                 | 0            | 49         | 338         | 2     | 850   | 1407        | 0            | 2.1   | 2.2                  | 0            | 29         | 343       | 2     |
| 899  | * 997  |              | 20.1  | 9.6                  |              |            |           |       | 987   | * 162  |              | 32.0        | 32.0                 |              |            |             |       | 1006  | * 25        |              | 10.8  | 3.5                  |              |            |           |       |
| <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>SHOJNA</b><br>22271 AUG 2008 6753N 04409E OB           |        |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>KEM'</b><br>22522 AUG 2008 6457N 03439E OB                    |        |              |             |                      |              |            |             |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>ARHANGEL'SK</b><br>22550 AUG 2008 6433N 04035E OB 3 |             |              |       |                      |              |            |           |       |
| 030  | 24332  | 0            | -46.4 | 28.8                 | 5            | 36         | 77        | 1     | 030   | 24334  | 0            | -47.9       | 20.4                 | 5            | 50         | 79          | 2     | 030   | 24310       | 0            | -46.4 | 14.9                 | 8            | 59         | 89        | 2     |
| 050  | 20951  | 0            | -47.1 | 28.1                 | 4            | 34         | 224       | 1     | 050   | 20972  | 0            | -48.1       | 18.8                 | 2            | 72         | 265         | 2     | 050   | 20929       | 0            | -48.4 | 13.7                 | 5            | 40         | 283       | 1     |
| 100  | 16364  | 0            | -46.5 | 28.7                 | 3            | 86         | 265       | 6     | 100   | 16404  | 0            | -46.9       | 14.8                 | 1            | 91         | 265         | 7     | 100   | 16361       | 0            | -47.6 | 12.6                 | 6            | 93         | 269       | 7     |
| 150  | 13671  | 0            | -45.6 | 27.7                 | 1            | 83         | 266       | 7     | 150   | 13717  | 0            | -46.1       | 11.3                 | 1            | 91         | 263         | 11    | 150   | 13679       | 0            | -46.8 | 11.4                 | 5            | 93         | 268       | 11    |
| 200  | 11756  | 0            | -45.8 | 25.2                 | 1            | 78         | 261       | 9     | 200   | 11808  | 0            | -47.5       | 8.1                  | 0            | 90         | 265         | 14    | 200   | 11773       | 0            | -46.7 | 9.4                  | 5            | 91         | 268       | 14    |
| 300  | 9091   | 0            | -47.0 | 9.0                  | 1            | 48         | 254       | 7     | 300   | 9143   | 0            | -43.7       | 7.0                  | 0            | 80         | 262         | 17    | 300   | 9104        | 0            | -47.2 | 6.0                  | 5            | 81         | 270       | 18    |
| 500  | 5515   | 0            | -20.7 | 8.4                  | 1            | 53         | 268       | 5     | 500   | 5541   | 0            | -18.4       | 7.7                  | 0            | 71         | 269         | 8     | 500   | 5531        | 0            | -20.7 | 8.3                  | 5            | 78         | 272       | 12    |
| 700  | 2946   | 0            | -5.0  | 6.1                  | 1            | 44         | 283       | 4     | 700   | 2959   | 0            | -3.5        | 3.3                  | 0            | 50         | 277         | 4     | 700   | 2965        | 0            | -4.3  | 4.5                  | 4            | 76         | 273       | 8     |
| 850  | 1395   | 0            | 2.6   | 4.0                  | 1            | 30         | 310       | 2     | 850   | 1406   | 0            | 3.7         | 2.4                  | 0            | 31         | 309         | 3     | 850   | 1409        | 0            | 4.2   | 3.0                  | 4            | 53         | 277       | 4     |
| 1007   | * 18   |              | 9.5   | 2.7                  |              |            |           |       | 1007  | * 8    |              | 11.3        | 3.0                  |              |            |             |       | 1008  | * 4         |              | 12.6  | 2.9                  |              |            |           |       |
| <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>NIZHNIJ NOVGOROD</b><br>27459 AUG 2008 5616N 04400E OB |        |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>MOSKVA (DOLGOPRUDNYJ)</b><br>27612 AUG 2008 5545N 03757E OB 0 |        |              |             |                      |              |            |             |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>SUHINICHI</b><br>27707 AUG 2008 5406N 03521E OB     |             |              |       |                      |              |            |           |       |
| 030  | 24289  | 0            | -51.0 | 31.1                 | 2            | 25         | 86        | 1     | 030   | 24277  | 0            | -50.7       | 14.1                 | 1            | 45         | 88          | 1     | 030   | 24292       | 0            | -51.0 | 15.6                 | 3            | 65         | 105       | 2     |
| 050  | 20975  | 0            | -52.2 | 31.3                 | 0            | 65         | 283       | 3     | 050   | 20967  | 0            | -52.0       | 12.7                 | 0            | 74         | 271         | 3     | 050   | 20980       | 0            | -52.6 | 13.8                 | 1            | 71         | 264       | 3     |
| 100  | 16499  | 0            | -52.5 | 31.0                 | 0            | 94         | 280       | 11    | 100   | 16493  | 0            | -52.0       | 11.5                 | 0            | 96         | 265         | 12    | 100   | 16526       | 0            | -52.9 | 11.0                 | 1            | 94         | 261       | 13    |
| 150  | 13872  | 0            | -51.5 | 30.6                 | 0            | 93         | 279       | 16    | 150   | 13859  | 0            | -50.8       | 9.5                  | 0            | 94         | 267         | 17    | 150   | 13908       | 0            | -51.4 | 9.0                  | 1            | 93         | 264       | 17    |
| 200  | 12006  | 0            | -52.3 | 21.2                 | 0            | 85         | 281       | 17    | 200   | 11991  | 0            | -52.0       | 7.0                  | 0            | 85         | 267         | 19    | 200   | 12045       | 0            | -52.3 | 7.5                  | 1            | 83         | 264       | 18    |
| 300  | 9355   | 0            | -42.3 | 10.1                 | 0            | 71         | 278       | 15    | 300   | 9334   | 0            | -41.3       | 6.4                  | 0            | 76         | 265         | 16    | 300   | 9381        | 0            | -40.1 | 7.7                  | 1            | 74         | 262       | 15    |
| 500  | 5689   | 0            | -14.4 | 12.1                 | 0            | 79         | 276       | 12    | 500   | 5663   | 0            | -14.3       | 8.8                  | 0            | 79         | 263         | 13    | 500   | 5696        | 0            | -13.3 | 10.2                 | 1            | 77         | 259       | 11    |
| 700  | 3056   | 0            | 1.8   | 9.1                  | 0            | 82         | 275       | 10    | 700   | 3037   | 0            | 1.3         | 6.0                  | 0            | 77         | 266         | 9     | 700   | 3062        | 0            | 1.9   | 6.3                  | 1            | 75         | 255       | 9     |
| 850  | 1462   | 0            | 11.1  | 7.6                  | 0            | 76         | 277       | 8     | 850   | 1454   | 0            | 10.6        | 5.3                  | 0            | 71         | 264         | 8     | 850   | 1475        | 0            | 11.8  | 6.4                  | 1            | 67         | 255       | 6     |
| 991  | * 157  |              | 18.2  | 6.1                  |              |            |           |       | 988   | * 200  |              | 16.8        | 3.9                  |              |            |             |       | 984   | * 238       |              | 18.6  | 5.2                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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 AUG 2008 5438N 03942E OB |        |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>PENZA</b><br>27962 AUG 2008 5307N 04501E OB |             |              |       |                      |              |            |           |       | <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>KURSK</b><br>34009 AUG 2008 5146N 03610E OB       |        |              |             |                      |              |            |           |       |
| 030   | 24274  | 0            | -51.3 | 16.2                 | 4            | 38         | 102       | 1     | 030   | 24285       | 0            | -50.7 | 14.3                 | 1            | 61         | 61        | 2     | 030   | 24305  | 0            | -51.2       | 12.7                 | 1            | 76         | 98        | 3     |
| 050   | 20970  | 0            | -52.5 | 13.7                 | 4            | 75         | 271       | 3     | 050   | 20986       | 0            | -53.1 | 12.9                 | 1            | 55         | 282       | 2     | 050   | 21014  | 0            | -53.7       | 11.7                 | 1            | 57         | 270       | 2     |
| 100   | 16508  | 0            | -52.7 | 10.9                 | 4            | 95         | 268       | 14    | 100   | 16544       | 0            | -54.1 | 11.0                 | 1            | 92         | 270       | 13    | 100   | 16587  | 0            | -54.6       | 10.5                 | 0            | 95         | 267       | 14    |
| 150   | 13884  | 0            | -51.1 | 8.8                  | 4            | 93         | 268       | 17    | 150   | 13933       | 0            | -52.0 | 9.7                  | 1            | 93         | 271       | 18    | 150   | 13984  | 0            | -52.1       | 9.5                  | 0            | 94         | 268       | 19    |
| 200   | 12018  | 0            | -52.0 | 7.1                  | 4            | 79         | 270       | 18    | 200   | 12072       | 0            | -52.1 | 8.0                  | 1            | 79         | 270       | 17    | 200   | 12119  | 0            | -51.6       | 7.6                  | 0            | 82         | 271       | 17    |
| 300   | 9361   | 0            | -40.6 | 7.4                  | 4            | 71         | 266       | 16    | 300   | 9407        | 0            | -40.4 | 8.4                  | 1            | 71         | 272       | 14    | 300   | 9440   | 0            | -39.1       | 7.9                  | 0            | 68         | 268       | 13    |
| 500   | 5683   | 0            | -13.8 | 10.4                 | 3            | 81         | 264       | 13    | 500   | 5715        | 0            | -13.0 | 12.0                 | 0            | 78         | 261       | 11    | 500   | 5739   | 0            | -11.7       | 12.3                 | 0            | 73         | 264       | 10    |
| 700   | 3058   | 0            | 1.6   | 7.0                  | 3            | 75         | 260       | 9     | 700   | 3077        | 0            | 2.8   | 10.3                 | 0            | 77         | 262       | 8     | 700   | 3089   | 0            | 3.7         | 10.1                 | 0            | 72         | 260       | 7     |
| 850   | 1471   | 0            | 11.5  | 6.6                  | 3            | 66         | 266       | 7     | 850   | 1483        | 0            | 12.9  | 9.1                  | 0            | 65         | 256       | 6     | 850   | 1491   | 0            | 14.3        | 10.0                 | 1            | 54         | 256       | 4     |
| 992   | * 158  |              | 18.8  | 18.6                 |              |            |           |       | 992   | * 172       |              | 20.5  | 9.1                  |              |            |           |       | 984   | * 247  |              | 21.2        | 11.3                 |              |            |           |       |
| <b>EUROPE - RUSSIAN FEDERATION (EUROPE)</b><br><b>VORONEZ</b><br>34122 AUG 2008 5139N 03915E OB |        |              |       |                      |              |            |           |       | <b>EUROPE - BELARUS</b><br><b>GOMEL</b><br>33041 AUG 2008 5224N 03057E OB                     |             |              |       |                      |              |            |           |       | <b>EUROPE - UKRAINE</b><br><b>KIEV</b><br>33345 AUG 2008 5024N 03034E OB 3                          |        |              |             |                      |              |            |           |       |
| 030   | 24267  | 0            | -52.2 | 13.2                 | 1            | 77         | 85        | 2     | 030   |             | 0            | -47.0 | 11.8                 | 9            | 72         | 81        | 3     | 030   |        | 0            | -47.7       | 13.1                 | 9            | 84         | 90        | 4     |
| 050   | 20987  | 0            | -54.2 | 12.3                 | 1            | 54         | 271       | 2     | 050   |             | 0            | -50.8 | 10.6                 | 9            | 85         | 94        | 4     | 050   |        | 0            | -50.6       | 12.4                 | 9            | 85         | 101       | 4     |
| 100   | 16575  | 0            | -55.1 | 11.0                 | 1            | 94         | 265       | 14    | 100   |             | 0            | -54.5 | 9.1                  | 9            | 91         | 260       | 6     | 100   |        | 0            | -55.0       | 10.8                 | 3            | 88         | 253       | 6     |
| 150   | 13966  | 0            | -52.0 | 9.8                  | 1            | 93         | 266       | 19    | 150   |             | 0            | -54.5 | 8.6                  | 9            | 95         | 261       | 13    | 150   |        | 0            | -55.3       | 10.5                 | 2            | 95         | 257       | 13    |
| 200   | 12101  | 0            | -51.4 | 8.1                  | 0            | 84         | 269       | 18    | 200   |             | 0            | -53.0 | 7.6                  | 9            | 93         | 262       | 17    | 200   |        | 0            | -53.1       | 10.3                 | 1            | 94         | 260       | 19    |
| 300   | 9428   | 0            | -39.5 | 8.9                  | 0            | 67         | 265       | 12    | 300   |             | 0            | -52.5 | 6.2                  | 9            | 81         | 266       | 18    | 300   |        | 0            | -51.0       | 9.5                  | 1            | 87         | 266       | 18    |
| 500   | 5731   | 0            | -12.1 | 12.2                 | 0            | 72         | 261       | 10    | 500   | 5708        | 0            | -13.3 | 9.8                  | 9            | 61         | 258       | 9     | 500   | 5761   | 0            | -12.2       | 13.1                 | 0            | 73         | 268       | 10    |
| 700   | 3084   | 0            | 3.4   | 10.0                 | 0            | 67         | 256       | 7     | 700   | 3071        | 0            | 3.1   | 8.2                  | 9            | 65         | 254       | 7     | 700   | 3108   | 0            | 3.3         | 11.9                 | 0            | 70         | 263       | 6     |
| 850   | 1488   | 0            | 13.5  | 10.7                 | 0            | 44         | 246       | 4     | 850   | 1483        | 0            | 11.3  | 5.1                  | 9            | 65         | 253       | 7     | 850   | 1509   | 0            | 12.7        | 10.6                 | 0            | 57         | 266       | 4     |
| 1000  | * 104  |              | 21.8  | 12.2                 |              |            |           |       | 998   | * 126       |              | 16.7  | 4.3                  |              |            |           |       | 994   | * 167  |              | 22.3        | 10.0                 |              |            |           |       |
| <b>EUROPE - ISRAEL</b><br><b>BET DAGAN</b><br>40179 AUG 2008 3200N 03449E OB 3                  |        |              |       |                      |              |            |           |       | <b>EUROPE - JORDAN</b><br><b>MAFRAQ</b><br>40265 AUG 2008 3222N 03615E OB 3                   |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>OSTROV DIKSON</b><br>20674 AUG 2008 7330N 08024E OB 3 |        |              |             |                      |              |            |           |       |
| 030   |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       | 030   | 24359  | 0            | -45.7       | 23.7                 | 0            | 66         | 87        | 3     |
| 050   | 20887  | 0            | -62.4 | 25.9                 | 9            | 98         | 94        | 13    | 050   | 20938       | 2            | -62.3 |                      | 3            | 98         | 93        | 12    | 050   | 20961  | 0            | -45.9       | 23.5                 | 0            | 24         | 147       | 1     |
| 100   | 16780  | 0            | -74.1 | 12.6                 | 0            | 63         | 152       | 5     | 100   | 16812       | 0            | -73.2 |                      | 0            | 69         | 163       | 8     | 100   | 16329  | 0            | -45.6       | 21.8                 | 0            | 48         | 226       | 2     |
| 150   | 14350  | 0            | -60.9 | 21.3                 | 0            | 58         | 228       | 6     | 150   | 14373       | 0            | -60.6 |                      | 0            | 59         | 243       | 10    | 150   | 13624  | 0            | -45.2       | 17.7                 | 0            | 47         | 239       | 3     |
| 200   | 12510  | 0            | -48.0 | 16.9                 | 0            | 75         | 249       | 7     | 200   | 12536       | 0            | -47.6 |                      | 0            | 71         | 248       | 10    | 200   | 11704  | 0            | -45.8       | 11.5                 | 0            | 45         | 240       | 4     |
| 300   | 9719   | 0            | -28.0 | 20.3                 | 0            | 90         | 252       | 10    | 300   | 9732        | 0            | -28.2 |                      | 0            | 91         | 249       | 11    | 300   | 9042   | 0            | -46.8       | 7.6                  | 0            | 22         | 254       | 3     |
| 500   | 5869   | 0            | -4.7  | 20.9                 | 0            | 74         | 233       | 6     | 500   | 5880        | 0            | -5.1  | 29.9                 | 0            | 75         | 228       | 9     | 500   | 5472   | 0            | -21.3       | 9.1                  | 0            | 17         | 256       | 2     |
| 700   | 3138   | 0            | 12.7  | 18.6                 | 0            | 66         | 227       | 5     | 700   | 3146        | 0            | 13.7  | 23.2                 | 0            | 51         | 216       | 7     | 700   | 2915   | 0            | -6.2        | 7.6                  | 0            | 17         | 225       | 1     |
| 850   | 1480   | 0            | 22.4  | 21.8                 | 0            | 73         | 310       | 4     | 850   | 1484        | 0            | 23.5  | 20.3                 | 0            | 92         | 302       | 8     | 850   | 1376   | 0            | .3          | 4.9                  | 0            | 22         | 134       | 2     |
| 1002  | * 35   |              | 28.3  | 7.0                  |              |            |           |       | 932   | * 683       |              | 22.5  | 5.4                  |              |            |           |       | 1001  | * 47   |              | 7.1         | 3.6                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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 AUG 2008 7135N 12850E OB            |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>NAR'JAN-MAR</b><br>23205 AUG 2008 6738N 05302E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>SALEHARD</b><br>23330 AUG 2008 6632N 06640E OB 3   |        |              |             |                      |              |            |           |       |
| 030  | 24343  | 0            | -46.5 | 20.6                 | 0            | 51         | 88        | 2     | 030   | 24262       | 0            | -47.4 | 32.0                 | 0            | 48         | 62        | 2     | 030  | 24280  | 0            | -47.5       | 16.8                 | 9            | 52         | 52        | 2     |
| 050  | 20974  | 0            | -47.8 | 18.9                 | 0            | 11         | 230       |       | 050   | 20946       | 0            | -47.8 | 32.6                 | 0            | 26         | 280       | 1     | 050  | 20921  | 0            | -47.7       | 17.1                 | 7            | 37         | 303       | 1     |
| 100  | 16412  | 0            | -47.7 | 15.3                 | 0            | 76         | 249       | 5     | 100   | 16360       | 0            | -46.5 | 32.8                 | 0            | 84         | 271       | 6     | 100  | 16353  | 0            | -46.3       | 13.8                 | 3            | 67         | 281       | 4     |
| 150  | 13733  | 0            | -47.4 | 11.1                 | 0            | 76         | 248       | 6     | 150   | 13666       | 0            | -45.9 | 33.0                 | 0            | 82         | 268       | 8     | 150  | 13661  | 0            | -45.7       | 11.2                 | 1            | 70         | 275       | 6     |
| 200  | 11836  | 0            | -48.8 | 7.7                  | 0            | 72         | 246       | 8     | 200   | 11750       | 0            | -46.3 | 31.2                 | 0            | 75         | 266       | 9     | 200  | 11748  | 0            | -46.8       | 8.1                  | 1            | 68         | 275       | 8     |
| 300  | 9189   | 0            | -44.9 | 6.5                  | 0            | 56         | 235       | 9     | 300   | 9089        | 0            | -46.9 | 10.7                 | 0            | 53         | 258       | 9     | 300  | 9101   | 0            | -45.3       | 5.9                  | 0            | 51         | 267       | 9     |
| 500  | 5577   | 0            | -17.7 | 8.9                  | 0            | 55         | 229       | 5     | 500   | 5506        | 0            | -20.5 | 12.2                 | 0            | 56         | 276       | 5     | 500  | 5502   | 0            | -19.0       | 6.9                  | 0            | 49         | 269       | 5     |
| 700  | 2984   | 0            | -1.8  | 2.7                  | 0            | 58         | 216       | 4     | 700   | 2935        | 0            | -4.6  | 8.7                  | 0            | 47         | 284       | 4     | 700  | 2924   | 0            | -3.7        | 6.4                  | 0            | 38         | 274       | 3     |
| 850  | 1420   | 0            | 6.5   | 5.0                  | 0            | 39         | 171       | 3     | 850   | 1384        | 0            | 2.6   | 5.5                  | 0            | 38         | 285       | 3     | 850  | 1375   | 0            | 3.3         | 2.7                  | 0            | 22         | 304       | 2     |
| 1008   | * 7    |              | 12.0  | 2.8                  |              |            |           |       | 1005  | * 12        |              | 9.8   | 5.4                  |              |            |           |       | 1003   | * 16   |              | 11.2        | 3.4                  |              |            |           |       |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>TURUHANSK</b><br>23472 AUG 2008 6547N 08756E OB 3      |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>SYKTYVKAR</b><br>23804 AUG 2008 6140N 05051E OB 3   |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>IVDEL'</b><br>23921 AUG 2008 6041N 06027E OB       |        |              |             |                      |              |            |           |       |
| 030  | 24381  | 0            | -46.0 | 16.0                 | 0            | 54         | 88        | 2     | 030   | 24330       | 0            | -48.5 | 14.4                 | 2            | 36         | 56        | 1     | 030  | 24308  | 0            | -48.7       | 14.5                 | 1            | 57         | 30        | 2     |
| 050  | 20999  | 0            | -47.5 | 14.7                 | 0            | 29         | 110       | 1     | 050   | 20983       | 0            | -49.6 | 13.2                 | 2            | 60         | 285       | 3     | 050  | 20962  | 0            | -49.5       | 13.2                 | 0            | 65         | 291       | 3     |
| 100  | 16409  | 0            | -46.4 | 13.1                 | 0            | 55         | 245       | 2     | 100   | 16432       | 0            | -49.0 | 11.4                 | 1            | 92         | 280       | 10    | 100  | 16428  | 0            | -48.7       | 11.3                 | 0            | 87         | 284       | 10    |
| 150  | 13712  | 0            | -45.6 | 11.3                 | 0            | 67         | 250       | 5     | 150   | 13771       | 0            | -48.8 | 9.6                  | 1            | 93         | 277       | 15    | 150  | 13763  | 0            | -48.4       | 9.4                  | 0            | 88         | 284       | 14    |
| 200  | 11794  | 0            | -46.2 | 8.7                  | 0            | 64         | 248       | 6     | 200   | 11882       | 0            | -49.8 | 7.3                  | 1            | 88         | 274       | 19    | 200  | 11879  | 0            | -50.7       | 6.7                  | 0            | 83         | 287       | 19    |
| 300  | 9128   | 0            | -45.8 | 5.7                  | 0            | 50         | 239       | 9     | 300   | 9214        | 0            | -42.9 | 6.5                  | 1            | 84         | 274       | 22    | 300  | 9225   | 0            | -42.4       | 5.6                  | 0            | 78         | 288       | 20    |
| 500  | 5527   | 0            | -19.2 | 8.2                  | 0            | 51         | 248       | 6     | 500   | 5576        | 0            | -17.3 | 7.8                  | 0            | 84         | 272       | 14    | 500  | 5581   | 0            | -16.1       | 7.6                  | 0            | 79         | 284       | 14    |
| 700  | 2946   | 0            | -4.1  | 5.4                  | 0            | 46         | 251       | 4     | 700   | 2980        | 0            | -2.3  | 5.8                  | 0            | 80         | 276       | 10    | 700  | 2977   | 0            | -1.0        | 4.9                  | 0            | 75         | 286       | 9     |
| 850  | 1390   | 0            | 4.3   | 3.2                  | 0            | 35         | 255       | 3     | 850   | 1412        | 0            | 5.9   | 2.2                  | 0            | 69         | 281       | 6     | 850  | 1409   | 0            | 7.2         | 3.0                  | 0            | 59         | 289       | 6     |
| 1001   | * 38   |              | 12.5  | 3.9                  |              |            |           |       | 993   | * 116       |              | 14.0  | 3.2                  |              |            |           |       | 996  | * 95   |              | 14.1        | 3.5                  |              |            |           |       |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>HANTY-MANSIJSK</b><br>23933 AUG 2008 6101N 06902E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>OLENEK</b><br>24125 AUG 2008 6830N 11220E OB 3      |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>VERHOJANSK</b><br>24266 AUG 2008 6734N 13320E OB 3 |        |              |             |                      |              |            |           |       |
| 030  | 24361  | 0            | -48.3 | 19.0                 | 2            | 41         | 42        | 2     | 030   | 24294       | 0            | -47.8 | 14.2                 | 3            | 73         | 95        | 3     | 030  | 24346  | 0            | -47.8       | 13.5                 | 0            | 68         | 82        | 3     |
| 050  | 21009  | 0            | -49.3 | 17.9                 | 2            | 64         | 304       | 3     | 050   | 20945       | 0            | -48.7 | 13.0                 | 3            | 48         | 162       | 2     | 050  | 20993  | 0            | -49.0       | 14.0                 | 0            | 23         | 58        | 1     |
| 100  | 16454  | 0            | -48.1 | 13.9                 | 0            | 81         | 289       | 8     | 100   | 16392       | 0            | -47.7 | 10.4                 | 3            | 82         | 212       | 5     | 100  | 16463  | 0            | -49.1       | 11.5                 | 0            | 58         | 251       | 4     |
| 150  | 13779  | 0            | -47.3 | 10.4                 | 0            | 82         | 292       | 11    | 150   | 13715       | 0            | -47.2 | 8.0                  | 3            | 75         | 214       | 6     | 150  | 13800  | 0            | -48.8       | 8.8                  | 0            | 68         | 247       | 6     |
| 200  | 11883  | 0            | -49.3 | 7.7                  | 0            | 81         | 293       | 16    | 200   | 11816       | 0            | -48.9 | 6.1                  | 3            | 62         | 215       | 7     | 200  | 11917  | 0            | -51.2       | 7.1                  | 0            | 69         | 243       | 10    |
| 300  | 9221   | 0            | -43.9 | 6.5                  | 0            | 72         | 293       | 16    | 300   | 9165        | 0            | -44.1 | 5.5                  | 3            | 31         | 204       | 5     | 300  | 9266   | 0            | -42.3       | 7.2                  | 0            | 62         | 242       | 10    |
| 500  | 5589   | 0            | -17.1 | 9.0                  | 0            | 70         | 286       | 11    | 500   | 5547        | 0            | -17.5 | 6.7                  | 3            | 45         | 202       | 4     | 500  | 5617   | 0            | -15.7       | 9.4                  | 0            | 64         | 236       | 6     |
| 700  | 2990   | 0            | -2.0  | 6.9                  | 0            | 67         | 282       | 8     | 700   | 2955        | 0            | -2.2  | 4.5                  | 3            | 41         | 207       | 3     | 700  | 3008   | 0            | -4          | 5.1                  | 0            | 54         | 223       | 3     |
| 850  | 1419   | 0            | 6.5   | 3.2                  | 0            | 56         | 268       | 5     | 850   | 1394        | 0            | 5.5   | 4.0                  | 3            | 25         | 174       | 2     | 850  | 1429   | 0            | 11.0        | 7.4                  | 0            | 45         | 191       | 2     |
| 1000   | * 46   |              | 13.9  | 3.7                  |              |            |           |       | 982   | * 220       |              | 11.7  | 4.8                  |              |            |           |       | 991  | * 138  |              | 15.5        | 5.3                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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>ZHIGANSK</b><br>24343 AUG 2008 6646N 12320E OB  |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>TURA</b><br>24507 AUG 2008 6416N 10010E OB 3            |        |              |             |                      |              |            |             |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>VANAVARA</b><br>24908 AUG 2008 6020N 10210E OB   |             |              |       |                      |              |            |           |       |  |
| 030   | 24288  | 0            | -48.1 | 14.2                 | 4            | 61         | 93        | 2     | 030   | 24317  | 0            | -47.3       | 19.4                 | 0            | 74         | 93          | 2     | 030  | 24351       | 0            | -47.4 | 20.2                 | 3            | 71         | 102       | 3     |  |
| 050   | 20962  | 0            | -49.0 | 13.0                 | 2            | 24         | 186       | 1     | 050   | 20957  | 0            | -48.8       | 18.2                 | 0            | 48         | 152         | 2     | 050  | 20994       | 0            | -49.5 | 17.7                 | 3            | 31         | 174       | 1     |  |
| 100   | 16433  | 0            | -48.6 | 11.0                 | 1            | 69         | 229       | 4     | 100   | 16392  | 0            | -47.7       | 15.8                 | 0            | 65         | 226         | 3     | 100  | 16455       | 0            | -48.8 | 14.3                 | 3            | 66         | 248       | 4     |  |
| 150   | 13766  | 0            | -48.0 | 9.2                  | 0            | 69         | 229       | 7     | 150   | 13734  | 0            | -46.6       | 12.1                 | 0            | 70         | 229         | 5     | 150  | 13784       | 0            | -47.3 | 10.9                 | 3            | 70         | 252       | 7     |  |
| 200   | 11878  | 0            | -50.4 | 6.3                  | 0            | 65         | 231       | 10    | 200   | 11821  | 0            | -47.5       | 8.1                  | 0            | 62         | 234         | 7     | 200  | 11884       | 0            | -48.4 | 8.2                  | 3            | 60         | 257       | 8     |  |
| 300   | 9228   | 0            | -43.0 | 5.3                  | 0            | 56         | 230       | 10    | 300   | 9164   | 0            | -45.3       | 6.3                  | 0            | 34         | 225         | 6     | 300  | 9215        | 0            | -44.0 | 6.8                  | 3            | 42         | 248       | 8     |  |
| 500   | 5593   | 0            | -16.6 | 8.2                  | 0            | 59         | 217       | 6     | 500   | 5551   | 0            | -18.7       | 7.4                  | 0            | 45         | 239         | 5     | 500  | 5587        | 0            | -17.4 | 8.1                  | 3            | 55         | 262       | 6     |  |
| 700   | 2993   | 0            | -1.4  | 5.5                  | 0            | 57         | 202       | 4     | 700   | 2965   | 0            | -3.2        | 5.4                  | 0            | 50         | 257         | 4     | 700  | 2985        | 0            | -2.0  | 5.5                  | 3            | 60         | 272       | 4     |  |
| 850   | 1424   | 0            | 8.1   | 4.7                  | 0            | 45         | 190       | 3     | 850   | 1404   | 0            | 5.3         | 3.1                  | 0            | 41         | 264         | 3     | 850  | 1416        | 0            | 6.5   | 6.2                  | 3            | 51         | 267       | 3     |  |
| 999   | * 92   |              | 13.7  | 3.8                  |              |            |           |       | 985   | * 168  |              | 11.7        | 3.6                  |              |            |             |       |  | 977         | * 260        |       | 12.1                 | 2.3          |            |           |       |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>JAKUTSK</b><br>24959 AUG 2008 6201N 12940E OB 0 |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ZYRYANKA</b><br>25400 AUG 2008 6544N 15050E OB          |        |              |             |                      |              |            |             |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>SEJMCHAN</b><br>25703 AUG 2008 6255N 15220E OB 3 |             |              |       |                      |              |            |           |       |  |
| 030   | 24287  | 0            | -48.5 | 17.4                 | 1            | 81         | 87        | 4     | 030   | 24312  | 0            | -47.8       | 24.0                 | 0            | 64         | 71          | 2     | 030  | 24269       | 0            | -48.7 | 13.2                 | 0            | 69         | 72        | 3     |  |
| 050   | 20945  | 0            | -50.6 | 15.4                 | 1            | 43         | 92        | 2     | 050   | 20961  | 0            | -49.6       | 21.7                 | 0            | 41         | 29          | 2     | 050  | 20933       | 0            | -50.6 | 12.1                 | 0            | 43         | 30        | 2     |  |
| 100   | 16433  | 0            | -50.8 | 12.0                 | 1            | 51         | 248       | 3     | 100   | 16442  | 0            | -50.1       | 16.7                 | 0            | 63         | 300         | 5     | 100  | 16439       | 0            | -51.3 | 10.4                 | 0            | 66         | 303       | 5     |  |
| 150   | 13792  | 0            | -50.5 | 9.8                  | 1            | 54         | 243       | 5     | 150   | 13792  | 0            | -49.4       | 12.0                 | 0            | 67         | 296         | 7     | 150  | 13805       | 0            | -50.8 | 8.6                  | 0            | 69         | 297       | 8     |  |
| 200   | 11922  | 0            | -52.5 | 8.0                  | 1            | 51         | 242       | 8     | 200   | 11915  | 0            | -51.3       | 8.2                  | 0            | 61         | 293         | 11    | 200  | 11943       | 0            | -52.5 | 6.5                  | 0            | 71         | 299       | 12    |  |
| 300   | 9277   | 0            | -43.3 | 8.0                  | 1            | 36         | 230       | 7     | 300   | 9262   | 0            | -41.8       | 8.3                  | 0            | 54         | 297         | 11    | 300  | 9289        | 0            | -41.7 | 6.3                  | 0            | 55         | 306       | 9     |  |
| 500   | 5634   | 0            | -15.9 | 10.0                 | 0            | 56         | 221       | 5     | 500   | 5614   | 0            | -15.9       | 12.2                 | 0            | 55         | 291         | 6     | 500  | 5633        | 0            | -15.2 | 8.3                  | 0            | 40         | 305       | 4     |  |
| 700   | 3017   | 0            | 50.0  | 5.8                  | 0            | 56         | 212       | 4     | 700   | 3008   | 0            | -6          | 7.9                  | 0            | 44         | 273         | 3     | 700  | 3024        | 0            | -.5   | 4.4                  | 0            | 29         | 279       | 2     |  |
| 850   | 1432   | 0            | 9.6   | 5.8                  | 0            | 38         | 194       | 3     | 850   | 1434   | 0            | 9.0         | 6.9                  | 0            | 35         | 206         | 2     | 850  | 1449        | 0            | 9.8   | 5.7                  | 0            | 23         | 195       | 1     |  |
| 995   | * 101  |              | 16.9  | 16.7                 |              |            |           |       | 1004  | * 43   |              | 15.1        | 4.2                  |              |            |             |       |  | 985         | * 205        |       | 15.6                 | 6.2          |            |           |       |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>MAGADAN</b><br>25913 AUG 2008 5933N 15040E OB   |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>VERHNEE DUBROVO</b><br>28445 AUG 2008 5644N 06104E OB 0 |        |              |             |                      |              |            |             |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>OMSK</b><br>28698 AUG 2008 5456N 07324E OB 3     |             |              |       |                      |              |            |           |       |  |
| 030   | 24269  | 0            | -48.8 | 13.3                 | 0            | 75         | 76        | 3     | 030   | 24333  | 0            | -49.2       | 12.4                 | 0            | 54         | 38          | 2     | 030  | 24233       | 0            | -49.7 | 13.3                 | 9            | 75         | 20        | 3     |  |
| 050   | 20940  | 0            | -51.5 | 12.1                 | 0            | 50         | 40        | 2     | 050   | 21001  | 0            | -51.3       | 11.2                 | 0            | 67         | 296         | 3     | 050  | 20919       | 0            | -52.1 | 11.6                 | 9            | 88         | 325       | 4     |  |
| 100   | 16468  | 0            | -52.6 | 10.1                 | 0            | 68         | 294       | 5     | 100   | 16495  | 0            | -50.9       | 9.4                  | 0            | 88         | 288         | 10    | 100  | 16440       | 0            | -50.8 | 9.8                  | 9            | 94         | 297       | 11    |  |
| 150   | 13847  | 0            | -51.9 | 8.4                  | 0            | 64         | 288       | 8     | 150   | 13857  | 0            | -50.3       | 7.5                  | 0            | 88         | 289         | 16    | 150  | 13799       | 0            | -50.3 | 8.2                  | 9            | 89         | 296       | 14    |  |
| 200   | 11990  | 0            | -52.8 | 6.4                  | 0            | 55         | 290       | 10    | 200   | 11988  | 0            | -52.8       | 5.4                  | 0            | 83         | 292         | 19    | 200  | 11925       | 0            | -51.7 | 7.2                  | 9            | 83         | 299       | 18    |  |
| 300   | 9323   | 0            | -40.1 | 6.7                  | 0            | 33         | 297       | 5     | 300   | 9334   | 0            | -41.8       | 5.3                  | 0            | 79         | 297         | 17    | 300  | 9277        | 0            | -42.9 | 6.9                  | 9            | 76         | 304       | 16    |  |
| 500   | 5650   | 0            | -13.9 | 10.0                 | 0            | 32         | 303       | 3     | 500   | 5668   | 0            | -14.7       | 6.3                  | 0            | 82         | 291         | 14    | 500  | 5631        | 0            | -15.9 | 9.6                  | 8            | 79         | 296       | 12    |  |
| 700   | 3027   | 0            | .7    | 5.9                  | 0            | 14         | 50        | 1     | 700   | 3040   | 0            | .9          | 5.6                  | 0            | 78         | 286         | 11    | 700  | 3022        | 0            | 50.0  | 7.5                  | 8            | 75         | 292       | 9     |  |
| 850   | 1451   | 0            | 8.3   | 4.7                  | 0            | 18         | 76        | 1     | 850   | 1453   | 0            | 9.7         | 3.5                  | 0            | 79         | 285         | 9     | 850  | 1450        | 0            | 8.7   | 6.5                  | 8            | 57         | 284       | 5     |  |
| 998   | * 116  |              | 13.2  | 2.8                  |              |            |           |       | 976   | * 290  |              | 15.7        | 3.5                  |              |            |             |       |  | 1000        | * 90         |       | 17.0                 | 16.1         |            |           |       |  |

# UPPER AIR

# AUGUST 2008

| 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>KOLPASEVO</b><br>29231 AUG 2008 5819N 08257E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>EMEL'JANOVO</b><br>29572 AUG 2008 5611N 09237E OB 0 |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>NOVOSIBIRSK</b><br>29634 AUG 2008 5505N 08254E OB |        |              |             |                      |              |            |           |       |  |
| 030   | 24319  | 0            | -48.7 | 15.4                 | 0            | 58         | 45        | 2     | 030   | 24304       | 0            | -48.4 | 12.1                 | 1            | 47         | 86        | 2     | 030   | 24345  | 0            | -48.0       | 15.7                 | 0            | 48         | 70        | 2     |  |
| 050   | 20986  | 0            | -50.3 | 14.0                 | 0            | 43         | 297       | 1     | 050   | 20966       | 0            | -50.8 | 11.3                 | 1            | 30         | 254       | 1     | 050   | 21002  | 0            | -50.8       | 14.3                 | 0            | 59         | 308       | 2     |  |
| 100   | 16458  | 0            | -49.0 | 12.1                 | 0            | 85         | 274       | 7     | 100   | 16455       | 0            | -50.5 | 10.1                 | 0            | 89         | 268       | 8     | 100   | 16493  | 0            | -50.6       | 12.8                 | 0            | 93         | 279       | 11    |  |
| 150   | 13790  | 0            | -47.8 | 10.0                 | 0            | 83         | 274       | 11    | 150   | 13799       | 0            | -48.9 | 9.0                  | 0            | 88         | 90        | 13    | 150   | 13847  | 0            | -49.4       | 10.5                 | 0            | 91         | 277       | 15    |  |
| 200   | 11894  | 0            | -48.6 | 7.7                  | 0            | 76         | 275       | 13    | 200   | 11910       | 0            | -49.3 | 7.1                  | 0            | 83         | 268       | 14    | 200   | 11965  | 0            | -49.9       | 7.8                  | 0            | 82         | 276       | 18    |  |
| 300   | 9223   | 0            | -43.3 | 6.8                  | 0            | 66         | 273       | 13    | 300   | 9251        | 0            | -44.4 | 5.5                  | 0            | 76         | 269       | 14    | 300   | 9305   | 0            | -42.5       | 6.9                  | 0            | 74         | 282       | 17    |  |
| 500   | 5595   | 0            | -17.6 | 8.7                  | 0            | 66         | 269       | 8     | 500   | 5623        | 0            | -17.0 | 8.1                  | 0            | 81         | 267       | 9     | 500   | 5651   | 0            | -15.6       | 9.4                  | 0            | 72         | 276       | 11    |  |
| 700   | 2996   | 0            | -1.9  | 2.8                  | 0            | 65         | 270       | 6     | 700   | 3015        | 0            | -9    | 7.6                  | 0            | 80         | 270       | 7     | 700   | 3032   | 0            | .0          | 8.8                  | 0            | 69         | 276       | 7     |  |
| 850   | 1427   | 0            | 6.4   | 5.0                  | 0            | 62         | 271       | 6     | 850   | 1439        | 0            | 8.2   | 4.5                  | 0            | 71         | 266       | 5     | 850   | 1451   | 0            | 9.1         | 6.5                  | 0            | 56         | 279       | 4     |  |
| 999   | * 75   |              | 13.8  | 3.9                  |              |            |           |       | 985   | * 206       |              | 14.0  | 4.3                  |              |            |           |       |   | 993    | * 176        |             | 16.4                 | 6.1          |            |           |       |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>HAKASSKAJA</b><br>29862 AUG 2008 5346N 09119E OB  |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>KIRENSK</b><br>30230 AUG 2008 5746N 10800E OB 0     |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>CHARA</b><br>30372 AUG 2008 5654N 11810E OB       |        |              |             |                      |              |            |           |       |  |
| 030   | 24313  | 0            | -48.8 | 17.8                 | 0            | 50         | 82        | 2     | 030   | 24326       | 0            | -48.5 | 19.8                 | 0            | 64         | 87        | 2     | 030   | 24290  | 0            | -49.3       | 19.0                 | 0            | 82         | 84        | 3     |  |
| 050   | 20978  | 0            | -51.3 | 14.8                 | 0            | 43         | 283       | 1     | 050   | 20985       | 0            | -50.9 | 17.3                 | 0            | 26         | 360       | 1     | 050   | 20954  | 0            | -51.9       | 16.3                 | 0            | 28         | 107       | 1     |  |
| 100   | 16486  | 0            | -51.4 | 11.8                 | 0            | 91         | 272       | 10    | 100   | 16478       | 0            | -50.0 | 13.9                 | 0            | 74         | 251       | 6     | 100   | 16467  | 0            | -51.4       | 12.5                 | 0            | 70         | 250       | 5     |  |
| 150   | 13847  | 0            | -49.8 | 9.6                  | 0            | 89         | 270       | 15    | 150   | 13819       | 0            | -48.4 | 11.0                 | 0            | 74         | 253       | 9     | 150   | 13826  | 0            | -50.0       | 9.4                  | 0            | 70         | 253       | 9     |  |
| 200   | 11963  | 0            | -50.4 | 7.9                  | 0            | 84         | 270       | 17    | 200   | 11925       | 0            | -49.2 | 8.3                  | 0            | 64         | 252       | 11    | 200   | 11950  | 0            | -51.3       | 6.2                  | 0            | 62         | 251       | 12    |  |
| 300   | 9307   | 0            | -42.7 | 7.7                  | 0            | 80         | 270       | 17    | 300   | 9256        | 0            | -43.1 | 7.5                  | 0            | 54         | 242       | 11    | 300   | 9284   | 0            | -41.6       | 5.6                  | 0            | 50         | 243       | 10    |  |
| 500   | 5655   | 0            | -15.9 | 10.2                 | 0            | 85         | 267       | 11    | 500   | 5617        | 0            | -16.5 | 9.8                  | 0            | 59         | 255       | 7     | 500   | 5624   | 0            | -15.2       | 8.5                  | 0            | 45         | 254       | 5     |  |
| 700   | 3036   | 0            | .3    | 7.0                  | 0            | 82         | 267       | 7     | 700   | 3009        | 0            | -1.6  | 2.3                  | 0            | 66         | 262       | 6     | 700   | 3000   | 0            | -.5         | 3.7                  | 0            | 31         | 268       | 2     |  |
| 850   | 1450   | 0            | 10.6  | 8.0                  | 0            | 47         | 271       | 3     | 850   | 1436        | 0            | 8.2   | 4.8                  | 0            | 69         | 263       | 5     | 850   | 1415   | 0            | 9.5         | 6.4                  | 0            | 12         | 277       | 1     |  |
| 979   | * 256  |              | 16.3  | 7.1                  |              |            |           |       | 978   | * 259       |              | 13.9  | 3.1                  |              |            |           |       |   | 925    | * 711        |             | 13.0                 | 5.3          |            |           |       |  |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>CHITA</b><br>30758 AUG 2008 5205N 11320E OB 0     |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ALDAN</b><br>31004 AUG 2008 5837N 12520E OB 3       |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>OHOTSK</b><br>31088 AUG 2008 5922N 14310E OB 3    |        |              |             |                      |              |            |           |       |  |
| 030   | 24273  | 0            | -49.7 | 13.8                 | 5            | 74         | 83        | 3     | 030   | 24284       | 0            | -48.5 | 12.8                 | 0            | 87         | 87        | 4     | 030   | 24258  | 0            | -49.6       | 13.2                 | 1            | 80         | 74        | 3     |  |
| 050   | 20957  | 0            | -52.8 | 12.2                 | 4            | 35         | 216       | 1     | 050   | 20942       | 0            | -51.1 | 11.4                 | 0            | 34         | 74        | 1     | 050   | 20940  | 0            | -51.9       | 11.9                 | 1            | 38         | 43        | 1     |  |
| 100   | 16508  | 0            | -53.0 | 10.6                 | 4            | 92         | 253       | 12    | 100   | 16455       | 0            | -51.3 | 9.9                  | 0            | 67         | 254       | 5     | 100   | 16475  | 0            | -52.7       | 9.8                  | 0            | 59         | 283       | 4     |  |
| 150   | 13891  | 0            | -51.6 | 8.9                  | 1            | 89         | 258       | 16    | 150   | 13813       | 0            | -50.1 | 8.2                  | 0            | 62         | 247       | 7     | 150   | 13852  | 0            | -52.0       | 8.1                  | 0            | 58         | 277       | 6     |  |
| 200   | 12032  | 0            | -51.8 | 7.3                  | 1            | 80         | 256       | 19    | 200   | 11943       | 0            | -52.2 | 6.2                  | 0            | 55         | 249       | 10    | 200   | 11993  | 0            | -52.9       | 6.6                  | 0            | 42         | 285       | 7     |  |
| 300   | 9348   | 0            | -38.9 | 7.0                  | 1            | 66         | 261       | 14    | 300   | 9294        | 0            | -41.7 | 5.8                  | 0            | 37         | 227       | 7     | 300   | 9328   | 0            | -40.2       | 7.0                  | 0            | 28         | 307       | 4     |  |
| 500   | 5660   | 0            | -13.2 | 9.3                  | 0            | 69         | 278       | 9     | 500   | 5634        | 0            | -14.5 | 8.9                  | 0            | 43         | 219       | 5     | 500   | 5651   | 0            | -13.8       | 10.7                 | 0            | 22         | 305       | 2     |  |
| 700   | 3024   | 0            | 2.4   | 6.5                  | 0            | 67         | 280       | 6     | 700   | 3012        | 0            | .7    | 5.3                  | 0            | 52         | 226       | 5     | 700   | 3025   | 0            | 1.1         | .6                   | 0            | 6          | 73        |       |  |
| 850   | 1433   | 0            | 12.4  | 8.7                  | 0            | 32         | 294       | 2     | 850   | 1432        | 0            | 10.4  | 4.0                  | 0            | 42         | 219       | 4     | 850   | 1443   | 0            | 9.7         | 6.9                  | 0            | 28         | 123       | 2     |  |
| 931   | * 671  |              | 15.6  | 7.7                  |              |            |           |       | 930   | * 679       |              | 14.1  | 3.2                  |              |            |           |       |   | 1010   | * 6          |             | 13.4                 | 13.2         |            |           |       |  |

# UPPER AIR

# AUGUST 2008

| 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>AYAN</b><br>31168 AUG 2008 5627N 13800E OB                      |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>BLAGOVESCHENSK</b><br>31510 AUG 2008 5032N 12730E OB 3            |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>HABAROVSK</b><br>31736 AUG 2008 4832N 13510E OB 3        |        |              |             |                      |              |            |           |       |
| 030   | 24274  | 0            | -49.1 | 13.7                 | 9            | 87         | 96        | 3     | 030   | 24216       | 0            | -49.7 | 15.4                 | 0            | 78         | 74        | 4     | 030  | 24234  | 0            | -50.1       | 12.1                 | 2            | 76         | 77        | 3     |
| 050   | 20981  | 0            | -52.1 | 11.7                 | 9            | 51         | 75        | 2     | 050   | 20911       | 0            | -53.8 | 13.2                 | 2            | 50         | 64        | 1     | 050  | 20939  | 0            | -54.9       | 10.8                 | 2            | 33         | 29        | 1     |
| 100   | 16485  | 0            | -53.1 | 1.5                  | 7            | 57         | 278       | 4     | 100   | 16497       | 0            | -56.0 | 10.9                 | 0            | 76         | 263       | 8     | 100  | 16553  | 0            | -57.2       | 9.5                  | 2            | 77         | 274       | 10    |
| 150   | 13858  | 0            | -52.2 | 7.9                  | 7            | 55         | 277       | 6     | 150   | 13911       | 0            | -54.1 | 9.3                  | 0            | 78         | 263       | 14    | 150  | 13977  | 0            | -54.6       | 8.7                  | 1            | 76         | 273       | 16    |
| 200   | 11998  | 0            | -53.5 | 6.0                  | 6            | 33         | 288       | 5     | 200   | 12062       | 0            | -52.7 | 8.0                  | 0            | 69         | 265       | 17    | 200  | 12128  | 0            | -51.7       | 7.7                  | 1            | 72         | 277       | 21    |
| 300   | 9339   | 0            | -40.7 | 7.1                  | 2            | 32         | 275       | 5     | 300   | 9388        | 0            | -38.9 | 7.9                  | 0            | 60         | 262       | 13    | 300  | 9435   | 0            | -36.8       | 8.5                  | 0            | 61         | 283       | 13    |
| 500   | 5657   | 0            | -14.9 | 10.5                 | 2            | 14         | 285       | 1     | 500   | 5683        | 0            | -11.9 | 11.9                 | 0            | 54         | 262       | 8     | 500  | 5708   | 0            | -10.7       | 12.3                 | 0            | 51         | 281       | 6     |
| 700   | 3022   | 0            | .3    | 6.1                  | 1            | 11         | 145       | 1     | 700   | 3038        | 0            | 3.0   | 9.2                  | 0            | 33         | 264       | 3     | 700  | 3051   | 0            | 4.2         | 7.9                  | 0            | 40         | 285       | 3     |
| 850   | 1438   | 0            | 8.5   | 5.1                  | 1            | 11         | 97        | 1     | 850   | 1443        | 0            | 13.2  | 7.0                  | 0            | 22         | 249       | 2     | 850  | 1453   | 0            | 12.8        | 5.3                  | 0            | 33         | 279       | 2     |
| 1009  | * 8    |              | 13.1  | 1.0                  |              |            |           |       | 988   | * 177       |              | 19.4  | 4.7                  |              |            |           |       | 1000   | * 72   |              | 19.3        | 3.5                  |              |            |           |       |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>VLADIVOSTOK (SAD GOROD)</b><br>31977 AUG 2008 4316N 13200E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ALEKSANDROVSK-SAHALINSKIJ</b><br>32061 AUG 2008 5054N 14210E OB   |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>JUZHNO-SAHALINSK</b><br>32150 AUG 2008 4657N 14240E OB 1 |        |              |             |                      |              |            |           |       |
| 030   | 24280  | 0            | -52.4 | 12.1                 | 4            | 92         | 81        | 5     | 030   | 24275       | 0            | -50.4 | 18.0                 | 1            | 67         | 92        | 3     | 030  | 24234  | 0            | -50.5       | 12.3                 | 9            | 79         | 85        | 4     |
| 050   | 21015  | 0            | -58.0 | 10.4                 | 1            | 26         | 20        | 1     | 050   | 20969       | 0            | -54.2 | 15.4                 | 0            | 21         | 1         | 1     | 050  | 20944  | 0            | -55.4       | 10.4                 | 9            | 48         | 59        | 1     |
| 100   | 16711  | 0            | -61.7 | 9.2                  | 0            | 76         | 268       | 13    | 100   | 16563       | 0            | -56.1 | 12.5                 | 0            | 72         | 273       | 7     | 100  | 16586  | 0            | -59.3       | 9.6                  | 5            | 85         | 273       | 11    |
| 150   | 14166  | 0            | -56.2 | 8.9                  | 0            | 78         | 264       | 20    | 150   | 13970       | 0            | -53.1 | 10.9                 | 0            | 72         | 273       | 13    | 150  | 14027  | 0            | -55.2       | 9.3                  | 2            | 80         | 273       | 18    |
| 200   | 12311  | 0            | -49.5 | 8.9                  | 0            | 76         | 260       | 22    | 200   | 12101       | 0            | -50.5 | 9.6                  | 0            | 61         | 274       | 14    | 200  | 12168  | 0            | -49.7       | 8.5                  | 0            | 80         | 272       | 24    |
| 300   | 9567   | 0            | -32.4 | 9.7                  | 0            | 78         | 261       | 15    | 300   | 9405        | 0            | -38.4 | 10.0                 | 0            | 40         | 278       | 8     | 300  | 9448   | 0            | -35.7       | 9.2                  | 0            | 69         | 276       | 16    |
| 500   | 5786   | 0            | -8.1  | 13.7                 | 0            | 70         | 266       | 8     | 500   | 5697        | 0            | -12.2 | 13.7                 | 0            | 38         | 288       | 4     | 500  | 5710   | 0            | -10.0       | 11.6                 | 0            | 59         | 280       | 7     |
| 700   | 3097   | 0            | 6.4   | 10.2                 | 0            | 40         | 290       | 3     | 700   | 3051        | 0            | 2.2   | 8.8                  | 0            | 25         | 299       | 2     | 700  | 3049   | 0            | 4.4         | 8.9                  | 0            | 49         | 279       | 4     |
| 850   | 1479   | 0            | 14.3  | 5.6                  | 0            | 18         | 295       | 1     | 850   | 1457        | 0            | 10.5  | 6.2                  | 0            | 12         | 293       | 1     | 850  | 1454   | 0            | 11.4        | 5.3                  | 0            | 26         | 260       | 2     |
| 1000  | * 82   |              | 20.5  | 2.7                  |              |            |           |       | 1007  | * 31        |              | 16.6  | 3.3                  |              |            |           |       | 1008   | * 24   |              | 16.5        | 1.9                  |              |            |           |       |
| <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>KLJUCHI</b><br>32389 AUG 2008 5619N 16050E OB                   |        |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>PETROPAVLOVSK-KAMCHATSKIJ</b><br>32540 AUG 2008 5305N 15830E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - RUSSIAN FEDERATION (ASIA)</b><br><b>ORENBURG</b><br>35121 AUG 2008 5141N 05506E OB 3         |        |              |             |                      |              |            |           |       |
| 030   | 24243  | 0            | -48.7 | 18.7                 | 4            | 58         | 81        | 2     | 030   | 24205       | 0            | -49.4 | 12.2                 | 0            | 65         | 86        | 3     | 030  | 24302  | 0            | -50.3       | 14.9                 | 0            | 68         | 53        | 3     |
| 050   | 20918  | 0            | -51.8 | 15.5                 | 4            | 47         | 29        | 2     | 050   | 20940       | 0            | -53.3 | 10.9                 | 0            | 35         | 11        | 1     | 050  | 21002  | 0            | -53.9       | 13.3                 | 0            | 60         | 308       | 3     |
| 100   | 16461  | 0            | -53.4 | 12.0                 | 3            | 71         | 309       | 6     | 100   | 16514       | 0            | -55.1 | 9.4                  | 0            | 74         | 293       | 8     | 100  | 16571  | 0            | -55.1       | 12.0                 | 0            | 92         | 279       | 13    |
| 150   | 13852  | 0            | -52.3 | 9.7                  | 1            | 73         | 296       | 10    | 150   | 13916       | 0            | -53.1 | 8.5                  | 0            | 71         | 285       | 12    | 150  | 13967  | 0            | -52.7       | 10.8                 | 0            | 90         | 279       | 19    |
| 200   | 11995  | 0            | -52.4 | 8.1                  | 1            | 64         | 301       | 12    | 200   | 12058       | 0            | -51.2 | 7.2                  | 0            | 55         | 288       | 12    | 200  | 12105  | 0            | -51.9       | 9.1                  | 0            | 86         | 277       | 20    |
| 300   | 9335   | 0            | -40.1 | 8.5                  | 1            | 49         | 304       | 10    | 300   | 9368        | 0            | -38.3 | 7.2                  | 0            | 40         | 296       | 7     | 300  | 9433   | 0            | -40.8       | 9.6                  | 0            | 76         | 277       | 15    |
| 500   | 5659   | 0            | -14.0 | 11.5                 | 1            | 33         | 313       | 3     | 500   | 5664        | 0            | -12.4 | 9.3                  | 0            | 34         | 286       | 4     | 500  | 5749   | 0            | -13.2       | 12.6                 | 0            | 75         | 278       | 10    |
| 700   | 3039   | 0            | -.1   | 4.2                  | 1            | 9          | 324       | 1     | 700   | 3033        | 0            | 1.2   | 5.9                  | 0            | 6          | 268       |       | 700  | 3107   | 0            | 3.0         | 11.2                 | 0            | 70         | 90        | 7     |
| 850   | 1465   | 0            | 8.3   | 3.9                  | 1            | 5          | 77        |       | 850   | 1455        | 0            | 8.4   | 4.1                  | 0            | 28         | 70        | 1     | 850  | 1505   | 0            | 14.3        | 12.7                 | 0            | 56         | 272       | 5     |
| 1008  | * 29   |              | 15.0  | 3.4                  |              |            |           |       | 1004  | * 84        |              | 13.8  | 2.6                  |              |            |           |       | 999  | * 117  |              | 22.5        | 14.0                 |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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</b><br><b>AL-QAISUMAH</b><br>40373 AUG 2008 2819N 04608E OB                     |        |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA</b><br><b>TABUK</b><br>40375 AUG 2008 2823N 03636E OB 3       |             |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA</b><br><b>HAIL</b><br>40394 AUG 2008 2726N 04141E OB 3                     |        |              |             |                      |              |            |           |       |
| 030  | 24096  | 0            | -54.6 | 29.7                 | 9            | 98         | 89        | 21    | 030  | 24083       | 0            | -54.8 | 30.0                 | 9            | 98         | 89        | 20    | 030   | 24086  | 0            | -54.5       | 28.8                 | 9            | 99         | 92        | 21    |
| 050  | 20888  | 0            | -63.9 | 25.3                 | 9            | 96         | 92        | 17    | 050  | 20877       | 0            | -63.0 | 26.3                 | 9            | 97         | 95        | 16    | 050   | 20879  | 0            | -63.0       | 25.1                 | 9            | 97         | 96        | 18    |
| 100  | 16818  | 0            | -76.8 | 9.8                  | 9            | 93         | 111       | 13    | 100  | 16798       | 0            | -76.5 | 10.5                 | 9            | 94         | 116       | 12    | 100   | 16814  | 0            | -76.5       | 10.1                 | 9            | 94         | 107       | 16    |
| 150  | 14404  | 0            | -61.3 | 16.8                 | 9            | 63         | 117       | 5     | 150  | 14389       | 0            | -62.0 | 16.2                 | 9            | 63         | 125       | 4     | 150   | 14403  | 0            | -61.8       | 15.8                 | 9            | 76         | 117       | 7     |
| 200  | 12562  | 0            | -47.5 | 22.0                 | 9            | 36         | 141       | 3     | 200  | 12552       | 0            | -48.0 | 23.5                 | 9            | 30         | 141       | 2     | 200   | 12565  | 0            | -47.8       | 21.5                 | 9            | 68         | 133       | 5     |
| 300  | 9761   | 0            | -27.1 | 26.8                 | 9            | 7          | 21        | 1     | 300  | 9758        | 0            | -27.6 | 28.5                 | 9            | 35         | 208       | 2     | 300   | 9768   | 0            | -27.5       | 23.5                 | 9            | 47         | 134       | 3     |
| 500  | 5895   | 0            | -2.3  | 22.6                 | 9            | 17         | 8         | 1     | 500  | 5893        | 0            | -1.6  | 31.6                 | 9            | 63         | 256       | 4     | 500   | 5903   | 0            | -2.1        | 27.7                 | 9            | 43         | 245       | 2     |
| 700  | 3133   | 0            | 16.2  | 26.3                 | 9            | 72         | 305       | 7     | 700  | 3136        | 0            | 13.5  | 20.4                 | 9            | 81         | 194       | 6     | 700   | 3151   | 0            | 15.8        | 19.3                 | 9            | 90         | 248       | 6     |
| 850  | 1447   | 0            | 30.5  | 31.3                 | 9            | 90         | 328       | 8     | 850  | 1467        | 0            | 26.3  | 23.8                 | 9            | 75         | 348       | 4     | 850   | 1463   | 0            | 30.4        | 31.2                 | 9            | 75         | 26        | 4     |
| 959  | * 358  |              | 38.0  | 37.5                 |              |            |           |       | 920  | * 778       |              | 32.3  | 29.0                 |              |            |           |       | 895   | *1015  |              | 32.4        | 29.0                 |              |            |           |       |
| <b>ASIA - SAUDI ARABIA</b><br><b>K.F.L.A. (KING FAHAD INT. AI)</b><br>40417 AUG 2008 2627N 04949E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA</b><br><b>AL-MADINAH</b><br>40430 AUG 2008 2433N 03942E OB 3  |             |              |       |                      |              |            |           |       | <b>ASIA - SAUDI ARABIA</b><br><b>KING KHALED INT. AIRPORT</b><br>40437 AUG 2008 2456N 04643E OB 3 |        |              |             |                      |              |            |           |       |
| 030  | 24069  | 0            | -55.3 | 28.2                 | 9            | 98         | 87        | 21    | 030  | 24022       | 0            | -54.8 | 29.7                 | 9            | 98         | 93        | 21    | 030   | 24028  | 0            | -55.4       | 29.0                 | 9            | 97         | 95        | 20    |
| 050  | 20867  | 0            | -63.5 | 24.3                 | 9            | 96         | 92        | 19    | 050  | 20822       | 0            | -64.1 | 25.4                 | 9            | 98         | 93        | 21    | 050   | 20824  | 0            | -63.8       | 24.8                 | 9            | 99         | 92        | 19    |
| 100  | 16811  | 0            | -77.5 | 9.2                  | 9            | 94         | 102       | 16    | 100  | 16759       | 0            | -78.5 | 8.8                  | 9            | 96         | 102       | 20    | 100   | 16768  | 0            | -77.9       | 9.1                  | 9            | 97         | 97        | 20    |
| 150  | 14407  | 0            | -61.9 | 14.0                 | 9            | 87         | 113       | 9     | 150  | 14368       | 0            | -63.1 | 13.7                 | 9            | 95         | 100       | 11    | 150   | 14375  | 0            | -63.0       | 12.7                 | 9            | 92         | 106       | 11    |
| 200  | 12567  | 0            | -47.6 | 19.1                 | 9            | 72         | 115       | 5     | 200  | 12538       | 0            | -48.5 | 19.4                 | 9            | 90         | 101       | 7     | 200   | 12543  | 0            | -48.4       | 18.5                 | 9            | 77         | 110       | 6     |
| 300  | 9764   | 0            | -26.6 | 21.4                 | 9            | 47         | 86        | 3     | 300  | 9749        | 0            | -28.0 | 21.9                 | 9            | 74         | 84        | 5     | 300   | 9750   | 0            | -27.0       | 22.2                 | 9            | 52         | 99        | 3     |
| 500  | 5896   | 0            | -4.1  | 16.4                 | 9            | 59         | 34        | 3     | 500  | 5892        | 0            | -4.2  | 18.0                 | 9            | 31         | 221       | 2     | 500   | 5898   | 0            | -3.8        | 19.9                 | 9            | 50         | 22        | 3     |
| 700  | 3135   | 0            | 18.0  | 28.2                 | 9            | 70         | 340       | 4     | 700  | 3146        | 0            | 16.9  | 24.4                 | 9            | 69         | 240       | 4     | 700   | 3144   | 0            | 16.7        | 21.3                 | 9            | 88         | 332       | 8     |
| 850  | 1443   | 0            | 30.0  | 27.7                 | 9            | 95         | 342       | 10    | 850  | 1457        | 0            | 29.3  | 27.1                 | 9            | 93         | 296       | 6     | 850   | 1450   | 0            | 31.9        | 32.8                 | 9            | 89         | 359       | 7     |
| 994  | * 22   |              | 37.5  | 37.4                 |              |            |           |       | 931  | * 654       |              | 36.3  | 33.9                 |              |            |           |       | 932   | * 614  |              | 36.8        | 36.6                 |              |            |           |       |
| <b>ASIA - SAUDI ARABIA</b><br><b>JEDDAH (KING ABDUL AZIZ INT.)</b><br>41024 AUG 2008 2142N 03911E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - OMAN</b><br><b>SEEB, INT'L AIRPORT</b><br>41256 AUG 2008 2335N 05817E OB 1 |             |              |       |                      |              |            |           |       | <b>ASIA - OMAN</b><br><b>SALALAH</b><br>41316 AUG 2008 1702N 05405E OB 3                          |        |              |             |                      |              |            |           |       |
| 030  | 24005  | 0            | -55.7 | 29.8                 | 9            | 96         | 89        | 20    | 030  | 23008       | 0            | -56.2 | 11.8                 | 9            | 92         | 82        | 24    | 030   | 23935  | 0            | -55.2       | 32.3                 | 9            | 96         | 88        | 13    |
| 050  | 20804  | 0            | -63.9 | 24.7                 | 9            | 98         | 94        | 21    | 050  | 20809       | 0            | -63.7 | 26.0                 | 4            | 99         | 89        | 17    | 050   | 20722  | 0            | -63.2       | 27.9                 | 7            | 97         | 82        | 18    |
| 100  | 16739  | 0            | -79.1 | 8.2                  | 9            | 98         | 100       | 26    | 100  | 16741       | 0            | -79.3 | 11.0                 | 4            | 98         | 96        | 21    | 100   | 16623  | 0            | -79.6       | 7.6                  | 2            | 99         | 89        | 30    |
| 150  | 14357  | 0            | -64.0 | 11.7                 | 9            | 98         | 100       | 19    | 150  | 14358       | 0            | -64.4 | 20.0                 | 4            | 87         | 112       | 19    | 150   | 14259  | 0            | -65.9       | 10.1                 | 2            | 98         | 104       | 28    |
| 200  | 12535  | 0            | -49.7 | 14.7                 | 9            | 97         | 98        | 14    | 200  | 12535       | 0            | -49.0 | 14.0                 | 3            | 86         | 110       | 18    | 200   | 12456  | 0            | -51.6       | 12.4                 | 2            | 99         | 93        | 20    |
| 300  | 9754   | 0            | -28.1 | 21.1                 | 9            | 89         | 89        | 7     | 300  | 9748        | 0            | -28.0 | 14.0                 | 2            | 84         | 96        | 7     | 300   | 9697   | 0            | -29.6       | 14.0                 | 3            | 97         | 86        | 10    |
| 500  | 5908   | 0            | -5.8  | 9.4                  | 9            | 30         | 108       | 2     | 500  | 5881        | 0            | -5.0  | 13.0                 | 2            | 69         | 29        | 6     | 500   | 5857   | 0            | -4.5        | 11.3                 | 1            | 65         | 27        | 4     |
| 700  | 3163   | 0            | 16.3  | 25.0                 | 9            | 63         | 290       | 3     | 700  | 3145        | 0            | 15.0  | 14.5                 | 2            | 79         | 32        | 7     | 700   | 3121   | 0            | 14.2        | 14.7                 | 0            | 81         | 19        | 6     |
| 850  | 1483   | 0            | 27.4  | 27.0                 | 9            | 99         | 331       | 11    | 850  | 1463        | 0            | 27.5  | 17.6                 | 2            | 65         | 306       | 5     | 850   | 1444   | 0            | 24.5        | 14.1                 | 0            | 76         | 218       | 6     |
| 1001   | * 17   |              | 33.5  | 15.9                 |              |            |           |       | 999  | * 15        |              | 27.4  | 2.3                  |              |            |           |       | 1001  | * 23   |              | 24.0        | 2.2                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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/>NEW DELHI/SAFDARJUNG</b><br>42182 AUG 2008 2835N 07712E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>JODHPUR</b><br>42339 AUG 2008 2618N 07301E OB 3            |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>LUCKNOW/AMAUSI</b><br>42369 AUG 2008 2645N 08053E OB 3    |        |              |       |                      |              |            |           |       |
| 030  |        |              |       |                      |              |            |           |       | 030  |        |              |       |                      |              |            |           |       | 030   | 24379  | 0            | -39.9 | 19.6                 | 9            | 93         | 85        | 18    |
| 050  | 20918  | 0            | -53.1 | 34.4                 |              |            |           |       | 050  |        |              |       |                      |              |            |           |       | 050   | 20979  | 0            |       | 16.5                 | 9            | 85         | 88        | 14    |
| 100  | 16688  | 0            | -74.7 | 8.8                  | 0            | 32         | 61        | 4     | 100  |        |              |       |                      |              |            |           |       | 100   | 16630  | 0            | -73.0 | 9.4                  | 9            | 80         | 87        | 11    |
| 150  | 14320  | 0            | -64.9 | 10.4                 | 0            | 51         | 135       | 5     | 150  |        |              |       |                      |              |            |           |       | 150   | 14235  | 0            | -67.8 | 10.4                 | 9            | 76         | 91        | 9     |
| 200  | 12844  | 0            | -50.1 | 12.4                 | 0            | 30         | 170       | 3     | 200  | 12411  | 0            | -49.3 | 13.2                 |              |            |           |       | 200   | 12422  | 0            | -51.6 | 12.1                 | 4            | 63         | 95        | 6     |
| 300  | 9705   | 0            | -28.9 | 9.2                  | 0            | 35         | 229       | 2     | 300  | 9635   | 0            | -28.1 | 19.0                 |              |            |           |       | 300   | 9654   | 0            | -27.4 | 13.4                 | 3            | 57         | 108       | 4     |
| 500  | 5848   | 0            | -1.8  | 8.7                  | 0            | 41         | 231       | 3     | 500  | 5775   | 0            | -2.7  | 22.2                 | 9            | 23         | 274       | 8     | 500   | 5785   | 0            | -2.5  | 7.8                  |              |            |           |       |
| 700  | 3080   | 0            | 12.8  | 6.0                  | 0            | 23         | 326       | 2     | 700  | 3051   | 0            | 10.3  | 14.7                 | 9            | 47         | 52        | 6     | 700   | 3047   | 0            | 12.2  | 5.1                  | 2            | 10         | 357       | 1     |
| 850  | 1414   | 0            | 21.3  | 4.0                  | 0            | 21         | 309       | 2     | 850  | 1419   | 0            | 17.0  | 8.7                  | 9            | 87         | 232       | 7     | 850   | 1401   | 0            | 20.3  | 2.1                  | 2            | 8          | 248       | 1     |
| 969  | * 216  |              | 28.3  | 3.8                  |              |            |           |       | 975  | * 224  |              | 28.6  | 28.3                 |              |            |           |       | 984   | * 128  |              | 28.7  | 2.9                  |              |            |           |       |
| <b>ASIA - INDIA<br/>PATNA</b><br>42492 AUG 2008 2536N 08506E OB 3                |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>AHMADABAD</b><br>42647 AUG 2008 2304N 07238E OB 3          |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>NAGPUR SONEGAON</b><br>42867 AUG 2008 2106N 07903E OB 3   |        |              |       |                      |              |            |           |       |
| 030  |        |              |       |                      |              |            |           |       | 030  |        |              |       |                      |              |            |           |       | 030   |        |              |       |                      |              |            |           |       |
| 050  |        |              |       |                      |              |            |           |       | 050  |        |              |       |                      |              |            |           |       | 050   |        |              |       |                      |              |            |           |       |
| 100  | 16614  | 0            | -74.8 | 7.6                  |              |            |           |       | 100  |        |              |       |                      |              |            |           |       | 100   | 16563  | 0            | -74.3 |                      | 9            | 99         | 87        | 22    |
| 150  | 14296  | 0            | -66.9 | 11.3                 |              |            |           |       | 150  |        |              |       |                      |              |            |           |       | 150   | 14220  | 0            | -67.8 |                      | 8            | 95         | 80        | 23    |
| 200  | 12482  | 0            | -49.5 | 14.2                 |              |            |           |       | 200  | 12402  | 0            | -54.5 |                      |              |            |           |       | 200   | 12416  | 0            | -52.5 |                      | 7            | 96         | 87        | 16    |
| 300  | 9697   | 0            | -26.3 | 11.9                 |              |            |           |       | 300  | 9670   | 0            | -29.8 | 7.9                  |              |            |           |       | 300   | 9657   | 0            | -28.4 | 8.5                  | 5            | 88         | 87        | 9     |
| 500  | 5825   | 0            | -2.0  | 7.1                  |              |            |           |       | 500  | 5818   | 0            | -2.3  | 8.3                  |              |            |           |       | 500   | 5799   | 0            | -3.3  | 4.2                  | 2            | 33         | 41        | 2     |
| 700  | 3076   | 0            | 13.2  | 12.4                 | 1            | 28         | 135       | 2     | 700  | 3077   | 0            | 12.7  | 8.1                  |              |            |           |       | 700   | 3069   | 0            | 11.2  | 2.6                  | 0            | 54         | 292       | 4     |
| 850  | 1478   | 0            | 21.4  | 2.7                  | 1            | 29         | 152       | 2     | 850  | 1433   | 0            | 18.7  | .5                   |              |            |           |       | 850   | 1434   | 0            | 19.2  | 1.7                  | 0            | 69         | 307       | 5     |
| 994  | * 60   |              | 28.9  | 3.0                  |              |            |           |       | 997  | * 55   |              | 26.0  | 1.8                  |              |            |           |       | 967   | * 310  |              | 26.7  | 26.3                 |              |            |           |       |
| <b>ASIA - INDIA<br/>BHUBANESHWAR</b><br>42971 AUG 2008 2015N 08550E OB 3         |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>BOMBAY / SANTACRUZ</b><br>43003 AUG 2008 1907N 07251E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA<br/>HYDERABAD AIRPORT</b><br>43128 AUG 2008 1727N 07828E OB 3 |        |              |       |                      |              |            |           |       |
| 030  |        |              |       |                      |              |            |           |       | 030  |        |              |       |                      |              |            |           |       | 030   |        |              |       |                      |              |            |           |       |
| 050  |        |              |       |                      |              |            |           |       | 050  |        |              |       |                      |              |            |           |       | 050   |        |              |       |                      |              |            |           |       |
| 100  |        |              |       |                      |              |            |           |       | 100  |        |              |       |                      |              |            |           |       | 100   |        |              |       |                      |              |            |           |       |
| 150  | 14222  | 0            | -68.7 |                      | 9            | 88         | 81        | 16    | 150  |        |              |       |                      |              |            |           |       | 150   |        |              |       |                      |              |            |           |       |
| 200  | 12437  | 0            | -52.5 |                      | 7            | 96         | 82        | 16    | 200  | 12344  | 0            | -54.6 | 10.6                 | 3            | 93         | 88        | 20    | 200   |        |              |       |                      |              |            |           |       |
| 300  | 9675   | 0            | -28.5 | 12.1                 | 6            | 98         | 98        | 10    | 300  | 9607   | 0            | -30.2 | 11.7                 | 0            | 86         | 77        | 9     | 300   | 9696   | 0            | -29.2 | 7.9                  | 9            | 88         | 103       | 10    |
| 500  | 5812   | 0            | -2.7  | 5.2                  | 3            | 41         | 109       | 3     | 500  | 5765   | 0            | -4.3  | 7.7                  | 0            | 13         | 345       | 1     | 500   | 5837   | 0            | -2.8  | 6.1                  | 7            | 6          | 217       | 1     |
| 700  | 3069   | 0            | 12.4  | 2.9                  | 1            | 35         | 259       | 2     | 700  | 3048   | 0            | 9.2   | 5.6                  | 0            | 85         | 256       | 6     | 700   | 3095   | 0            | 12.0  | 3.8                  | 6            | 82         | 282       | 7     |
| 850  | 1420   | 0            | 20.6  | 2.0                  | 0            | 42         | 252       | 3     | 850  | 1426   | 0            | 15.8  | 2.0                  | 0            | 94         | 258       | 9     | 850   | 1447   | 0            | 20.7  | 20.5                 | 6            | 73         | 276       | 7     |
| 995  | * 46   |              | 27.9  | 1.6                  |              |            |           |       | 1002   | * 14   |              | 26.5  | 2.4                  |              |            |           |       | 943   | * 545  |              | 25.7  | 25.5                 |              |            |           |       |



# UPPER AIR

# AUGUST 2008

| 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>CWC VISHAKHAPATNAM/WALTAIR<br>43150 AUG 2008 1742N 08318E OB 3 |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA</b><br>GOA/PANJIM<br>43192 AUG 2008 1529N 07349E OB 3        |             |              |       |                      |              |            |           |       | <b>ASIA - INDIA</b><br>CHENNAI/MINAMBAKKAM<br>43279 AUG 2008 1300N 08011E OB 3 |        |              |             |                      |              |            |           |       |
| 030   |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       | 030  |        |              |             |                      |              |            |           |       |
| 050   |        |              |       |                      |              |            |           |       | 050  |             |              |       |                      |              |            |           |       | 050  |        |              |             |                      |              |            |           |       |
| 100   | 16519  | 0            | -72.0 | 6.4                  | 9            | 99         | 78        | 29    | 100  |             |              |       |                      |              |            |           |       | 100  | 14180  | 0            | -69.1       |                      |              |            |           |       |
| 150   | 14168  | 0            | -68.2 | 9.5                  | 8            | 98         | 74        | 31    | 150  |             |              |       |                      |              |            |           |       | 150  | 12393  | 0            | -54.1       |                      |              |            |           |       |
| 200   | 12377  | 0            | -53.3 | 4.8                  | 7            | 98         | 76        | 24    | 200  |             |              |       |                      |              |            |           |       | 200  | 9656   | 0            | -30.5       | 9.1                  |              |            |           |       |
| 300   | 9625   | 0            | -29.4 | 8.9                  | 5            | 93         | 89        | 11    | 300  | 9584        | 0            | -32.6 | 6.1                  |              |            |           |       | 300  | 5824   | 0            | -4.7        | 7.4                  |              |            |           |       |
| 500   | 5779   | 0            | -3.5  | 4.3                  | 4            | 12         | 123       | 5     | 500  | 5783        | 0            | -6.6  | 5.7                  |              |            |           |       | 500  | 3103   | 0            | 10.3        | 4.0                  | 2            | 65         | 281       | 8     |
| 700   | 3049   | 0            | 10.9  | 2.8                  | 1            | 76         | 272       | 6     | 700  | 3078        | 0            | 8.4   | 8.0                  |              |            |           |       | 700  | 1463   | 0            | 20.1        | 3.9                  | 0            | 85         | 287       | 8     |
| 850   | 1408   | 0            | 19.8  | 2.5                  | 0            | 79         | 273       | 7     | 850  | 1453        | 0            | 16.5  | .9                   |              |            |           |       | 850  | * 16   |              | 29.5        | 5.8                  |              |            |           |       |
| 994   | * 66   |              | 28.1  | 27.6                 |              |            |           |       | 999  | * 60        |              | 26.0  | 1.5                  |              |            |           |       |  |        |              |             |                      |              |            |           |       |
| <b>ASIA - INDIA</b><br>MANGALORE/PANAMBUR<br>43285 AUG 2008 1257N 07450E OB 3         |        |              |       |                      |              |            |           |       | <b>ASIA - INDIA</b><br>KOCHIN/WILLINGDON<br>43353 AUG 2008 0957N 07616E OB 3 |             |              |       |                      |              |            |           |       | <b>ASIA - INDIA</b><br>THIRUVANANTHAPURAM<br>43371 AUG 2008 0829N 07657E OB 3  |        |              |             |                      |              |            |           |       |
| 030   |        |              |       |                      |              |            |           |       | 030  |             |              |       |                      |              |            |           |       | 030  |        |              |             |                      |              |            |           |       |
| 050   |        |              |       |                      |              |            |           |       | 050  |             |              |       |                      |              |            |           |       | 050  |        |              |             |                      |              |            |           |       |
| 100   |        |              |       |                      |              |            |           |       | 100  | 16471       | 0            | -71.6 |                      |              |            |           |       | 100  | 14071  | 0            | -70.8       |                      |              |            |           |       |
| 150   |        |              |       |                      |              |            |           |       | 150  | 14113       | 0            | -71.5 |                      |              |            |           |       | 150  | 12311  | 0            | -57.1       |                      |              |            |           |       |
| 200   |        |              |       |                      |              |            |           |       | 200  | 12350       | 0            | -56.2 |                      |              |            |           |       | 200  | 9609   | 0            | -34.3       | 8.5                  |              |            |           |       |
| 300   | 9631   | 0            | -32.3 | 10.4                 |              |            |           |       | 300  | 9638        | 0            | -32.2 | 9.1                  |              |            |           |       | 300  | 5812   | 0            | -6.3        | 6.0                  |              |            |           |       |
| 500   | 5818   | 0            | -5.6  | 8.5                  |              |            |           |       | 500  | 5807        | 0            | -5.0  | 7.7                  |              |            |           |       | 500  | 3105   | 0            | 10.2        | 6.1                  |              |            |           |       |
| 700   | 3107   | 0            | 9.3   | 4.7                  |              |            |           |       | 700  | 3106        | 0            | 10.0  | 6.3                  |              |            |           |       | 700  | 1470   | 0            | 17.8        | 2.3                  | 5            | 97         | 312       | 11    |
| 850   | 1477   | 0            | 17.6  | 2.4                  | 6            | 88         | 303       | 7     | 850  | 1471        | 0            | 17.8  | 3.3                  |              |            |           |       | 850  | * 64   |              | 26.2        | 2.7                  |              |            |           |       |
| 1004  | * 32   |              | 26.1  | 1.7                  |              |            |           |       | 1007   | * 3         |              | 27.0  | 2.9                  |              |            |           |       |  |        |              |             |                      |              |            |           |       |
| <b>ASIA - HONG KONG, CHINA</b><br>KOWLOON<br>45004 AUG 2008 2219N 11410E OB 1         |        |              |       |                      |              |            |           |       | <b>ASIA - CHINA</b><br>HAILAR<br>50527 AUG 2008 4913N 11940E OB 3            |             |              |       |                      |              |            |           |       | <b>ASIA - CHINA</b><br>WU LU MU QI<br>51463 AUG 2008 4348N 08739E OB 3         |        |              |             |                      |              |            |           |       |
| 030   | 23970  | 0            | -54.9 | 31.2                 | 1            | 98         | 91        | 21    | 030  | 24208       | 0            | -50.7 | 36.6                 | 1            |            | 90        | 4     | 030  | 24180  | 0            | -51.9       | 28.6                 | 1            |            | 90        | 6     |
| 050   | 20762  | 0            | -63.2 | 27.6                 | 1            | 99         | 85        | 18    | 050  | 20914       | 0            | -55.0 | 35.9                 | 1            | 33         | 90        | 1     | 050  | 20914  | 0            | -57.5       | 27.4                 | 1            | 50         | 27        | 2     |
| 100   | 16652  | 0            | -77.5 | 9.7                  | 1            | 97         | 65        | 18    | 100  | 16517       | 0            | -56.9 | 28.1                 | 1            | 82         | 264       | 9     | 100  | 16609  | 0            | -62.0       | 26.2                 | 0            | 94         | 277       | 16    |
| 150   | 14282  | 0            | -66.0 | 9.6                  | 1            | 79         | 58        | 13    | 150  | 13939       | 0            | -54.5 | 22.5                 | 1            | 84         | 259       | 16    | 150  | 14075  | 0            | -56.2       | 22.8                 | 0            | 93         | 272       | 28    |
| 200   | 12477  | 0            | -51.2 | 12.4                 | 1            | 70         | 59        | 10    | 200  | 12087       | 0            | -52.6 | 11.5                 | 1            | 72         | 257       | 18    | 200  | 12221  | 0            | -49.8       | 21.5                 | 0            | 94         | 274       | 29    |
| 300   | 9709   | 0            | -28.7 | 13.7                 | 1            | 75         | 72        | 7     | 300  | 9409        | 0            | -39.2 | 1.5                  | 1            | 58         | 253       | 14    | 300  | 9509   | 0            | -37.8       | 14.6                 | 0            | 84         | 281       | 16    |
| 500   | 5860   | 0            | -4.0  | 11.6                 | 0            | 56         | 98        | 4     | 500  | 5707        | 0            | -12.5 | .0                   | 1            | 63         | 259       | 10    | 500  | 5783   | 0            | -11.0       | 18.3                 | 0            | 80         | 284       | 8     |
| 700   | 3127   | 0            | 11.3  | 8.4                  | 0            | 38         | 142       | 3     | 700  | 3053        | 0            | 4.5   | 16.9                 | 0            | 55         | 270       | 6     | 700  | 3109   | 0            | 7.4         | 12.5                 | 0            | 57         | 304       | 4     |
| 850   | 1478   | 0            | 18.9  | 3.6                  | 0            | 42         | 140       | 4     | 850  | 1444        | 0            | 14.5  | 13.0                 | 0            | 50         | 256       | 4     | 850  | 1479   | 0            | 18.7        | 18.6                 | 0            | 20         | 360       | 1     |
| 999   | * 66   |              | 26.9  | 2.5                  |              |            |           |       | 937  | * 611       |              | 16.2  | 16.2                 |              |            |           |       | 905  | * 947  |              | 19.2        | 12.1                 |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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</b><br><b>YINCHUAN</b><br>53614 AUG 2008 3828N 10610E OB                           |        |              |       |                      |              |            |           |       | <b>ASIA - CHINA</b><br><b>BELJING</b><br>54511 AUG 2008 3956N 11610E OB 3        |        |              |             |                      |              |            |             |       | <b>ASIA - CHINA</b><br><b>LHASA</b><br>55591 AUG 2008 2940N 09108E OB 3        |             |              |      |                      |              |            |           |       |     |    |
| 030  | 24195  | 0            | -52.4 |                      | 1            |            | 89        | 10    | 030  | 24185  | 0            | -52.3       | 18.1                 |              | 0          |             | 90    | 9  | 030         | 24077        | 0    | -54.8                |              |            | 0         |       | 87  | 20 |
| 050  | 20940  | 0            | -58.9 |                      | 1            |            | 76        | 5     | 050  | 20926  | 0            | -58.1       | 17.5                 |              | 0          | 80          | 82    | 4  | 050         | 20875        | 0    | -63.0                |              |            | 0         |       | 85  | 13 |
| 100  | 16701  | 0            | -67.1 | 12.8                 | 1            | 86         | 292       | 12    | 100  | 16659  | 0            | -65.5       | 16.3                 |              | 0          | 75          | 276   | 9  | 100         | 16789        | 0    | -76.6                |              |            | 0         | 70    | 54  | 7  |
| 150  | 14219  | 0            | -59.1 | 19.7                 | 1            | 93         | 286       | 25    | 150  | 14161  | 0            | -58.7       | 18.4                 |              | 0          | 90          | 277   | 19   | 150         | 14385        | 0    | -63.1                | 25.2         |            | 0         | 45    | 336 | 5  |
| 200  | 12370  | 0            | -47.8 | 19.5                 | 1            | 94         | 282       | 29    | 200  | 12319  | 0            | -50.2       | 17.2                 |              | 0          | 83          | 270   | 19   | 200         | 12554        | 0    | -48.1                | 9.9          |            | 0         | 60    | 305 | 6  |
| 300  | 9597   | 0            | -31.0 | 19.3                 | 1            | 83         | 278       | 19    | 300  | 9580   | 0            | -33.1       | 15.2                 |              | 0          | 75          | 258   | 12   | 300         | 9745         | 0    | -25.4                | 9.4          |            | 0         | 57    | 267 | 4  |
| 500  | 5807   | 0            | -7.8  | 18.8                 | 0            | 70         | 283       | 7     | 500  | 5796   | 0            | -7.5        | 16.9                 |              | 0          | 60          | 265   | 6  | 500         | 5850         | 0    | -1.7                 | 2.6          |            | 0         | 50    | 259 | 3  |
| 700  | 3109   | 0            | 8.9   | 8.6                  | 0            | 33         | 314       | 2     | 700  | 3102   | 0            | 7.2         | 8.5                  |              | 0          | 29          | 263   | 2  | 655         | *3650        |      | 11.0                 | 3.1          |            |           |       |     |    |
| 850  | 1469   | 0            | 19.3  | 11.2                 | 0            | 25         | 196       | 1     | 850  | 1473   | 0            | 17.0        | 7.3                  |              | 0          | 17          | 220   | 1  |             |              |      |                      |              |            |           |       |     |    |
| 886  | *1112  |              | 17.8  | 5.6                  |              |            |           |       | 1004   | * 55   |              | 23.7        | 4.0                  |              |            |             |       |  |             |              |      |                      |              |            |           |       |     |    |
| <b>ASIA - CHINA</b><br><b>KUNMING</b><br>56778 AUG 2008 2501N 10240E OB 3                          |        |              |       |                      |              |            |           |       | <b>ASIA - CHINA</b><br><b>SHANGHAI</b><br>58362 AUG 2008 3124N 12120E OB 3       |        |              |             |                      |              |            |             |       | <b>AFRICA - MADEIRA</b><br><b>FUNCHAL</b><br>08522 AUG 2008 3238N 01654W OB 3  |             |              |      |                      |              |            |           |       |     |    |
| 030  | 24003  | 0            | -55.2 |                      | 1            |            | 88        | 21    | 030  | 24088  | 0            | -54.5       |                      |              | 1          |             | 85    | 18   | 030         | 24118        | 0    | -53.0                | 32.2         |            | 4         | 99    | 93  | 8  |
| 050  | 20800  | 0            | -63.9 |                      | 1            | 94         | 86        | 17    | 050  | 20871  | 0            | -61.6       |                      |              | 1          |             | 82    | 12   | 050         | 20873        | 0    | -59.1                | 29.7         |            | 4         | 97    | 100 | 6  |
| 100  | 16720  | 0            | -77.9 |                      | 1            | 94         | 59        | 17    | 100  | 16707  | 0            | -72.7       |                      |              | 1          | 45          | 29    | 5  | 100         | 16632        | 0    | -68.2                | 19.2         |            | 4         | 72    | 278 | 2  |
| 150  | 14340  | 0            | -64.9 |                      | 1            | 80         | 50        | 12    | 150  | 14287  | 0            | -63.8       |                      |              | 1          | 40          | 287   | 6  | 150         | 14179        | 0    | -62.8                | 18.0         |            | 4         | 86    | 249 | 6  |
| 200  | 12524  | 0            | -49.8 | 10.8                 | 0            | 83         | 41        | 10    | 200  | 12474  | 0            | -51.1       | 16.0                 |              | 1          | 53          | 262   | 8  | 200         | 12370        | 0    | -54.1                | 17.1         |            | 3         | 76    | 249 | 6  |
| 300  | 9732   | 0            | -26.5 | 11.7                 | 0            | 75         | 62        | 6     | 300  | 9708   | 0            | -29.0       | 19.7                 |              | 1          | 54          | 247   | 7  | 300         | 9667         | 0    | -35.7                | 21.5         |            | 3         | 53    | 250 | 4  |
| 500  | 5856   | 0            | -3.1  | 6.2                  | 0            | 20         | 177       | 1     | 500  | 5861   | 0            | -3.9        | 18.6                 |              | 0          | 70          | 238   | 7  | 500         | 5911         | 0    | -7.8                 | 20.4         |            | 3         | 63    | 244 | 2  |
| 700  | 3114   | 0            | 10.9  | 1.5                  | 0            | 29         | 183       | 2     | 700  | 3130   | 0            | 10.8        | 10.3                 |              | 0          | 62          | 249   | 5  | 700         | 3204         | 0    | 10.8                 | 22.6         |            | 3         | 54    | 251 | 2  |
| 809  | *1892  |              | 18.2  | 2.5                  |              |            |           |       | 850  | 1484   | 0            | 19.1        | 18.8                 |              | 0          | 43          | 238   | 3  | 850         | 1561         | 0    | 18.6                 | 20.8         |            | 3         | 69    | 25  | 2  |
|  |        |              |       |                      |              |            |           |       | 1007   | * 8    |              | 27.6        | 3.8                  |              |            |             |       |  | 1013        | * 58         |      | 25.9                 | 8.3          |            |           |       |     |    |
| <b>AFRICA - SPAIN (CANARY ISLANDS)</b><br><b>TENERIFE-GUIMAR</b><br>60018 AUG 2008 2819N 01623W OB |        |              |       |                      |              |            |           |       | <b>AFRICA - MOROCCO</b><br><b>CASABLANCA</b><br>60155 AUG 2008 3334N 00740W OB 1 |        |              |             |                      |              |            |             |       | <b>AFRICA - ALGERIA</b><br><b>IN-SALAH</b><br>60630 AUG 2008 2714N 00230E OB 2 |             |              |      |                      |              |            |           |       |     |    |
| 030  | 24044  | 0            | -53.6 | 31.4                 | 0            | 98         | 91        | 19    | 030  | 24135  | 0            | -53.1       | 30.5                 |              | 6          | 98          | 91    | 14   | 030         | 24028        | 0    | -54.1                | 29.5         |            | 9         | 99    | 100 | 18 |
| 050  | 20817  | 0            | -61.0 | 27.9                 | 0            | 98         | 92        | 14    | 050  | 20893  | 0            | -59.4       | 27.7                 |              | 5          | 83          | 85    | 9  | 050         | 20807        | 0    | -61.7                | 25.4         |            | 4         | 99    | 100 | 17 |
| 100  | 16627  | 0            | -71.3 | 15.4                 | 0            | 57         | 151       | 3     | 100  | 16653  | 0            | -68.0       | 18.0                 |              | 5          | 80          | 236   | 7  | 100         | 16660        | 0    | -74.3                | 11.7         |            | 2         | 70    | 120 | 6  |
| 150  | 14207  | 0            | -64.5 | 16.5                 | 0            | 84         | 242       | 10    | 150  | 14196  | 0            | -62.8       | 17.3                 |              | 4          | 92          | 265   | 15   | 150         | 14257        | 0    | -64.9                | 15.2         |            | 1         | 66    | 220 | 5  |
| 200  | 12404  | 0            | -53.3 | 19.0                 | 0            | 82         | 245       | 11    | 200  | 12390  | 0            | -54.0       | 16.5                 |              | 4          | 79          | 264   | 13   | 200         | 12452        | 0    | -52.5                | 18.0         |            | 0         | 58    | 260 | 5  |
| 300  | 9684   | 0            | -34.2 | 21.8                 | 0            | 67         | 237       | 7     | 300  | 9684   | 0            | -35.2       | 20.2                 |              | 4          | 64          | 259   | 7  | 300         | 9716         | 0    | -32.4                | 28.7         |            | 0         | 47    | 300 | 3  |
| 500  | 5914   | 0            | -8.5  | 16.5                 | 0            | 41         | 201       | 3     | 500  | 5919   | 0            | -7.7        | 21.2                 |              | 3          | 80          | 241   | 8  | 500         | 5930         | 0    | -8.0                 | 22.9         |            | 0         | 73    | 60  | 6  |
| 700  | 3206   | 0            | 12.4  | 18.6                 | 0            | 33         | 244       | 2     | 700  | 3204   | 0            | 13.5        | 22.9                 |              | 6          | 94          | 240   | 10   | 700         | 3219         | 0    | 13.1                 | 21.2         |            | 1         | 84    | 80  | 7  |
| 850  | 1543   | 0            | 23.4  | 23.1                 | 0            | 79         | 18        | 5     | 850  | 1540   | 0            | 23.3        | 28.5                 |              | 6          | 5           | 252   |  | 850         | 1547         | 0    | 27.5                 | 29.4         |            | 0         | 98    | 90  | 9  |
| 1003   | * 111  |              | 23.6  | 7.1                  |              |            |           |       | 1008   | * 57   |              | 21.6        | 21.6                 |              |            |             |       |  | 980         | * 269        |      | 41.9                 | 34.7         |            |           |       |     |    |

# UPPER AIR

# AUGUST 2008

| 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 - ALGERIA</b><br>TAMANRASSET<br>60680 AUG 2008 2248N 00526E OB 3 |        |              |       |                      |              |            |           |       | <b>AFRICA - TUNISIA</b><br>TUNIS-CARTHAGE<br>60715 AUG 2008 3650N 01014E OB 1       |        |              |       |                      |              |            |           |       | <b>AFRICA - MAURITANIA</b><br>NOUADHIBOU<br>61415 AUG 2008 2056N 01702W OB /                       |        |              |      |                      |              |            |           |       |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030   |        |              |       |                      |              |            |           |       | 030  |        |              |      |                      |              |            |           |       |     |    |
| 050  | 20779  | 0            | -62.7 |                      | 9            | 94         | 100       | 15    | 050   |        | 0            | -52.5 | 33.0                 |              | 9          | 98        | 105   | 10   | 050    |              |      |                      |              |            |           |       |     |    |
| 100  | 16655  | 0            | -76.4 |                      | 2            | 92         | 120       | 11    | 100   |        | 0            | -58.2 | 31.1                 |              | 9          | 93        | 114   | 9  | 100    | 16612        | 0    | -75.3                | 11.8         |            | 1         | 94    | 103 | 10 |
| 150  | 14270  | 0            | -65.4 |                      | 0            | 78         | 140       | 7     | 150   |        | 0            | -66.3 | 25.6                 |              | 0          | 91        | 225   | 9  | 150    | 14239        | 0    | -67.0                | 12.5         |            | 1         | 46    | 148 | 4  |
| 200  | 12467  | 0            | -52.2 |                      | 0            | 53         | 160       | 4     | 200   |        | 0            | -59.7 | 27.6                 |              | 0          | 93        | 251   | 19   | 200    | 12446        | 0    | -53.1                | 17.4         |            | 1         | 27    | 191 | 2  |
| 300  | 9722   | 0            | -31.4 | 26.2                 | 1            | 20         | 140       | 1     | 300   | 9641   | 0            | -36.3 | 22.6                 |              | 0          | 58        | 283   | 7  | 300    | 9710         | 0    | -32.1                | 20.1         |            | 1         | 43    | 115 | 3  |
| 500  | 5916   | 0            | -7.2  | 22.6                 | 0            | 91         | 60        | 7     | 500   | 5892   | 0            | -8.4  | 21.4                 |              | 0          | 87        | 297   | 9  | 500    | 5915         | 0    | -8.0                 | 13.8         |            | 1         | 92    | 95  | 10 |
| 700  | 3204   | 0            | 13.4  | 16.8                 | 0            | 72         | 80        | 4     | 700   | 3193   | 0            | 9.8   | 21.2                 |              | 0          | 81        | 296   | 7  | 700    | 3207         | 0    | 12.5                 | 14.4         |            | 1         | 83    | 89  | 9  |
| 850  | 1527   | 0            | 28.7  | 28.6                 | 0            | 50         | 110       | 3     | 850   | 1551   | 0            | 19.9  | 18.7                 |              | 0          | 65        | 292   | 3  | 850    | 1540         | 0    | 25.7                 | 23.0         |            | 1         | 80    | 73  | 8  |
| 864  | *1364  |              | 29.5  | 25.8                 |              |            |           |       | 1014  | * 4    |              | 32.0  | 14.1                 |              |            |           |       | 1011   | * 5    |              | 25.1 | 4.9                  |              |            |           |       |     |    |
| <b>AFRICA - SENEGAL</b><br>DAKAR/YOFF<br>61641 AUG 2008 1444N 01730W OB 3  |        |              |       |                      |              |            |           |       | <b>AFRICA - OCEAN ISLANDS</b><br>ST. HELENA IS.<br>61901 AUG 2008 1556S 00540W OB 3 |        |              |       |                      |              |            |           |       | <b>AFRICA - OCEAN ISLANDS</b><br>PORT-AUX-FRANCAIS (ILES KERG)<br>61998 AUG 2008 4918S 07012E OB 2 |        |              |      |                      |              |            |           |       |     |    |
| 030  | 23918  | 0            | -55.3 | 31.9                 | 5            | 91         | 90        | 12    | 030   | 23857  | 0            | -54.6 | 31.1                 |              | 9          | 36        | 295   | 2  | 030    |              |      |                      |              |            |           |       |     |    |
| 050  | 20717  | 0            | -62.4 | 28.1                 | 2            | 93         | 90        | 12    | 050   | 20651  | 0            | -63.7 | 26.5                 |              | 9          | 63        | 249   | 4  | 050    | 20043        | 0    | -63.0                | 27.2         |            | 6         | 99    | 271 | 51 |
| 100  | 16583  | 0            | -76.2 | 7.3                  | 0            | 93         | 95        | 12    | 100   | 16529  | 0            | -74.2 | 13.1                 |              | 9          | 68        | 266   | 7  | 100    | 15733        | 0    | -60.8                | 26.5         |            | 2         | 98    | 272 | 44 |
| 150  | 14224  | 0            | -68.1 | 7.3                  | 0            | 93         | 100       | 13    | 150   | 14141  | 0            | -68.0 | 11.7                 |              | 9          | 95        | 273   | 19   | 150    | 13182        | 0    | -58.3                | 21.4         |            | 0         | 96    | 273 | 41 |
| 200  | 12438  | 0            | -53.6 | 9.2                  | 0            | 84         | 100       | 9     | 200   | 12362  | 0            | -54.8 | 17.1                 |              | 9          | 95        | 293   | 21   | 200    | 11381        | 0    | -60.7                | 11.2         |            | 0         | 94    | 271 | 39 |
| 300  | 9698   | 0            | -31.1 | 11.8                 | 0            | 84         | 95        | 6     | 300   | 9644   | 0            | -33.4 | 26.1                 |              | 9          | 93        | 282   | 17   | 300    | 8825         | 0    | -51.8                | 7.7          |            | 1         | 87    | 274 | 36 |
| 500  | 5881   | 0            | -6.2  | 8.7                  | 0            | 88         | 90        | 10    | 500   | 5850   | 0            | -5.9  | 41.5                 |              | 9          | 85        | 255   | 9  | 500    | 5336         | 0    | -27.3                | 19.2         |            | 0         | 87    | 277 | 27 |
| 700  | 3167   | 0            | 10.8  | 8.2                  | 0            | 90         | 90        | 10    | 700   | 3150   | 0            | 8.6   | 41.7                 |              | 9          | 48        | 265   | 3  | 700    | 2833         | 0    | -11.9                | 14.1         |            | 0         | 90    | 273 | 19 |
| 850  | 1518   | 0            | 19.2  | 5.0                  | 0            | 25         | 140       | 2     | 850   | 1532   | 0            | 9.3   | 6.5                  |              | 9          | 86        | 130   | 7  | 850    | 1323         | 0    | -4.2                 | 10.8         |            | 0         | 87    | 274 | 14 |
| 1008   | * 27   |              | 27.6  | 3.5                  |              |            |           |       | 969   | * 436  |              | 17.6  | 6.4                  |              |            |           |       | 1000   | * 29   |              | 2.1  | 2.0                  |              |            |           |       |     |    |
| <b>AFRICA - EGYPT</b><br>MERSA MATRUH<br>62306 AUG 2008 3120N 02713E OB 3  |        |              |       |                      |              |            |           |       | <b>AFRICA - EGYPT</b><br>EL ARISH<br>62337 AUG 2008 3105N 03349E OB                 |        |              |       |                      |              |            |           |       | <b>AFRICA - EGYPT</b><br>HELWAN<br>62378 AUG 2008 2952N 03120E OB 3                                |        |              |      |                      |              |            |           |       |     |    |
| 030  | 24090  | 0            | -54.7 | 32.8                 | 9            | 99         | 92        | 19    | 030   | 24086  | 0            | -54.2 | 32.4                 |              | 6          | 99        | 95    | 14   | 030    | 24075        | 0    | -55.2                | 32.2         |            | 3         | 99    | 80  | 20 |
| 050  | 20880  | 0            | -62.6 | 30.0                 | 7            | 97         | 99        | 11    | 050   | 20863  | 0            | -62.0 | 30.3                 |              | 4          | 99        | 95    | 13   | 050    | 20869        | 0    | -63.2                | 29.9         |            | 2         | 97    | 85  | 13 |
| 100  | 16763  | 0            | -73.7 | 22.5                 | 0            | 85         | 169       | 8     | 100   | 16759  | 0            | -74.5 | 23.8                 |              | 2          | 65        | 115   | 6  | 100    | 16766        | 0    | -74.7                | 20.3         |            | 2         | 88    | 135 | 9  |
| 150  | 14333  | 0            | -61.4 | 27.2                 | 0            | 83         | 210       | 8     | 150   | 14335  | 0            | -61.4 | 29.1                 |              | 2          | 51        | 205   | 4  | 150    | 14344        | 0    | -61.6                | 26.5         |            | 1         | 64    | 170 | 5  |
| 200  | 12496  | 0            | -48.3 | 33.1                 | 0            | 89         | 235       | 8     | 200   | 12497  | 0            | -48.0 | 33.1                 |              | 2          | 69        | 240   | 5  | 200    | 12508        | 0    | -48.3                | 31.7         |            | 1         | 63    | 215 | 4  |
| 300  | 9706   | 0            | -27.6 | 40.3                 | 0            | 92         | 253       | 9     | 300   | 9708   | 0            | -28.2 | 37.9                 |              | 1          | 88        | 245   | 8  | 300    | 9720         | 0    | -28.2                | 37.2         |            | 0         | 78    | 245 | 7  |
| 500  | 5855   | 0            | -4.5  | 44.8                 | 0            | 55         | 281       | 4     | 500   | 5858   | 0            | -4.1  | 45.2                 |              | 0          | 79        | 235   | 6  | 500    | 5862         | 0    | -3.2                 | 46.4         |            | 0         | 72    | 245 | 5  |
| 700  | 3131   | 0            | 11.0  | 36.0                 | 0            | 52         | 1         | 3     | 700   | 3128   | 0            | 12.3  | 34.8                 |              | 1          | 82        | 220   | 6  | 700    | 3128         | 0    | 11.6                 | 38.5         |            | 0         | 13    | 260 | 1  |
| 850  | 1486   | 0            | 21.2  | 24.7                 | 0            | 73         | 326       | 4     | 850   | 1475   | 0            | 22.5  | 27.6                 |              | 0          | 52        | 295   | 5  | 850    | 1479         | 0    | 21.9                 | 23.5         |            | 0         | 75    | 325 | 4  |
| 1004   | * 28   |              | 24.7  | 6.8                  |              |            |           |       | 1002  | * 32   |              | 31.4  | 3.6                  |              |            |           |       | 990  | * 141  |              | 26.5 | 11.4                 |              |            |           |       |     |    |

# UPPER AIR

# AUGUST 2008

| 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 - EGYPT</b><br>SOUTH OF VALLEY UNIVERSITY<br>62403 AUG 2008 2612N 03245E OB |        |              |       |                      |              |            |           |       | <b>AFRICA - ETHIOPIA</b><br>ADDIS ABABA-BOLE<br>63450 AUG 2008 0902N 03845E OB 2             |             |              |       |                      |              |            |           |       | <b>AFRICA - CENTRAL AFRICAN REPUBLIC</b><br>BANGUI<br>64650 AUG 2008 0424N 01831E OB / |        |              |             |                      |              |            |           |       |
| 030   | 24034  | 0            | -54.8 | 32.3                 | 7            | 91         | 91        | 18    | 030  | 23900       | 0            | -55.5 | 31.6                 | 9            | 60         | 173       | 2     | 030  | 23895  | 0            | -56.3       |                      | 9            | 60         | 220       | 4     |
| 050   | 20829  | 0            | -63.1 | 30.0                 | 3            | 97         | 95        | 18    | 050  | 20702       | 0            | -63.2 | 29.9                 | 5            | 90         | 89        | 5     | 050  | 20692  | 0            | -63.1       |                      | 9            | 38         | 170       | 4     |
| 100   | 16743  | 0            | -76.2 | 20.7                 | 1            | 94         | 100       | 18    | 100  | 16568       | 0            | -76.2 | 20.7                 | 5            | 95         | 91        | 10    | 100  | 16609  | 0            | -74.8       | 22.1                 | 7            | 75         | 133       | 6     |
| 150   | 14339  | 0            | -62.9 | 26.1                 | 1            | 91         | 105       | 10    | 150  | 14195       | 0            | -67.5 | 28.9                 | 5            | 96         | 93        | 14    | 150  | 14162  | 0            | -69.2       | 27.2                 | 5            | 97         | 87        | 12    |
| 200   | 12514  | 0            | -49.4 | 31.5                 | 1            | 81         | 122       | 5     | 200  | 12412       | 0            | -54.4 | 16.4                 | 5            | 99         | 86        | 11    | 200  | 12372  | 0            | -55.7       | 15.1                 | 5            | 98         | 79        | 10    |
| 300   | 9737   | 0            | -29.0 | 34.5                 | 1            | 33         | 183       | 2     | 300  | 9680        | 0            | -31.6 | 31.9                 | 5            | 99         | 77        | 6     | 300  | 9673   | 0            | -32.0       | 31.5                 | 5            | 96         | 82        | 7     |
| 500   | 5891   | 0            | -3.4  | 37.1                 | 1            | 76         | 220       | 6     | 500  | 5865        | 0            | -6.4  |                      | 4            | 99         | 83        | 4     | 500  | 5586   | 0            | -6.0        | 5.3                  | 3            | 64         | 228       | 3     |
| 700   | 3153   | 0            | 12.7  | 37.4                 | 1            | 72         | 263       | 5     | 700  | 3147        | 0            | 10.6  | 7.1                  | 4            | 25         | 85        | 1     | 700  | 3142   | 0            | 9.0         | 5.5                  | 3            | 60         | 171       | 8     |
| 850   | 1494   | 0            | 25.4  | 26.1                 | 1            | 88         | 311       | 6     | 772  | *2354       |              | 19.3  | 12.7                 |              |            |           |       | 850  | 1510   | 0            | 18.7        |                      | 3            | 66         | 218       | 3     |
| 994   | * 96   |              | 39.6  | 33.4                 |              |            |           |       |  |             |              |       |                      |              |            |           |       | 971  | * 366  |              | 24.8        | 4.0                  |              |            |           |       |
| <b>AFRICA - CHAD</b><br>NDJAMENA<br>64700 AUG 2008 1208N 01502E OB /                  |        |              |       |                      |              |            |           |       | <b>AFRICA - COTE D'IVOIRE</b><br>ABIDJAN<br>65578 AUG 2008 0515N 00356W OB 2                 |             |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br>PIETERSBURG<br>68174 AUG 2008 2350S 02925E OB 2        |        |              |             |                      |              |            |           |       |
| 030   | 23946  | 0            | -56.1 | 27.3                 | 7            | 90         | 100       | 10    | 030  | 23921       | 0            | -55.6 | 30.5                 | 5            | 25         | 276       | 2     | 030  | 23864  | 3            | -54.1       |                      | 3            | 99         | 295       | 3     |
| 050   | 20754  | 0            | -62.7 | 25.6                 | 2            | 92         | 90        | 11    | 050  | 20716       | 0            | -62.0 | 26.9                 | 2            | 14         | 47        | 1     | 050  | 20675  | 1            | -63.1       |                      | 1            | 99         | 223       | 5     |
| 100   | 16613  | 0            | -75.3 | 7.9                  | 0            | 48         | 90        | 10    | 100  | 16574       | 0            | -76.2 | 8.7                  | 2            | 84         | 87        | 11    | 100  | 16524  | 0            | -73.6       |                      | 0            | 99         | 274       | 15    |
| 150   | 14249  | 0            | -68.0 | 7.8                  | 0            | 48         | 90        | 9     | 150  | 14206       | 0            | -67.1 | 10.8                 | 2            | 88         | 83        | 12    | 150  | 14122  | 0            | -66.4       |                      | 0            | 99         | 272       | 25    |
| 200   | 12461  | 0            | -53.3 | 8.5                  | 0            | 47         | 80        | 7     | 200  | 12412       | 0            | -54.4 | 10.5                 | 2            | 97         | 73        | 23    | 200  | 12335  | 0            | -54.7       | 17.6                 | 0            | 99         | 264       | 27    |
| 300   | 9717   | 0            | -30.6 | 9.7                  | 0            | 47         | 90        | 5     | 300  | 9687        | 0            | -32.5 | 8.0                  | 1            | 95         | 77        | 12    | 300  | 9623   | 0            | -34.0       | 25.1                 | 0            | 99         | 262       | 25    |
| 500   | 5893   | 0            | -5.9  | 3.8                  | 0            | 55         | 80        | 6     | 500  | 5875        | 0            | -5.6  | 9.9                  | 1            | 62         | 65        | 3     | 500  | 5850   | 0            | -8.8        | 38.5                 | 0            | 99         | 267       | 9     |
| 700   | 3174   | 0            | 8.9   | 5.1                  | 0            | 47         | 90        | 5     | 700  | 3161        | 0            | 9.8   | 8.6                  | 1            | 18         | 146       | 1     | 700  | 3170   | 0            | 5.6         | 18.0                 | 0            | 99         | 256       | 1     |
| 850   | 1521   | 0            | 21.1  | 6.5                  | 1            | 25         | 90        | 1     | 850  | 1523        | 0            | 16.6  | 1.8                  | 1            | 58         | 279       | 3     | 850  | 1551   | 0            | 17.7        | 16.4                 | 0            | 99         | 24        | 2     |
| 977   | * 295  |              | 26.7  | 11.1                 |              |            |           |       | 1012   | * 8         |              | 25.4  | 2.1                  |              |            |           |       | 883  | *1228  |              | 22.9        | 19.5                 |              |            |           |       |
| <b>AFRICA - SOUTH AFRICA</b><br>UPINGTON<br>68424 AUG 2008 2825S 02116E OB 3          |        |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br>CAPE TOWN INTNL. AIRPORT<br>68816 AUG 2008 3358S 01836E OB 3 |             |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br>PORT ELIZABETH<br>68842 AUG 2008 3359S 02537E OB 3     |        |              |             |                      |              |            |           |       |
| 030   | 23876  | 18           | -54.2 |                      | 9            | 99         | 265       | 9     | 030  | 23825       | 4            | -55.2 |                      | 4            | 99         | 269       | 18    | 030  | 23822  | 12           | -54.8       |                      | 9            | 99         | 269       | 19    |
| 050   | 20675  | 11           | -62.7 |                      | 9            | 99         | 281       | 9     | 050  | 20608       | 1            | -60.4 |                      | 1            | 99         | 206       | 17    | 050  | 20604  | 7            | -60.4       |                      | 7            | 99         | 273       | 16    |
| 100   | 16487  | 8            | -69.1 |                      | 8            | 99         | 276       | 22    | 100  | 16333       | 0            | -63.4 |                      | 0            | 99         | 274       | 28    | 100  | 16344  | 7            | -64.2       |                      | 7            | 99         | 270       | 30    |
| 150   | 14036  | 6            | -63.0 |                      | 6            | 99         | 275       | 37    | 150  | 13817       | 0            | -57.5 |                      | 0            | 99         | 277       | 38    | 150  | 13838  | 7            | -59.0       |                      | 7            | 99         | 273       | 41    |
| 200   | 12234  | 6            | -54.5 | 16.3                 | 6            | 99         | 276       | 46    | 200  | 11981       | 0            | -53.4 | 17.4                 | 0            | 99         | 278       | 44    | 200  | 12014  | 7            | -53.8       | 15.7                 | 7            | 99         | 275       | 45    |
| 300   | 9528   | 5            | -36.4 | 20.1                 | 5            | 99         | 278       | 38    | 300  | 9326        | 0            | -42.6 | 15.3                 | 0            | 99         | 279       | 36    | 300  | 9358   | 6            | -42.5       | 14.3                 | 6            | 99         | 277       | 37    |
| 500   | 5811   | 5            | -11.8 | 24.1                 | 5            | 99         | 282       | 16    | 500  | 5687        | 0            | -16.4 | 20.2                 | 0            | 99         | 278       | 22    | 500  | 5718   | 6            | -16.4       | 20.1                 | 6            | 99         | 277       | 22    |
| 700   | 3152   | 5            | 4.9   | 19.3                 | 5            | 99         | 291       | 9     | 700  | 3077        | 0            | -7    | 20.6                 | 0            | 99         | 282       | 11    | 700  | 3109   | 6            | .0          | 17.3                 | 6            | 99         | 278       | 13    |
| 850   | 1536   | 4            | 15.6  | 20.9                 | 4            | 99         | 326       | 4     | 850  | 1503        | 0            | 7.1   | 13.3                 | 0            | 99         | 298       | 5     | 850  | 1527   | 6            | 8.7         | 11.7                 | 6            | 99         | 282       | 5     |
| 923   | * 851  |              | 11.2  | 15.7                 |              |            |           |       | 1013   | * 46        |              | 10.8  | 1.6                  |              |            |           |       | 1012   | * 69   |              | 12.8        | 2.7                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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 AUG 2008 4021S 00953W OB 3            |        |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br><b>MARION ISLAND</b><br>68994 AUG 2008 4653S 03752E OB 3         |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA (ALASKA)</b><br><b>BARROW/W. POST W. ROGERS</b><br>70026 AUG 2008 7117N 15647W OB 3 |        |              |             |                      |              |            |           |       |    |
| 030  | 23668  | 6            | -56.0 |                      | 6            | 98         | 273       | 30    | 030  | 23131       | 30           | -57.0 |                      |              | 9          | 99        | 272   | 6  | 030    | 24249        | 0           | -47.0                | 25.7         | 0          | 64        | 70    | 2  |
| 050  | 20450  | 4            | -59.7 |                      | 4            | 97         | 270       | 24    | 050  | 20135       | 4            | -62.8 |                      |              | 4          | 99        | 269   | 43   | 050    | 20871        | 0           | -47.9                | 25.1         | 0          | 40        | 68    | 1  |
| 100  | 16130  | 4            | -59.2 |                      | 4            | 96         | 266       | 28    | 100  | 15849       | 0            | -59.0 |                      |              | 0          | 99        | 269   | 37   | 100    | 16302        | 0           | -47.8                | 24.7         | 0          | 14        | 5     | 1  |
| 150  | 13583  | 4            | -57.5 |                      | 4            | 94         | 262       | 31    | 150  | 13299       | 0            | -57.1 |                      |              | 0          | 99        | 270   | 34   | 150    | 13622        | 0           | -47.3                | 23.4         | 0          | 22        | 345   | 2  |
| 200  | 11768  | 4            | -57.6 | 16.3                 | 4            | 86         | 259       | 34    | 200  | 11480       | 0            | -58.1 | 19.2                 |              | 0          | 99        | 270   | 33   | 200    | 11721        | 0           | -48.4                | 19.7         | 0          | 21        | 346   | 2  |
| 300  | 9163   | 4            | -46.9 | 11.6                 | 4            | 78         | 256       | 29    | 300  | 8904        | 0            | -50.7 | 13.4                 |              | 0          | 99        | 270   | 30   | 300    | 9082         | 0           | -48.1                | 9.8          | 0          | 11        | 50    | 2  |
| 500  | 5591   | 4            | -21.3 | 16.3                 | 4            | 77         | 268       | 20    | 500  | 5395        | 0            | -25.7 | 19.1                 |              | 0          | 99        | 265   | 21   | 500    | 5523         | 0           | -22.2                | 15.3         | 0          | 14        | 323   | 2  |
| 700  | 3030   | 4            | -5.7  | 15.6                 | 4            | 72         | 269       | 13    | 700  | 2880        | 0            | -10.2 | 19.1                 |              | 0          | 99        | 263   | 14   | 700    | 2968         | 0           | -6.5                 | 12.2         | 0          | 15        | 18    | 1  |
| 850  | 1486   | 4            | 1.3   | 8.9                  | 4            | 61         | 274       | 9     | 850  | 1365        | 0            | -3.3  | 8.9                  |              | 0          | 99        | 265   | 11   | 850    | 1431         | 0           | .3                   | 10.2         | 0          | 32        | 37    | 2  |
| 1013   | * 54   |              | 8.9   | 3.6                  |              |            |           |       | 1005   | * 22        |              | 2.7   | 2.7                  |              |            |           |       |  | 1014   | * 12         |             | 2.0                  | 1.9          |            |           |       |    |
| <b>N AMERICA - USA (ALASKA)</b><br><b>KOTZEBUE, RALPH WIEN</b><br>70133 AUG 2008 6653N 16236W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - USA (ALASKA)</b><br><b>ANCHORAGE/INT., AK</b><br>70273 AUG 2008 6109N 14950W OB 3 |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA (ALASKA)</b><br><b>ST. PAUL</b><br>70308 AUG 2008 5709N 17013W OB                   |        |              |             |                      |              |            |           |       |    |
| 030  | 24276  | 0            | -46.9 | 25.2                 | 0            | 66         | 112       | 2     | 030  | 24274       | 0            | -47.4 | 31.1                 |              | 0          | 41        | 123   | 2  | 030    | 24150        | 0           | -50.1                | 24.8         | 1          | 49        | 104   | 2  |
| 050  | 20899  | 0            | -47.9 | 24.9                 | 0            | 67         | 113       | 2     | 050  | 20906       | 0            | -48.3 | 30.3                 |              | 0          | 58        | 171   | 2  | 050    | 20817        | 0           | -50.8                | 23.9         | 1          | 36        | 17    | 1  |
| 100  | 16330  | 0            | -47.9 | 24.8                 | 0            | 15         | 352       | 1     | 100  | 16343       | 0            | -48.6 | 28.6                 |              | 0          | 73        | 220   | 4  | 100    | 16329        | 0           | -51.9                | 22.5         | 1          | 78        | 311   | 5  |
| 150  | 13655  | 0            | -47.4 | 24.6                 | 0            | 28         | 316       | 2     | 150  | 13675       | 0            | -48.0 | 26.9                 |              | 0          | 65        | 244   | 4  | 150    | 13696        | 0           | -50.8                | 21.6         | 1          | 75        | 303   | 8  |
| 200  | 11754  | 0            | -48.0 | 20.5                 | 0            | 21         | 314       | 3     | 200  | 11780       | 0            | -49.0 | 20.2                 |              | 0          | 60        | 244   | 6  | 200    | 11822        | 0           | -50.9                | 19.2         | 1          | 62        | 307   | 9  |
| 300  | 9112   | 0            | -47.2 | 7.6                  | 0            | 16         | 328       | 3     | 300  | 9131        | 0            | -45.8 | 11.3                 |              | 0          | 30        | 233   | 4  | 300    | 9172         | 0           | -44.8                | 12.4         | 0          | 56        | 306   | 9  |
| 500  | 5538   | 0            | -20.9 | 11.2                 | 0            | 12         | 319       | 2     | 500  | 5543        | 0            | -20.4 | 8.9                  |              | 0          | 13        | 223   | 1  | 500    | 5565         | 0           | -19.2                | 19.7         | 0          | 56        | 311   | 5  |
| 700  | 2972   | 0            | -5.2  | 9.7                  | 1            | 14         | 343       | 1     | 700  | 2972        | 0            | -4.7  | 5.0                  |              | 0          | 12        | 146   | 1  | 700    | 2980         | 0           | -3.2                 | 18.5         | 0          | 42        | 321   | 3  |
| 850  | 1425   | 0            | 2.7   | 7.0                  | 2            | 15         | 328       | 1     | 850  | 1418        | 0            | 4.4   | 4.2                  |              | 0          | 36        | 143   | 2  | 850    | 1424         | 0           | 3.5                  | 8.3          | 6          | 36        | 305   | 3  |
| 1010   | * 5    |              | 11.0  | 4.5                  |              |            |           |       | 1003   | * 50        |              | 11.2  | 2.4                  |              |            |           |       |  | 1011   | * 13         |             | 7.1                  | .7           |            |           |       |    |
| <b>N AMERICA - USA (ALASKA)</b><br><b>COLD BAY, AK</b><br>70316 AUG 2008 5512N 16240W OB 3         |        |              |       |                      |              |            |           |       | <b>N AMERICA - USA (ALASKA)</b><br><b>YAKUTAT, AK</b><br>70361 AUG 2008 5931N 13940W OB 3        |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA (ALASKA)</b><br><b>ANNETTE ISLAND</b><br>70398 AUG 2008 5502N 13134W OB             |        |              |             |                      |              |            |           |       |    |
| 030  | 24242  | 0            | -47.7 | 23.8                 | 1            | 42         | 114       | 2     | 030  | 24266       | 0            | -48.7 | 23.0                 |              | 4          | 46        | 106   | 2  | 030    | 24182        | 0           | -51.8                | 21.8         | 6          | 66        | 90    | 3  |
| 050  | 20881  | 0            | -49.2 | 22.6                 | 1            | 18         | 172       | 1     | 050  | 20912       | 0            | -49.7 | 22.0                 |              | 1          | 67        | 188   | 3  | 050    | 20876        | 0           | -52.8                | 21.1         | 3          | 62        | 195   | 2  |
| 100  | 16357  | 0            | -50.7 | 21.9                 | 1            | 76         | 286       | 6     | 100  | 16363       | 0            | -49.1 | 20.3                 |              | 2          | 83        | 220   | 7  | 100    | 16406        | 0           | -52.8                | 20.4         | 5          | 77        | 232   | 8  |
| 150  | 13714  | 0            | -50.0 | 20.5                 | 1            | 73         | 291       | 8     | 150  | 13702       | 0            | -48.5 | 18.6                 |              | 2          | 75        | 231   | 8  | 150    | 13783        | 0           | -51.5                | 19.4         | 5          | 70        | 234   | 10 |
| 200  | 11839  | 0            | -50.3 | 14.9                 | 1            | 63         | 299       | 9     | 200  | 11813       | 0            | -50.0 | 13.5                 |              | 2          | 61        | 234   | 10   | 200    | 11919        | 0           | -52.9                | 14.7         | 4          | 58        | 226   | 12 |
| 300  | 9182   | 0            | -43.8 | 6.8                  | 0            | 48         | 294       | 8     | 300  | 9165        | 0            | -44.8 | 5.7                  |              | 2          | 38        | 227   | 8  | 300    | 9270         | 0           | -42.9                | 12.3         | 2          | 48        | 223   | 10 |
| 500  | 5563   | 0            | -18.4 | 9.4                  | 0            | 39         | 319       | 4     | 500  | 5563        | 0            | -18.9 | 8.0                  |              | 0          | 45        | 209   | 5  | 500    | 5626         | 0           | -16.4                | 14.1         | 0          | 61        | 211   | 9  |
| 700  | 2971   | 0            | -3.0  | 8.7                  | 2            | 27         | 337       | 2     | 700  | 2978        | 0            | -3.5  | 6.0                  |              | 0          | 54        | 190   | 4  | 700    | 3020         | 0           | -1.6                 | 7.0          | 0          | 66        | 203   | 6  |
| 850  | 1411   | 0            | 4.0   | 4.5                  | 2            | 33         | 8         | 2     | 850  | 1421        | 0            | 4.0   | 2.3                  |              | 2          | 56        | 146   | 3  | 850    | 1449         | 0           | 6.2                  | 3.5          | 0          | 63        | 187   | 5  |
| 1006   | * 31   |              | 8.7   | .8                   |              |            |           |       | 1008   | * 13        |              | 9.6   | 8.7                  |              |            |           |       |  | 1008   | * 36         |             | 12.4                 | 1.8          |            |           |       |    |

# UPPER AIR

# AUGUST 2008

| 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><b>SHEMYA AFB</b><br>70414 AUG 2008 5243N 17400E OB 3        |        |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br><b>DODGE CITY/MUN., KS.</b><br>72451 AUG 2008 3745N 09958W OB         |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br><b>PITTSBURGH/GREATER PITTSBURG</b><br>72520 AUG 2008 4030N 08013W OB   |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   | 24149       | 0            | -52.1 | 20.4                 |              | 1          | 96        | 87    | 10  | 030    | 24210        | 0           | -50.6                | 14.3         |            | 2         | 97    | 90  | 8  |
| 050   |        |              |       |                      |              |            |           |       | 050   | 20881       | 0            | -57.6 | 15.9                 |              | 1          | 95        | 85    | 7   | 050    | 20918        | 0           | -55.2                | 11.9         |            | 2         | 91    | 88  | 5  |
| 100   |        |              |       |                      |              |            |           |       | 100   | 16608       | 0            | -67.9 | 12.2                 |              | 0          | 47        | 322   | 3   | 100    | 16564        | 0           | -61.3                | 10.0         |            | 0         | 80    | 292 | 7  |
| 150   |        |              |       |                      |              |            |           |       | 150   | 14162       | 0            | -63.7 | 12.9                 |              | 0          | 84        | 296   | 12  | 150    | 14039        | 0           | -58.6                | 10.2         |            | 0         | 92    | 289 | 15 |
| 200   | 12009  | 0            | -52.1 | 15.5                 | 7            | 66         | 285       | 19    | 200   | 12357       | 0            | -53.9 | 13.8                 |              | 0          | 88        | 294   | 14  | 200    | 12211        | 0           | -53.3                | 10.5         |            | 0         | 89    | 287 | 22 |
| 300   | 9307   | 0            | -41.3 | 13.9                 | 5            | 57         | 281       | 14    | 300   | 9640        | 0            | -33.9 | 15.7                 |              | 0          | 78        | 290   | 9   | 300    | 9516         | 0           | -37.3                | 12.8         |            | 0         | 85    | 293 | 16 |
| 500   | 5640   | 0            | -15.2 | 15.7                 | 3            | 58         | 301       | 8     | 500   | 5860        | 0            | -7.7  | 18.7                 |              | 0          | 38        | 295   | 3   | 500    | 5790         | 0           | -10.7                | 18.5         |            | 0         | 76    | 299 | 9  |
| 700   | 3022   | 0            | -6    | 13.5                 | 3            | 40         | 288       | 3     | 700   | 3159        | 0            | 9.4   | 9.2                  |              | 0          | 50        | 220   | 3   | 700    | 3123         | 0           | 4.8                  | 15.3         |            | 0         | 76    | 296 | 7  |
| 850   | 1447   | 0            | 6.7   | 9.1                  | 3            | 10         | 255       | 1     | 850   | 1515        | 0            | 19.5  | 8.1                  |              | 4          | 70        | 205   | 7   | 850    | 1516         | 0           | 13.1                 | 6.8          |            | 1         | 69    | 301 | 4  |
| 1010  | * 31   |              | 9.9   | 1.0                  |              |            |           |       | 925   | * 790       |              | 19.0  | 2.3                  |              |            |           |       |   | 974    | * 373        |             | 15.9                 | 2.0          |            |           |       |     |    |
| <b>N AMERICA - USA</b><br><b>BUFFALO/GREATER BUF. INT.,NY</b><br>72528 AUG 2008 4256N 07844W OB |        |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br><b>NORTH PLATTE/LEE BIRD, NE.</b><br>72562 AUG 2008 4107N 10040W OB 3 |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br><b>MEDFORD/MEDFORD-JACKSON COUN</b><br>72597 AUG 2008 4223N 12250W OB 3 |        |              |             |                      |              |            |           |       |     |    |
| 030   | 24185  | 0            | -51.0 | 31.3                 | 0            | 91         | 81        | 7     | 030   | 24173       | 0            | -52.3 | 28.9                 |              | 2          | 91        | 85    | 7   | 030    | 24177        | 0           | -51.9                | 14.3         |            | 0         | 97    | 80  | 7  |
| 050   | 20895  | 0            | -54.9 | 25.6                 | 0            | 62         | 87        | 3     | 050   | 20902       | 0            | -56.6 | 21.3                 |              | 1          | 85        | 83    | 5   | 050    | 20902        | 0           | -56.6                | 12.6         |            | 0         | 83    | 91  | 4  |
| 100   | 16518  | 0            | -59.8 | 19.4                 | 0            | 78         | 282       | 7     | 100   | 16611       | 0            | -65.5 | 13.6                 |              | 1          | 55        | 284   | 5   | 100    | 16573        | 0           | -62.8                | 10.7         |            | 2         | 76    | 242 | 9  |
| 150   | 13975  | 0            | -57.0 | 19.9                 | 0            | 85         | 290       | 13    | 150   | 14143       | 0            | -62.6 | 13.9                 |              | 1          | 86        | 290   | 15  | 150    | 14065        | 0           | -59.4                | 10.9         |            | 2         | 88    | 239 | 17 |
| 200   | 12135  | 0            | -52.7 | 20.8                 | 0            | 86         | 293       | 20    | 200   | 12335       | 0            | -54.1 | 16.1                 |              | 1          | 88        | 278   | 19  | 200    | 12242        | 0           | -53.5                | 12.1         |            | 2         | 85    | 234 | 20 |
| 300   | 9458   | 0            | -39.7 | 22.3                 | 0            | 65         | 291       | 13    | 300   | 9628        | 0            | -35.1 | 20.0                 |              | 1          | 83        | 285   | 12  | 300    | 9547         | 0           | -37.1                | 15.5         |            | 0         | 79    | 239 | 17 |
| 500   | 5760   | 0            | -11.9 | 20.0                 | 0            | 77         | 297       | 10    | 500   | 5861        | 0            | -8.2  | 16.1                 |              | 1          | 65        | 291   | 6   | 500    | 5809         | 0           | -9.4                 | 19.4         |            | 0         | 80    | 240 | 12 |
| 700   | 3106   | 0            | 3.3   | 12.5                 | 0            | 63         | 294       | 6     | 700   | 3157        | 0            | 9.9   | 11.8                 |              | 1          | 43        | 227   | 3   | 700    | 3124         | 0           | 7.4                  | 16.7         |            | 0         | 67    | 229 | 6  |
| 850   | 1506   | 0            | 11.7  | 6.8                  | 0            | 60         | 303       | 4     | 850   | 1513        | 0            | 18.2  | 6.8                  |              | 3          | 71        | 198   | 7   | 850    | 1499         | 0           | 15.4                 | 11.5         |            | 0         | 8     | 105 | 1  |
| 989   | * 220  |              | 17.1  | 1.7                  |              |            |           |       | 918   | * 849       |              | 17.1  | 2.0                  |              |            |           |       |   | 967    | * 398        |             | 16.7                 | 7.2          |            |           |       |     |    |
| <b>N AMERICA - USA</b><br><b>CHANHASSEN, MN.</b><br>72649 AUG 2008 4451N 09333W OB 2            |        |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br><b>INT.FALLS/FALLS INT. MN.</b><br>72747 AUG 2008 4833N 09323W OB 3   |             |              |       |                      |              |            |           |       | <b>N AMERICA - USA</b><br><b>GREAT FALLS, MT.</b><br>72776 AUG 2008 4727N 11120W OB 2             |        |              |             |                      |              |            |           |       |     |    |
| 030   | 24202  | 0            | -51.1 | 30.1                 | 2            | 87         | 78        | 6     | 030   | 24210       | 0            | -50.2 | 24.4                 |              | 8          | 76        | 89    | 3   | 030    | 24210        | 0           | -51.2                | 14.9         |            | 3         | 86    | 85  | 4  |
| 050   | 20913  | 0            | -55.7 | 24.1                 | 1            | 64         | 47        | 3     | 050   | 20914       | 0            | -54.8 | 22.7                 |              | 6          | 47        | 30    | 2   | 050    | 20918        | 0           | -55.2                | 13.0         |            | 2         | 40    | 114 | 2  |
| 100   | 16563  | 0            | -61.8 | 14.9                 | 1            | 69         | 312       | 7     | 100   | 16538       | 0            | -58.5 | 20.6                 |              | 2          | 67        | 297   | 7   | 100    | 16548        | 0           | -59.7                | 11.2         |            | 2         | 77    | 256 | 9  |
| 150   | 14045  | 0            | -58.8 | 15.7                 | 1            | 77         | 297       | 15    | 150   | 13984       | 0            | -56.0 | 19.1                 |              | 2          | 73        | 295   | 14  | 150    | 14011        | 0           | -57.6                | 11.2         |            | 2         | 80    | 261 | 18 |
| 200   | 12223  | 0            | -54.0 | 17.9                 | 1            | 79         | 297       | 20    | 200   | 12141       | 0            | -53.0 | 15.7                 |              | 2          | 70        | 296   | 16  | 200    | 12178        | 0           | -53.0                | 11.5         |            | 2         | 79    | 259 | 22 |
| 300   | 9538   | 0            | -37.8 | 20.3                 | 1            | 77         | 296       | 16    | 300   | 9459        | 0            | -39.6 | 12.2                 |              | 1          | 67        | 298   | 14  | 300    | 9492         | 0           | -38.6                | 11.9         |            | 2         | 77    | 260 | 19 |
| 500   | 5809   | 0            | -10.1 | 18.1                 | 1            | 75         | 292       | 11    | 500   | 5760        | 0            | -11.9 | 18.7                 |              | 1          | 64        | 287   | 9   | 500    | 5774         | 0           | -11.2                | 15.3         |            | 1         | 74    | 260 | 12 |
| 700   | 3133   | 0            | 5.7   | 14.0                 | 1            | 60         | 293       | 7     | 700   | 3099        | 0            | 4.4   | 16.2                 |              | 2          | 66        | 275   | 7   | 700    | 3107         | 0           | 6.1                  | 12.7         |            | 2         | 76    | 258 | 7  |
| 850   | 1518   | 0            | 14.5  | 8.1                  | 1            | 54         | 267       | 5     | 850   | 1495        | 0            | 12.2  | 7.7                  |              | 2          | 54        | 257   | 5   | 850    | 1483         | 0           | 17.0                 | 15.1         |            | 2         | 70    | 235 | 6  |
| 981   | * 290  |              | 16.1  | 2.3                  |              |            |           |       | 972   | * 362       |              | 11.7  | 2.0                  |              |            |           |       |   | 886    | *1132        |             | 15.0                 | 10.7         |            |           |       |     |    |

# UPPER AIR

# AUGUST 2008

| 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</b><br><b>SPOKANE, WA.</b><br>72786 AUG 2008 4740N 11730W OB        |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>NORMAN WELLS UA,</b><br>71043 AUG 2008 6517N 12640W OB 3     |        |              |             |                      |              |            |             |       | <b>N AMERICA - CANADA</b><br><b>HALL BEACH UA, NU</b><br>71081 AUG 2008 6846N 08113W OB 3 |             |              |       |                      |              |            |           |       |
| 030  | 24243  | 0            | -51.2 | 18.5                 | 1            | 75         | 90        | 4     | 030  | 24295  | 0            | -48.0       | 33.9                 | 1            | 28         | 96          | 1     | 030   | 24279       | 0            | -47.1 | 30.8                 | 8            | 35         | 90        | 2     |
| 050  | 20944  | 0            | -54.4 | 15.6                 | 0            | 33         | 87        | 2     | 050  | 20935  | 0            | -48.7       | 34.0                 | 3            | 50         | 214         | 2     | 050   | 20904       | 0            | -47.8 | 30.7                 | 6            | 35         | 349       | 2     |
| 100  | 16555  | 0            | -58.4 | 12.5                 | 0            | 74         | 249       | 8     | 100  | 16374  | 0            | -48.1       | 34.0                 | 1            | 80         | 242         | 6     | 100   | 16334       | 0            | -48.0 | 30.6                 | 6            | 68         | 297       | 5     |
| 150  | 14001  | 0            | -56.3 | 13.2                 | 0            | 83         | 252       | 19    | 150  | 13699  | 0            | -47.5       | 33.8                 | 1            | 80         | 247         | 9     | 150   | 13659       | 0            | -47.6 | 31.1                 | 5            | 70         | 284       | 7     |
| 200  | 12156  | 0            | -52.5 | 13.5                 | 0            | 83         | 252       | 25    | 200  | 11800  | 0            | -49.0       | 27.5                 | 0            | 76         | 246         | 13    | 200   | 11754       | 0            | -49.3 | 24.6                 | 6            | 62         | 273       | 9     |
| 300  | 9472   | 0            | -38.7 | 14.0                 | 0            | 83         | 248       | 23    | 300  | 9155   | 0            | -45.4       | 6.5                  | 0            | 61         | 245         | 14    | 300   | 9098        | 0            | -45.2 | 11.2                 | 6            | 53         | 266       | 10    |
| 500  | 5763   | 0            | -11.9 | 14.5                 | 0            | 83         | 247       | 15    | 500  | 5554   | 0            | -19.5       | 7.8                  | 1            | 69         | 250         | 9     | 500   | 5512        | 0            | -20.6 | 10.3                 | 4            | 42         | 254       | 6     |
| 700  | 3102   | 0            | 4.7   | 11.1                 | 0            | 69         | 248       | 7     | 700  | 2974   | 0            | -4.4        | 3.4                  | 0            | 67         | 269         | 5     | 700   | 2945        | 0            | -5.3  | 10.0                 | 4            | 38         | 246       | 4     |
| 850  | 1488   | 0            | 15.5  | 13.0                 | 3            | 53         | 237       | 4     | 850  | 1418   | 0            | 3.3         | 2.5                  | 0            | 36         | 297         | 2     | 850   | 1398        | 0            | 1.7   | 4.2                  | 4            | 20         | 240       | 2     |
| 929  | * 728  |              | 12.6  | 6.0                  |              |            |           |       | 1001   | * 95   |              | 9.1         | 3.6                  |              |            |             |       | 1007  | *           |              | 3.1   | 1.6                  |              |            |           |       |
| <b>N AMERICA - CANADA</b><br><b>ALERT UA, NU</b><br>71082 AUG 2008 8230N 06220W OB 3   |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>ST.JOHN'S UA, NFLD</b><br>71801 AUG 2008 4737N 05245W OB 3   |        |              |             |                      |              |            |             |       | <b>N AMERICA - CANADA</b><br><b>SEPT-ILES UA, QUE</b><br>71811 AUG 2008 5013N 06615W OB 3 |             |              |       |                      |              |            |           |       |
| 030  | 24349  | 0            | -43.5 | 34.3                 | 5            | 35         | 101       | 2     | 030  | 24245  | 0            | -50.2       | 32.4                 | 7            | 81         | 79          | 4     | 030   | 24247       | 0            | -49.4 | 33.9                 | 2            | 53         | 68        | 2     |
| 050  | 20924  | 0            | -44.7 | 33.9                 | 2            | 31         | 82        | 2     | 050  | 20951  | 0            | -54.1       | 30.5                 | 2            | 9          | 236         | 1     | 050   | 20929       | 0            | -52.1 | 33.1                 | 2            | 31         | 261       | 2     |
| 100  | 16296  | 0            | -45.6 | 33.9                 | 3            | 25         | 337       | 2     | 100  | 16540  | 0            | -57.0       | 28.7                 | 1            | 91         | 255         | 12    | 100   | 16472       | 0            | -54.3 | 31.7                 | 2            | 76         | 266       | 6     |
| 150  | 13595  | 0            | -46.1 | 33.4                 | 1            | 28         | 283       | 2     | 150  | 13973  | 0            | -56.4       | 25.5                 | 2            | 93         | 253         | 22    | 150   | 13871       | 0            | -53.0 | 30.4                 | 3            | 70         | 263       | 9     |
| 200  | 11687  | 0            | -48.0 | 28.5                 | 0            | 41         | 261       | 5     | 200  | 12136  | 0            | -54.2       | 16.5                 | 1            | 91         | 251         | 31    | 200   | 12014       | 0            | -53.1 | 20.4                 | 2            | 60         | 258       | 9     |
| 300  | 9041   | 0            | -47.5 | 9.0                  | 0            | 61         | 260       | 11    | 300  | 9457   | 0            | -38.1       | 10.8                 | 1            | 88         | 247         | 25    | 300   | 9362        | 0            | -41.7 | 12.0                 | 1            | 37         | 254       | 6     |
| 500  | 5481   | 0            | -22.3 | 8.3                  | 1            | 61         | 254       | 8     | 500  | 5744   | 0            | -12.0       | 15.3                 | 1            | 86         | 251         | 13    | 500   | 5692        | 0            | -14.5 | 12.8                 | 2            | 34         | 262       | 4     |
| 700  | 2929   | 0            | -6.8  | 8.1                  | 0            | 55         | 252       | 4     | 700  | 3091   | 0            | 3.2         | 9.5                  | 1            | 78         | 249         | 8     | 700   | 3062        | 0            | .9    | 7.8                  | 1            | 21         | 282       | 2     |
| 850  | 1392   | 0            | -.4   | 5.7                  | 0            | 39         | 270       | 3     | 850  | 1492   | 0            | 10.8        | 5.3                  | 1            | 61         | 248         | 6     | 850   | 1476        | 0            | 9.3   | 5.0                  |              |            |           |       |
| 1003   | * 76   |              | .4    | 2.2                  |              |            |           |       | 997  | * 140  |              | 15.7        | 2.1                  |              |            |             |       | 1007  | * 55        |              | 15.0  | 2.2                  |              |            |           |       |
| <b>N AMERICA - CANADA</b><br><b>GOOSE UA, NFLD</b><br>71816 AUG 2008 5318N 06022W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>LA GRANDE IV UA, QUE</b><br>71823 AUG 2008 5345N 07340W OB 3 |        |              |             |                      |              |            |             |       | <b>N AMERICA - CANADA</b><br><b>MOOSONEE UA, ONT</b><br>71836 AUG 2008 5116N 08039W OB 3  |             |              |       |                      |              |            |           |       |
| 030  | 24251  | 0            | -49.1 | 34.1                 | 3            | 14         | 74        | 1     | 030  | 24246  | 0            | -49.2       | 33.6                 | 3            | 21         | 106         | 1     | 030   | 24242       | 0            | -49.4 | 31.1                 | 2            | 53         | 65        | 2     |
| 050  | 20925  | 0            | -51.7 | 33.3                 | 5            | 46         | 258       | 3     | 050  | 20916  | 0            | -51.4       | 33.0                 | 3            | 36         | 304         | 2     | 050   | 20923       | 0            | -53.0 | 29.9                 | 3            | 41         | 335       | 2     |
| 100  | 16445  | 0            | -52.8 | 32.8                 | 2            | 89         | 264       | 8     | 100  | 16443  | 0            | -53.1       | 32.2                 | 3            | 77         | 293         | 6     | 100   | 16474       | 0            | -54.6 | 29.5                 | 4            | 73         | 310       | 6     |
| 150  | 13827  | 0            | -51.9 | 32.6                 | 3            | 84         | 270       | 12    | 150  | 13826  | 0            | -52.2       | 30.8                 | 2            | 65         | 288         | 8     | 150   | 13872       | 0            | -52.9 | 28.6                 | 1            | 67         | 299       | 10    |
| 200  | 11965  | 0            | -53.2 | 23.0                 | 2            | 73         | 270       | 13    | 200  | 11969  | 0            | -53.6       | 19.1                 | 2            | 44         | 287         | 7     | 200   | 12012       | 0            | -52.4 | 21.1                 | 2            | 57         | 310       | 11    |
| 300  | 9323   | 0            | -42.3 | 12.7                 | 2            | 60         | 276       | 12    | 300  | 9319   | 0            | -42.8       | 11.4                 | 0            | 36         | 275         | 6     | 300   | 9355        | 0            | -42.2 | 10.7                 | 2            | 42         | 303       | 9     |
| 500  | 5664   | 0            | -15.4 | 12.7                 | 2            | 60         | 283       | 7     | 500  | 5665   | 0            | -15.7       | 12.2                 | 1            | 39         | 275         | 5     | 500   | 5693        | 0            | -14.6 | 13.5                 | 2            | 57         | 303       | 8     |
| 700  | 3041   | 0            | -.2   | 10.1                 | 2            | 42         | 296       | 4     | 700  | 3043   | 0            | .3          | .3                   | 1            | 39         | 261         | 4     | 700   | 3060        | 0            | 1.4   | 11.4                 | 1            | 59         | 293       | 6     |
| 850  | 1459   | 0            | 8.3   | 8.0                  | 2            | 20         | 266       | 2     | 850  | 1459   | 0            | 8.8         | 3.7                  | 1            | 38         | 254         | 4     | 850   | 1473        | 0            | 9.3   | 8.8                  | 1            | 56         | 295       | 5     |
| 1007   | * 39   |              | 14.4  | 4.0                  |              |            |           |       | 975  | * 302  |              | 14.7        | 3.1                  |              |            |             |       | 1012  | * 11        |              | 13.1  | 1.2                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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>THE PAS A UA, MAN</b><br>71867 AUG 2008 5358N 10100W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>KUUJUAQ A, UA, QUE</b><br>71906 AUG 2008 5807N 06825W OB 3  |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>INUKJUAQ A UA, QUE</b><br>71907 AUG 2008 5828N 07805W OB 3     |        |              |       |                      |              |            |           |       |   |
| 030   | 24255  | 0            | -50.3 | 32.4                 | 1            | 57         | 67        | 2     | 030   | 24258  | 0            | -46.6 | 30.5                 |              |            |           |       |  | 030    | 24260        | 0     | -48.8                | 32.4         | 4          | 39        | 79    | 2 |
| 050   | 20945  | 0            | -53.1 | 31.0                 | 1            | 28         | 9         | 1     | 050   | 20913  | 0            | -48.9 | 30.0                 | 4            | 34         | 300       | 2     | 050  | 20921  | 0            | -50.6 | 31.7                 | 5            | 48         | 329       | 2     |   |
| 100   | 16506  | 0            | -55.3 | 30.3                 | 0            | 73         | 284       | 8     | 100   | 16408  | 0            | -51.5 | 29.6                 | 3            | 80         | 291       | 7     | 100  | 16418  | 0            | -51.7 | 30.9                 | 3            | 69         | 298       | 6     |   |
| 150   | 13914  | 0            | -53.6 | 28.6                 | 0            | 73         | 273       | 14    | 150   | 13779  | 0            | -51.4 | 28.5                 | 3            | 74         | 293       | 9     | 150  | 13788  | 0            | -51.1 | 29.7                 | 4            | 65         | 289       | 8     |   |
| 200   | 12058  | 0            | -52.1 | 21.7                 | 1            | 67         | 274       | 16    | 200   | 11913  | 0            | -54.4 | 18.0                 | 4            | 66         | 308       | 12    | 200  | 11922  | 0            | -54.7 | 17.1                 | 4            | 46         | 272       | 8     |   |
| 300   | 9384   | 0            | -40.4 | 12.7                 | 0            | 59         | 266       | 13    | 300   | 9285   | 0            | -43.5 | 9.5                  | 3            | 55         | 311       | 11    | 300  | 9288   | 0            | -42.8 | 8.9                  | 3            | 39         | 268       | 7     |   |
| 500   | 5699   | 0            | -13.2 | 15.1                 | 0            | 63         | 270       | 9     | 500   | 5642   | 0            | -16.3 | 14.1                 | 2            | 57         | 292       | 7     | 500  | 5633   | 0            | -15.2 | 13.7                 | 4            | 50         | 262       | 6     |   |
| 700   | 3053   | 0            | 2.9   | 8.6                  | 0            | 58         | 266       | 7     | 700   | 3029   | 0            | -7    | 12.6                 | 2            | 48         | 265       | 5     | 700  | 3011   | 0            | -.2   | 8.0                  | 3            | 52         | 258       | 5     |   |
| 850   | 1451   | 0            | 12.3  | 6.6                  | 1            | 54         | 252       | 5     | 850   | 1454   | 0            | 6.8   | 6.5                  | 2            | 44         | 255       | 4     | 850  | 1429   | 0            | 8.5   | 5.3                  | 3            | 48         | 261       | 4     |   |
| 977   | * 274  |              | 14.5  | 1.6                  |              |            |           |       | 1007  | * 65   |              | 10.7  | 2.3                  |              |            |           |       |  | 1005   | * 28         |       | 12.9                 | 1.5          |            |           |       |   |
| <b>N AMERICA - CANADA</b><br><b>IQUALUIT UA, NU</b><br>71909 AUG 2008 6345N 06833W OB 3   |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>CHURCHILL A UA, MAN</b><br>71913 AUG 2008 5844N 09404W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>CORAL HARBOUR A UA, NU</b><br>71915 AUG 2008 6412N 08322W OB 3 |        |              |       |                      |              |            |           |       |   |
| 030   | 24254  | 0            | -47.7 | 32.6                 | 2            | 27         | 60        | 2     | 030   | 24268  | 0            | -49.3 | 33.9                 | 3            | 54         | 40        | 3     | 030  | 24275  | 0            | -48.2 | 31.9                 | 7            | 67         | 38        | 4     |   |
| 050   | 20893  | 0            | -49.1 | 32.1                 | 2            | 39         | 354       | 2     | 050   | 20937  | 0            | -51.4 | 33.2                 | 3            | 49         | 343       | 3     | 050  | 20915  | 0            | -49.0 | 31.7                 | 6            | 42         | 339       | 3     |   |
| 100   | 16347  | 0            | -49.7 | 32.3                 | 2            | 71         | 305       | 6     | 100   | 16451  | 0            | -52.2 | 32.9                 | 3            | 79         | 298       | 9     | 100  | 16375  | 0            | -49.6 | 31.6                 | 6            | 69         | 300       | 7     |   |
| 150   | 13693  | 0            | -49.4 | 31.7                 | 1            | 76         | 294       | 10    | 150   | 13821  | 0            | -51.0 | 31.2                 | 3            | 75         | 293       | 13    | 150  | 13720  | 0            | -48.7 | 31.5                 | 7            | 72         | 288       | 10    |   |
| 200   | 11811  | 0            | -52.3 | 22.9                 | 1            | 73         | 294       | 14    | 200   | 11951  | 0            | -51.7 | 21.9                 | 2            | 75         | 292       | 16    | 200  | 11832  | 0            | -50.5 | 25.2                 | 5            | 60         | 277       | 12    |   |
| 300   | 9181   | 0            | -44.3 | 9.6                  | 1            | 70         | 294       | 15    | 300   | 9291   | 0            | -42.0 | 10.2                 | 2            | 64         | 290       | 14    | 300  | 9191   | 0            | -44.4 | 8.6                  | 5            | 48         | 258       | 12    |   |
| 500   | 5564   | 0            | -18.8 | 15.0                 | 1            | 67         | 287       | 9     | 500   | 5634   | 0            | -15.6 | 10.3                 | 1            | 67         | 284       | 10    | 500  | 5565   | 0            | -17.6 | 13.7                 | 4            | 50         | 257       | 9     |   |
| 700   | 2979   | 0            | -3.9  | 11.3                 | 0            | 53         | 291       | 5     | 700   | 3012   | 0            | .3    | 6.6                  | 1            | 57         | 276       | 7     | 700  | 2970   | 0            | -2.9  | 11.5                 | 5            | 43         | 243       | 5     |   |
| 850   | 1424   | 0            | 3.2   | 6.7                  | 0            | 30         | 278       | 2     | 850   | 1428   | 0            | 9.1   | 8.8                  | 1            | 34         | 275       | 4     | 850  | 1411   | 0            | 3.5   | 3.7                  | 5            | 25         | 232       | 3     |   |
| 1008  | * 22   |              | 6.5   | 3.4                  |              |            |           |       | 1004  | * 29   |              | 11.5  | 1.1                  |              |            |           |       |  | 1002   | * 57         |       | 7.3                  | 6.7          |            |           |       |   |
| <b>N AMERICA - CANADA</b><br><b>EUREKA UA, NU</b><br>71917 AUG 2008 7959N 08556W OB 3     |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>RESOLUTE UA, NU</b><br>71924 AUG 2008 7442N 09458W OB 3     |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br><b>CAMBRIDGE BAY UA, NU</b><br>71925 AUG 2008 6908N 10500W OB 3   |        |              |       |                      |              |            |           |       |   |
| 030   | 24312  | 0            | -44.6 | 33.4                 | 1            | 55         | 95        | 2     | 030   | 24298  | 0            | -45.7 | 35.2                 | 8            | 51         | 70        | 2     | 030  | 24282  | 0            | -47.4 | 33.5                 | 1            | 38         | 38        | 2     |   |
| 050   | 20903  | 0            | -45.5 | 33.2                 | 2            | 40         | 69        | 2     | 050   | 20895  | 0            | -46.6 | 34.9                 | 7            | 51         | 347       | 2     | 050  | 20910  | 0            | -47.8 | 33.1                 | 2            | 76         | 288       | 4     |   |
| 100   | 16291  | 0            | -46.1 | 33.3                 | 0            | 15         | 315       | 1     | 100   | 16295  | 0            | -46.5 | 34.9                 | 6            | 70         | 290       | 4     | 100  | 16339  | 0            | -47.7 | 32.7                 | 1            | 80         | 278       | 7     |   |
| 150   | 13595  | 0            | -46.1 | 33.2                 | 0            | 21         | 270       | 2     | 150   | 13599  | 0            | -45.8 | 35.0                 | 7            | 54         | 280       | 4     | 150  | 13654  | 0            | -46.5 | 32.6                 | 2            | 78         | 275       | 10    |   |
| 200   | 11688  | 0            | -48.2 | 27.8                 | 0            | 34         | 234       | 3     | 200   | 11683  | 0            | -46.6 | 30.1                 | 6            | 51         | 258       | 5     | 200  | 11744  | 0            | -47.2 | 28.7                 | 1            | 71         | 270       | 12    |   |
| 300   | 9041   | 0            | -46.7 | 8.7                  | 1            | 43         | 219       | 8     | 300   | 9011   | 0            | -45.3 | 12.8                 | 6            | 32         | 226       | 7     | 300  | 9072   | 0            | -45.6 | 10.8                 | 1            | 65         | 270       | 15    |   |
| 500   | 5476   | 0            | -22.2 | 8.0                  | 0            | 41         | 202       | 5     | 500   | 5446   | 0            | -23.3 | 9.9                  | 9            | 36         | 228       | 5     | 500  | 5491   | 0            | -21.1 | 9.4                  | 1            | 57         | 273       | 8     |   |
| 700   | 2925   | 0            | -7.2  | 9.1                  | 0            | 42         | 212       | 4     | 700   | 2904   | 0            | -7.7  | 7.6                  | 9            | 27         | 225       | 3     | 700  | 2927   | 0            | -5.9  | 8.5                  | 0            | 40         | 288       | 4     |   |
| 850   | 1389   | 0            | -.2   | 5.2                  | 0            | 30         | 186       | 2     | 850   | 1372   | 0            | -.6   | 4.3                  | 8            | 22         | 250       | 2     | 850  | 1385   | 0            | .9    | 4.3                  | 0            | 25         | 309       | 2     |   |
| 1008  | * 10   |              | 2.7   | 1.9                  |              |            |           |       | 1001  | * 46   |              | 1.6   | 1.1                  |              |            |           |       |  | 1005   | * 25         |       | 5.8                  | 5.3          |            |           |       |   |



# UPPER AIR

# AUGUST 2008

| 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>BAKER LAKE UA, NU<br>71926 AUG 2008 6419N 09600W OB 3            |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>FORT SMITH UA,<br>71934 AUG 2008 6001N 11150W OB 3          |             |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>FORT NELSON UA, BC<br>71945 AUG 2008 5850N 12230W OB 3                       |        |              |             |                      |              |            |           |       |
| 030   | 24275  | 0            | -48.5 | 32.2                 | 1            | 54         | 42        | 3     | 030  | 24282       | 0            | -49.2 | 31.1                 | 1            | 43         | 81        | 2     | 030   | 24282  | 0            | -49.1       | 33.4                 | 2            | 43         | 106       | 2     |
| 050   | 20922  | 0            | -49.2 | 32.1                 | 1            | 59         | 330       | 4     | 050  | 20946       | 0            | -51.0 | 30.5                 | 2            | 38         | 282       | 2     | 050   | 20942  | 0            | -50.3       | 32.9                 | 2            | 45         | 211       | 2     |
| 100   | 16387  | 0            | -49.6 | 32.0                 | 2            | 79         | 284       | 8     | 100  | 16442       | 0            | -51.0 | 30.2                 | 0            | 86         | 265       | 8     | 100   | 16428  | 0            | -50.7       | 32.4                 | 1            | 87         | 241       | 8     |
| 150   | 13724  | 0            | -48.2 | 32.2                 | 2            | 79         | 282       | 12    | 150  | 13806       | 0            | -50.4 | 29.4                 | 0            | 84         | 262       | 12    | 150   | 13789  | 0            | -50.5       | 30.8                 | 0            | 81         | 238       | 12    |
| 200   | 11832  | 0            | -49.5 | 24.5                 | 2            | 79         | 281       | 16    | 200  | 11932       | 0            | -52.3 | 19.6                 | 1            | 77         | 256       | 16    | 200   | 11915  | 0            | -52.7       | 19.0                 | 1            | 74         | 239       | 13    |
| 300   | 9176   | 0            | -44.2 | 9.0                  | 1            | 71         | 276       | 15    | 300  | 9282        | 0            | -42.5 | 7.3                  | 2            | 70         | 257       | 14    | 300   | 9273   | 0            | -43.5       | 7.5                  | 1            | 62         | 237       | 11    |
| 500   | 5552   | 0            | -17.7 | 11.0                 | 1            | 70         | 275       | 10    | 500  | 5625        | 0            | -15.6 | 9.0                  | 0            | 71         | 265       | 10    | 500   | 5631   | 0            | -16.4       | 9.5                  | 1            | 68         | 242       | 8     |
| 700   | 2955   | 0            | -2.9  | 8.6                  | 1            | 51         | 282       | 5     | 700  | 3005        | 0            | -1    | 6.0                  | 0            | 60         | 264       | 6     | 700   | 3021   | 0            | -7          | 4.0                  | 1            | 61         | 264       | 5     |
| 850   | 1395   | 0            | 3.9   | 6.2                  | 1            | 23         | 273       | 2     | 850  | 1420        | 0            | 9.9   | 6.3                  | 0            | 45         | 279       | 3     | 850   | 1435   | 0            | 10.8        | 8.1                  | 1            | 31         | 306       | 2     |
| 1006  | * 51   |              | 8.9   | 1.4                  |              |            |           |       | 983  | * 204       |              | 11.6  | 2.0                  |              |            |           |       | 964   | * 382  |              | 10.6        | 1.5                  |              |            |           |       |
| <b>N AMERICA - CANADA</b><br>INUVIK UA, NWT<br>71957 AUG 2008 6819N 13330W OB 3               |        |              |       |                      |              |            |           |       | <b>N AMERICA - CANADA</b><br>WHITEHORSE, UA, YT<br>71964 AUG 2008 6044N 13500W OB 3      |             |              |       |                      |              |            |           |       | <b>N AMERICA - MEXICO</b><br>COLONIA JUAN CARRASCO MAZATL<br>76458 AUG 2008 2312N 10620W OB 3             |        |              |             |                      |              |            |           |       |
| 030   | 24291  | 0            | -47.5 | 34.6                 | 2            | 34         | 148       | 2     | 030  | 24280       | 0            | -47.8 | 34.2                 | 2            | 21         | 122       | 1     | 030   |        |              |             |                      |              |            |           |       |
| 050   | 20920  | 0            | -47.7 | 34.4                 | 2            | 53         | 211       | 3     | 050  | 20921       | 0            | -49.1 | 33.6                 | 1            | 62         | 187       | 3     | 050   |        |              |             |                      |              |            |           |       |
| 100   | 16343  | 0            | -47.2 | 34.6                 | 2            | 78         | 236       | 5     | 100  | 16377       | 0            | -49.2 | 33.5                 | 1            | 83         | 229       | 7     | 100   |        |              |             |                      |              |            |           |       |
| 150   | 13656  | 0            | -46.2 | 34.7                 | 3            | 79         | 242       | 6     | 150  | 13714       | 0            | -49.0 | 33.2                 | 0            | 77         | 231       | 10    | 150   | 0      | -76.4        | 2.1         |                      |              |            | 81        | 10    |
| 200   | 11745  | 0            | -47.1 | 30.5                 | 2            | 67         | 243       | 7     | 200  | 11826       | 0            | -50.3 | 25.5                 | 0            | 68         | 233       | 12    | 200   | 0      | -68.2        | 11.1        |                      |              |            | 278       | 5     |
| 300   | 9091   | 0            | -46.8 | 8.8                  | 3            | 54         | 250       | 9     | 300  | 9181        | 0            | -44.7 | 7.3                  | 1            | 54         | 226       | 12    | 300   | 0      | -39.8        | 8.9         |                      |              |            | 208       | 3     |
| 500   | 5519   | 0            | -21.5 | 9.1                  | 2            | 48         | 267       | 5     | 500  | 5569        | 0            | -18.8 | 7.7                  | 1            | 59         | 228       | 7     | 500   | 0      | -14.7        | 4.7         |                      |              |            | 185       | 2     |
| 700   | 2958   | 0            | -6.1  | 7.6                  | 2            | 41         | 302       | 3     | 700  | 2982        | 0            | -3.1  | 5.4                  | 0            | 61         | 226       | 5     | 700   | 0      | -4.5         | 3.9         |                      |              |            | 230       | 3     |
| 850   | 1418   | 0            | .5    | 5.7                  | 2            | 42         | 328       | 3     | 850  | 1418        | 0            | 6.0   | 3.7                  | 0            | 55         | 172       | 3     | 850   | 0      | 10.3         | 3.5         |                      |              |            | 208       | 2     |
| 1000  | * 103  |              | 4.7   | 1.9                  |              |            |           |       | 927  | * 707       |              | 7.6   | 2.5                  |              |            |           |       | 1008  | * 4    |              | 25.7        | 2.1                  |              |            |           |       |
| <b>N AMERICA - MEXICO</b><br>HACIENDA YLANG YLANG VERACRU<br>76692 AUG 2008 1909N 09607W OB 3 |        |              |       |                      |              |            |           |       | <b>N AMERICA - JAMAICA</b><br>KINGSTON/NORMAN MANLEY<br>78397 AUG 2008 1756N 07647W OB 3 |             |              |       |                      |              |            |           |       | <b>AMERICA - NETHERLANDS ANTILLES &amp; ARUBA</b><br>JULIANA AIRPORT,<br>78866 AUG 2008 1802N 06307W OB 2 |        |              |             |                      |              |            |           |       |
| 030   |        |              |       |                      |              |            |           |       | 030  | 23932       | 0            | -55.3 | 11.9                 | 6            | 98         | 93        | 16    | 030   | 23940  | 10           | -54.7       |                      | 9            | 98         | 88        | 14    |
| 050   |        |              |       |                      |              |            |           |       | 050  | 20725       | 0            | -62.7 | 8.3                  | 6            | 98         | 85        | 17    | 050   | 20703  | 4            | -62.5       |                      | 7            | 99         | 95        | 12    |
| 100   |        |              |       |                      |              |            |           |       | 100  | 16565       | 0            | -74.6 | 8.5                  | 6            | 97         | 75        | 10    | 100   | 16517  | 2            | -73.4       |                      | 4            | 92         | 78        | 6     |
| 150   | 0      | -76.3        |       |                      |              |            | 74        | 11    | 150  | 14183       | 0            | -67.3 | 9.0                  | 5            | 42         | 34        | 5     | 150   | 14220  | 2            | -66.9       |                      | 4            | 26         | 287       | 2     |
| 200   | 0      | -68.1        |       |                      |              |            | 50        | 9     | 200  | 12529       | 0            | -52.3 | 10.2                 | 6            | 28         | 41        | 3     | 200   | 12417  | 2            | -55.3       |                      | 4            | 44         | 279       | 3     |
| 300   | 0      | -41.1        | 11.8  |                      |              |            | 55        | 7     | 300  | 9672        | 0            | -32.3 | 14.0                 | 7            | 49         | 63        | 4     | 300   | 9677   | 1            | -30.0       | 10.9                 | 4            | 33         | 236       | 2     |
| 500   | 0      | -15.9        | 13.3  |                      |              |            | 85        | 6     | 500  | 5869        | 0            | -6.5  | 15.3                 | 6            | 60         | 98        | 4     | 500   | 5874   | 1            | -8.5        | 8.4                  | 5            | 66         | 82        | 4     |
| 700   | 0      | -5.6         | 12.0  |                      |              |            | 265       | 6     | 700  | 3161        | 0            | 9.2   | 10.5                 | 5            | 71         | 108       | 6     | 700   | 3192   | 2            | 9.5         | 5.2                  | 3            | 72         | 92        | 5     |
| 850   | 0      | 9.8          | 9.3   |                      |              |            | 239       | 6     | 850  | 1522        | 0            | 18.0  | 4.9                  | 5            | 81         | 102       | 7     | 850   | 1529   | 1            | 17.9        | 4.2                  | 3            | 83         | 89        | 6     |
| 1008  | * 16   |              | 25.9  | 2.5                  |              |            |           |       | 1011   | * 14        |              | 26.4  | 4.9                  |              |            |           |       | 1013  | * 4    |              | 27.1        | 4.3                  |              |            |           |       |

# UPPER AIR

# AUGUST 2008

| 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 - TRINIDAD AND TOBAGO</b><br>PIARCO INT. AIRPORT,<br>78970 AUG 2008 1037N 06121W OB 2 |        |              |       |                      |              |            |           |       | <b>N AMERICA - CURACAO AND BONAIRE</b><br>HATO AIRPORT, CURACAO<br>78988 AUG 2008 1212N 06858W OB 3 |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>BELEM (AEROPORTO)<br>82193 AUG 2008 0123S 04829W OB 2     |        |              |             |                      |              |            |           |       |  |  |  |  |
| 030  | 23950  | 0            | -55.5 |                      | 9            | 29         | 85        | 2     | 030   | 23935       | 0            | -55.9 |                      | 6            | 72         | 79        | 6     | 030  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 050  | 20752  | 0            | -62.2 |                      | 5            | 80         | 85        | 6     | 050   | 20765       | 0            | -62.0 | 6.2                  | 6            | 85         | 83        | 8     | 050  | 20704  | 0            | -60.6       | 18.4                 | 9            | 44         | 273       | 4     |  |  |  |  |
| 100  | 16602  | 0            | -75.0 |                      | 5            | 88         | 90        | 8     | 100   | 16578       | 0            | -75.5 | 27.9                 | 5            | 90         | 68        | 9     | 100  | 16553  | 0            | -76.2       | 7.2                  | 6            | 67         | 103       | 6     |  |  |  |  |
| 150  | 14225  | 0            | -67.7 |                      | 3            | 40         | 70        | 4     | 150   | 14208       | 0            | -67.7 | 30.0                 | 5            | 54         | 34        | 6     | 150  | 14195  | 0            | -68.1       | 11.6                 | 4            | 23         | 170       | 2     |  |  |  |  |
| 200  | 12439  | 0            | -53.9 |                      | 2            | 55         | 80        | 4     | 200   | 12421       | 0            | -53.6 | 31.5                 | 5            | 33         | 39        | 3     | 200  | 12413  | 0            | -54.1       | 21.3                 | 3            | 50         | 100       | 4     |  |  |  |  |
| 300  | 9705   | 0            | -31.6 | 16.0                 | 1            | 79         | 90        | 6     | 300   | 9684        | 0            | -31.2 | 11.5                 | 5            | 58         | 105       | 4     | 300  | 9679   | 0            | -32.1       | 35.3                 | 1            | 92         | 86        | 12    |  |  |  |  |
| 500  | 5891   | 0            | -5.7  | 16.4                 | 1            | 78         | 85        | 7     | 500   | 5874        | 0            | -6.0  | 8.8                  | 5            | 83         | 98        | 7     | 500  | 5866   | 0            | -6.2        | 29.3                 | 1            | 88         | 68        | 8     |  |  |  |  |
| 700  | 3178   | 0            | 9.5   | 9.3                  | 1            | 78         | 85        | 7     | 700   | 3158        | 0            | 9.4   | 8.1                  | 5            | 89         | 106       | 9     | 700  | 3158   | 0            | 8.6         | 11.4                 | 1            | 86         | 95        | 6     |  |  |  |  |
| 850  | 1538   | 0            | 18.2  | 3.8                  | 1            | 93         | 90        | 7     | 850   | 1514        | 0            | 18.5  | 4.9                  | 5            | 89         | 107       | 7     | 850  | 1523   | 0            | 18.7        | 7.2                  | 1            | 97         | 128       | 9     |  |  |  |  |
| 1012   | * 15   |              | 26.9  | 2.5                  |              |            |           |       | 1004  | * 54        |              | 26.7  | 3.5                  |              |            |           |       | 1010   | * 16   |              | 27.5        | 4.6                  |              |            |           |       |  |  |  |  |
| <b>S AMERICA - BRAZIL</b><br>MANAUS (AEROPORTO)<br>82332 AUG 2008 0309S 05959W OB 2                |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>FORTALEZA<br>82397 AUG 2008 0346S 03836W OB                            |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>FERNANDO DE NORONHA<br>82400 AUG 2008 0351S 03225W OB 2   |        |              |             |                      |              |            |           |       |  |  |  |  |
| 030  |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       | 030  | 23927  | 0            | -55.1       |                      | 9            | 85         | 260       | 11    |  |  |  |  |
| 050  | 20706  | 0            | -61.5 | 17.5                 | 9            | 64         | 285       | 5     | 050   |             |              |       |                      |              |            |           |       | 050  | 20712  | 0            | -62.2       |                      | 4            | 83         | 279       | 10    |  |  |  |  |
| 100  | 16547  | 0            | -75.9 | 7.8                  | 3            | 60         | 85        | 5     | 100   | 16560       | 0            | -75.8 | 7.9                  | 2            | 60         | 88        | 6     | 100  | 16569  | 0            | -75.8       |                      | 0            | 63         | 97        | 6     |  |  |  |  |
| 150  | 14189  | 0            | -69.0 | 10.5                 | 5            | 36         | 184       | 3     | 150   | 14194       | 0            | -67.9 | 11.6                 | 2            | 14         | 307       | 1     | 150  | 14199  | 0            | -67.9       |                      | 0            | 18         | 63        | 2     |  |  |  |  |
| 200  | 12409  | 0            | -54.4 | 18.6                 | 3            | 31         | 73        | 2     | 200   | 12410       | 0            | -54.2 | 18.8                 | 1            | 70         | 80        | 7     | 200  | 12415  | 0            | -54.2       |                      | 0            | 74         | 69        | 10    |  |  |  |  |
| 300  | 9679   | 0            | -31.9 | 33.1                 | 1            | 68         | 86        | 7     | 300   | 9680        | 0            | -32.2 | 21.9                 | 3            | 85         | 72        | 11    | 300  | 9688   | 0            | -32.4       | 21.2                 | 0            | 82         | 72        | 12    |  |  |  |  |
| 500  | 5869   | 0            | -6.6  | 18.5                 | 1            | 87         | 83        | 7     | 500   | 5867        | 0            | -6.3  | 24.4                 | 3            | 94         | 80        | 8     | 500  | 5876   | 0            | -6.2        | 30.0                 | 1            | 75         | 80        | 6     |  |  |  |  |
| 700  | 3166   | 0            | 7.8   | 6.2                  | 1            | 86         | 90        | 6     | 700   | 3159        | 0            | 9.2   | 17.6                 | 2            | 71         | 97        | 5     | 700  | 3166   | 0            | 9.1         | 13.9                 | 1            | 77         | 99        | 5     |  |  |  |  |
| 850  | 1531   | 0            | 18.4  | 5.0                  | 1            | 98         | 95        | 8     | 850   | 1527        | 0            | 16.0  | 5.5                  | 2            | 94         | 137       | 10    | 850  | 1535   | 0            | 16.0        | 4.5                  | 1            | 93         | 123       | 8     |  |  |  |  |
| 1003   | * 84   |              | 26.7  | 4.1                  |              |            |           |       | 1011  | * 26        |              | 26.4  | 5.7                  |              |            |           |       | 1008   | * 56   |              | 26.9        | 26.6                 |              |            |           |       |  |  |  |  |
| <b>S AMERICA - BRAZIL</b><br>NATAL AEROPORTO<br>82599 AUG 2008 0555S 03515W OB 2                   |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>FLORIANO<br>82678 AUG 2008 0646S 04301W OB 2                           |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>PORTO VELHO (AEROPORTO)<br>82824 AUG 2008 0846S 06355W OB |        |              |             |                      |              |            |           |       |  |  |  |  |
| 030  |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       | 030  |        |              |             |                      |              |            |           |       |  |  |  |  |
| 050  | 20691  | 0            | -62.1 | 14.3                 | 9            | 92         | 273       | 11    | 050   | 20710       | 0            | -61.5 | 14.9                 | 6            | 56         | 253       | 5     | 050  | 20692  | 0            | -61.7       |                      | 9            | 69         | 289       | 6     |  |  |  |  |
| 100  | 16556  | 0            | -76.2 | 6.5                  | 9            | 56         | 96        | 5     | 100   | 16565       | 0            | -76.2 | 6.5                  | 2            | 53         | 85        | 5     | 100  | 16545  | 0            | -76.3       |                      | 9            | 31         | 95        | 3     |  |  |  |  |
| 150  | 14191  | 0            | -68.2 | 9.9                  | 9            | 22         | 317       | 2     | 150   | 14198       | 0            | -68.1 | 10.0                 | 2            | 43         | 239       | 3     | 150  | 14177  | 0            | -68.6       |                      | 9            | 67         | 251       | 6     |  |  |  |  |
| 200  | 12407  | 0            | -54.4 | 16.1                 | 9            | 57         | 61        | 6     | 200   | 12417       | 0            | -54.6 | 15.9                 | 2            | 18         | 66        | 2     | 200  | 12397  | 0            | -54.7       |                      | 9            | 21         | 273       | 2     |  |  |  |  |
| 300  | 9680   | 0            | -32.1 | 21.5                 | 9            | 71         | 55        | 9     | 300   | 9690        | 0            | -32.0 | 26.0                 | 1            | 67         | 62        | 7     | 300  | 9673   | 0            | -32.8       | 20.8                 | 9            | 53         | 131       | 4     |  |  |  |  |
| 500  | 5870   | 0            | -6.0  | 24.4                 | 9            | 64         | 80        | 5     | 500   | 5878        | 0            | -6.3  | 29.0                 | 1            | 79         | 83        | 6     | 500  | 5867   | 0            | -6.2        | 26.6                 | 9            | 67         | 102       | 4     |  |  |  |  |
| 700  | 3161   | 0            | 9.0   | 17.1                 | 9            | 60         | 109       | 3     | 700   | 3164        | 0            | 8.6   | 7.8                  | 1            | 36         | 128       | 2     | 700  | 3162   | 0            | 8.7         | 11.6                 | 9            | 73         | 73        | 4     |  |  |  |  |
| 850  | 1531   | 0            | 14.9  | 3.2                  | 9            | 99         | 130       | 11    | 850   | 1536        | 0            | 16.9  | 7.8                  | 0            | 95         | 112       | 9     | 850  | 1525   | 0            | 18.9        | 5.6                  | 9            | 81         | 62        | 4     |  |  |  |  |
| 1011   | * 52   |              | 25.1  | 3.2                  |              |            |           |       | 1001  | * 127       |              | 27.5  | 9.4                  |              |            |           |       | 1002   | * 102  |              | 24.5        | 2.3                  |              |            |           |       |  |  |  |  |

# UPPER AIR

# AUGUST 2008

| 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 RECIFE</b><br>82900 AUG 2008 0803S 03455W OB 2              |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL ALTA FLORESTA (AEROPORTO)</b><br>82965 AUG 2008 0952S 05606W OB / |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL PETROLINA</b><br>82983 AUG 2008 0923S 04029W OB 2         |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |           |       |     |    |
| 050   | 20721  | 0            | -61.9 |                      | 8            | 84         | 272       | 8     | 050   | 20707       | 0            | -62.1 |                      |              | 9          | 40        | 248   | 3   | 050    | 20724        | 0           | -62.3                |              |            | 5         | 53    | 259 | 4  |
| 100   | 16581  | 0            | -75.9 |                      | 6            | 56         | 94        | 5     | 100   | 16552       | 0            | -75.3 |                      |              | 1          | 25        | 88    | 2   | 100    | 16582        | 0           | -76.5                |              |            | 3         | 43    | 81  | 3  |
| 150   | 14208  | 0            | -67.8 |                      | 6            | 32         | 278       | 3     | 150   | 14181       | 0            | -68.2 |                      |              | 2          | 65        | 270   | 7   | 150    | 14209        | 0           | -68.2                |              |            | 2         | 53    | 269 | 5  |
| 200   | 12424  | 0            | -54.4 |                      | 6            | 14         | 33        | 2     | 200   | 12400       | 0            | -54.7 |                      |              | 1          | 61        | 270   | 6   | 200    | 12428        | 0           | -54.7                |              |            | 2         | 28    | 277 | 3  |
| 300   | 9694   | 0            | -31.9 | 22.7                 | 6            | 45         | 55        | 5     | 300   | 9678        | 0            | -32.9 | 24.7                 |              | 1          | 11        | 154   | 1   | 300    | 9702         | 0           | -31.9                | 26.0         |            | 2         | 35    | 39  | 4  |
| 500   | 5875   | 0            | -5.5  | 29.7                 | 6            | 50         | 88        | 4     | 500   | 5870        | 0            | -5.5  | 36.3                 |              | 1          | 64        | 98    | 5   | 500    | 5884         | 0           | -5.6                 | 33.2         |            | 2         | 62    | 73  | 4  |
| 700   | 3161   | 0            | 9.1   | 18.3                 | 6            | 55         | 105       | 3     | 700   | 3162        | 0            | 7.6   | 15.8                 |              | 1          | 75        | 89    | 5   | 700    | 3170         | 0           | 8.8                  | 22.3         |            | 2         | 31    | 95  | 2  |
| 850   | 1532   | 0            | 14.6  | 2.8                  | 6            | 92         | 140       | 8     | 850   | 1528        | 0            | 20.2  | 12.6                 |              | 1          | 88        | 89    | 6   | 850    | 1544         | 0           | 14.6                 | 4.8          |            | 2         | 95    | 120 | 10 |
| 1014  | * 7    |              | 25.9  | 25.8                 |              |            |           |       | 979   | * 288       |              | 21.3  | 5.0                  |              |            |           |       |   | 975    | * 370        |             | 23.3                 | 6.9          |            |           |       |     |    |
| <b>S AMERICA - BRAZIL VILHENA (AEROPORTO)</b><br>83208 AUG 2008 1242S 06006W OB 2 |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL SALVADOR</b><br>83229 AUG 2008 1301S 03831W OB 2                  |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL BOM JESUS DA LAPA</b><br>83288 AUG 2008 1316S 04325W OB 2 |        |              |             |                      |              |            |           |       |     |    |
| 030   | 23888  | 0            | -55.6 |                      | 9            | 95         | 283       | 9     | 030   |             |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |           |       |     |    |
| 050   | 20682  | 0            | -62.6 |                      | 0            | 68         | 273       | 7     | 050   | 20701       | 0            | -62.6 |                      |              | 1          | 64        | 213   | 5   | 050    | 20686        | 0           | -63.1                |              |            | 4         | 60    | 215 | 5  |
| 100   | 16541  | 0            | -75.2 |                      | 0            | 46         | 275       | 3     | 100   | 16568       | 0            | -75.1 |                      |              | 1          | 33        | 354   | 2   | 100    | 16544        | 0           | -75.1                |              |            | 2         | 33    | 344 | 2  |
| 150   | 14162  | 0            | -68.6 |                      | 0            | 72         | 263       | 11    | 150   | 14187       | 0            | -68.0 |                      |              | 1          | 75        | 275   | 9   | 150    | 14165        | 0           | -68.3                |              |            | 0         | 84    | 273 | 11 |
| 200   | 12385  | 0            | -55.1 |                      | 1            | 59         | 267       | 9     | 200   | 12408       | 0            | -54.9 |                      |              | 1          | 68        | 279   | 9   | 200    | 12386        | 0           | -55.1                |              |            | 0         | 75    | 279 | 11 |
| 300   | 9669   | 0            | -33.3 | 27.2                 | 2            | 43         | 231       | 5     | 300   | 9687        | 0            | -32.6 | 25.5                 |              | 1          | 48        | 291   | 6   | 300    | 9670         | 0           | -33.1                | 27.5         |            | 0         | 57    | 298 | 7  |
| 500   | 5871   | 0            | -5.7  | 35.8                 | 2            | 31         | 104       | 2     | 500   | 5880        | 0            | -5.5  | 36.8                 |              | 1          | 14        | 89    | 1   | 500    | 5865         | 0           | -6.1                 | 39.7         |            | 1         | 21    | 131 | 2  |
| 700   | 3162   | 0            | 7.7   | 7.2                  | 2            | 56         | 37        | 3     | 700   | 3170        | 0            | 7.9   | 25.5                 |              | 1          | 40        | 95    | 3   | 700    | 3158         | 0           | 7.1                  | 24.1         |            | 0         | 47    | 120 | 4  |
| 850   | 1526   | 0            | 20.1  | 12.0                 | 3            | 73         | 43        | 4     | 850   | 1551        | 0            | 13.4  | 4.2                  |              | 1          | 92        | 122   | 7   | 850    | 1536         | 0           | 16.0                 | 10.4         |            | 0         | 88    | 111 | 6  |
| 944   | * 612  |              | 21.1  | 4.5                  |              |            |           |       | 1013  | * 51        |              | 24.7  | 3.8                  |              |            |           |       |   | 966    | * 440        |             | 23.5                 | 10.4         |            |           |       |     |    |
| <b>S AMERICA - BRAZIL CUIABA (AEROPORTO)</b><br>83362 AUG 2008 1539S 05606W OB    |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL BRASILIA (AEROPORTO)</b><br>83378 AUG 2008 1552S 04756W OB 3      |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL CARAVELAS</b><br>83498 AUG 2008 1744S 03915W OB 2         |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |           |       |     |    |
| 050   | 20684  | 0            | -64.0 |                      | 7            | 72         | 271       | 7     | 050   | 20713       | 0            | -64.5 |                      |              | 6          | 50        | 234   | 26  | 050    | 20689        | 0           | -64.9                |              |            | 8         | 75    | 227 | 6  |
| 100   | 16544  | 0            | -75.0 |                      | 4            | 79         | 285       | 10    | 100   | 16567       | 0            | -74.2 |                      |              | 2          | 70        | 287   | 7   | 100    | 16553        | 0           | -73.3                |              |            | 9         | 89    | 286 | 8  |
| 150   | 14160  | 0            | -68.1 |                      | 3            | 88         | 268       | 14    | 150   | 14176       | 0            | -67.5 |                      |              | 1          | 90        | 274   | 14  | 150    | 14151        | 0           | -67.3                |              |            | 9         | 89    | 278 | 17 |
| 200   | 12381  | 0            | -55.3 |                      | 3            | 85         | 266       | 15    | 200   | 12394       | 0            | -54.9 |                      |              | 0          | 82        | 278   | 14  | 200    | 12369        | 0           | -55.4                |              |            | 9         | 90    | 277 | 18 |
| 300   | 9667   | 0            | -34.2 | 24.0                 | 3            | 66         | 253       | 10    | 300   | 9682        | 0            | -33.6 | 27.6                 |              | 0          | 71        | 286   | 10  | 300    | 9659         | 0           | -33.9                | 23.4         |            | 9         | 94    | 286 | 15 |
| 500   | 5879   | 0            | -6.3  | 29.8                 | 1            | 35         | 264       | 3     | 500   | 5895        | 0            | -6.6  | 40.8                 |              | 0          | 27        | 221   | 2   | 500    | 5872         | 0           | -6.7                 | 34.2         |            | 9         | 23    | 279 | 2  |
| 700   | 3175   | 0            | 6.8   | 8.7                  | 1            | 56         | 9         | 3     | 700   | 3188        | 0            | 7.6   | 24.6                 |              | 1          | 50        | 118   | 3   | 700    | 3165         | 0           | 7.8                  | 28.9         |            | 9         | 42    | 96  | 3  |
| 850   | 1541   | 0            | 20.2  | 14.1                 | 1            | 68         | 30        | 5     | 850   | 1563        | 0            | 17.0  | 12.2                 |              | 1          | 91        | 68    | 8   | 850    | 1550         | 0           | 12.7                 | 4.6          |            | 9         | 75    | 80  | 5  |
| 992   | * 187  |              | 23.2  | 8.0                  |              |            |           |       | 901   | *1061       |              | 18.6  | 10.4                 |              |            |           |       |   | 1018   | * 3          |             | 23.1                 | 3.6          |            |           |       |     |    |

# UPPER AIR

# AUGUST 2008

| 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>TRINDADE (ILHA)<br>83650 AUG 2008 2030S 02919W OB 2         |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>GALEAO<br>83746 AUG 2008 2249S 04315W OB 2               |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>MARTE<br>83779 AUG 2008 2330S 04638W OB                      |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23880  | 0            | -53.9 |                      | 9            | 25         | 105       | 2     | 030   | 20669       | 0            | -64.3 | 10.4                 |              | 7          | 70        | 267   | 7   | 030    | 20658        | 0           | -63.6                | 11.1         |            | 5         | 80    | 279 | 8  |
| 050  | 20670  | 0            | -65.0 |                      | 6            | 57         | 232       | 4     | 050   | 16509       | 0            | -72.4 | 7.2                  |              | 1          | 93        | 283   | 20  | 050    | 16488        | 0           | -71.5                | 8.1          |            | 2         | 95    | 281 | 20 |
| 100  | 16538  | 0            | -72.5 |                      | 2            | 88         | 270       | 11    | 100   | 14090       | 0            | -65.5 | 9.1                  |              | 0          | 94        | 278   | 26  | 100    | 14062        | 0           | -64.9                | 9.7          |            | 1         | 96    | 277 | 28 |
| 150  | 14124  | 0            | -66.4 |                      | 2            | 95         | 273       | 19    | 150   | 12301       | 0            | -54.9 | 12.1                 |              | 0          | 92        | 279   | 28  | 150    | 12268        | 0           | -54.9                | 12.1         |            | 1         | 92    | 278 | 30 |
| 200  | 12338  | 0            | -55.3 |                      | 1            | 90         | 269       | 23    | 200   | 9599        | 0            | -35.8 | 18.9                 |              | 0          | 86        | 277   | 22  | 200    | 9572         | 0           | -36.7                | 17.6         |            | 1         | 86    | 279 | 23 |
| 300  | 9634   | 0            | -34.7 | 24.1                 | 1            | 86         | 270       | 19    | 300   | 5854        | 0            | -9.0  | 21.5                 |              | 0          | 84        | 278   | 11  | 300    | 5840         | 0           | -10.1                | 25.0         |            | 1         | 86    | 278 | 13 |
| 500  | 5867   | 0            | -8.1  | 34.0                 | 1            | 65         | 288       | 10    | 500   | 3173        | 0            | 6.1   | 16.5                 |              | 0          | 62        | 269   | 4   | 500    | 3164         | 0           | 5.9                  | 18.2         |            | 1         | 69    | 287 | 6  |
| 700  | 3174   | 0            | 6.9   | 33.7                 | 1            | 50         | 100       | 3     | 700   | 1556        | 0            | 14.6  | 13.9                 |              | 0          | 36        | 301   | 2   | 700    | 1546         | 0           | 14.8                 | 8.3          |            | 1         | 35    | 348 | 3  |
| 850  | 1566   | 0            | 10.5  | 3.2                  | 1            | 80         | 75        | 6     | 850   |             |              |       |                      |              |            |           |       |   | 850    |              |             |                      |              |            |           |       |     |    |
| 1021   | * 5    |              | 24.4  | 5.5                  |              |            |           |       | 1018  | * 6         |              | 21.5  | 4.0                  |              |            |           |       |   | 937    | * 722        |             | 17.6                 | 17.4         |            |           |       |     |    |
| <b>S AMERICA - BRAZIL</b><br>FOZ DO IGUAQU (AEROPORTO)<br>83827 AUG 2008 2531S 05435W OB |        |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>CURITIBA (AEROPORTO)<br>83840 AUG 2008 2531S 04910W OB 2 |             |              |       |                      |              |            |           |       | <b>S AMERICA - BRAZIL</b><br>PORTO ALEGRE (AEROPORTO)<br>83971 AUG 2008 3000S 05111W OB 2 |        |              |             |                      |              |            |           |       |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030   | 23848       | 0            | -53.5 | 26.9                 |              | 9          | 56        | 295   | 5   | 030    |              |             |                      |              |            |           |       |     |    |
| 050  | 20610  | 0            | -62.9 | 13.8                 | 4            | 86         | 285       | 10    | 050   | 20630       | 0            | -62.1 | 16.3                 |              | 5          | 86        | 275   | 10  | 050    | 20585        | 0           | -62.0                | 15.1         |            | 8         | 88    | 282 | 11 |
| 100  | 16432  | 0            | -70.8 | 9.6                  | 1            | 98         | 276       | 21    | 100   | 16449       | 0            | -70.3 | 10.3                 |              | 2          | 98        | 278   | 21  | 100    | 16365        | 0           | -66.4                | 11.4         |            | 0         | 96    | 276 | 26 |
| 150  | 13997  | 0            | -63.9 | 12.6                 | 0            | 95         | 274       | 32    | 150   | 14004       | 0            | -63.9 | 13.1                 |              | 2          | 95        | 278   | 32  | 150    | 13883        | 0           | -60.5                | 13.7         |            | 0         | 94    | 276 | 38 |
| 200  | 12201  | 0            | -55.1 | 17.0                 | 0            | 91         | 275       | 37    | 200   | 12208       | 0            | -55.2 | 18.7                 |              | 2          | 93        | 278   | 37  | 200    | 12071        | 0           | -54.6                | 16.5         |            | 0         | 93    | 276 | 44 |
| 300  | 9514   | 0            | -38.1 | 24.0                 | 0            | 90         | 279       | 29    | 300   | 9527        | 0            | -37.8 | 25.9                 |              | 1          | 88        | 280   | 29  | 300    | 9405         | 0           | -41.2                | 21.2         |            | 0         | 93    | 281 | 34 |
| 500  | 5801   | 0            | -10.7 | 27.4                 | 1            | 89         | 276       | 16    | 500   | 5811        | 0            | 10.5  | 26.1                 |              | 1          | 91        | 279   | 16  | 500    | 5741         | 0           | -14.5                | 21.5         |            | 0         | 90    | 282 | 20 |
| 700  | 3135   | 0            | 5.1   | 4.3                  | 0            | 83         | 295       | 10    | 700   | 3150        | 0            | 4.6   | 13.7                 |              | 1          | 83        | 280   | 10  | 700    | 3109         | 0           | 2.2                  | 15.1         |            | 0         | 88    | 289 | 12 |
| 850  | 1518   | 0            | 15.3  | 10.9                 | 0            | 67         | 323       | 7     | 850   | 1539        | 0            | 12.8  | 12.2                 |              | 1          | 56        | 335   | 6   | 850    | 1515         | 0           | 10.0                 | 8.1          |            | 0         | 64    | 295 | 6  |
| 987  | * 180  |              | 15.6  | 2.8                  |              |            |           |       | 916   | * 908       |              | 14.2  | 2.1                  |              |            |           |       |   | 1018   | * 3          |             | 13.9                 | 1.5          |            |           |       |     |    |
| <b>S AMERICA - CHILE</b><br>ANTOFAGASTA<br>85442 AUG 2008 2326S 07027W OB 2              |        |              |       |                      |              |            |           |       | <b>S AMERICA - CHILE</b><br>ISLA DE PASCUA<br>85469 AUG 2008 2710S 10920W OB 1        |             |              |       |                      |              |            |           |       | <b>S AMERICA - CHILE</b><br>SANTO DOMINGO<br>85586 AUG 2008 3339S 07137W OB               |        |              |             |                      |              |            |           |       |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030   |             |              |       |                      |              |            |           |       |   | 030    |              |             |                      |              |            |           |       |     |    |
| 050  | 20627  | 0            | -61.4 | 26.9                 | 4            | 84         | 256       | 9     | 050   |             |              |       |                      |              |            |           |       |   | 050    |              |             |                      |              |            |           |       |     |    |
| 100  | 16481  | 0            | -71.9 | 5.9                  | 0            | 95         | 267       | 18    | 100   | 16407       | 0            | -67.4 | 23.0                 |              | 3          | 98        | 276   | 24  | 100    | 16273        | 0           | -60.7                | 25.6         |            | 3         | 91    | 274 | 23 |
| 150  | 14052  | 0            | -64.4 | 18.8                 | 0            | 97         | 269       | 30    | 150   | 13935       | 0            | -61.7 | 23.2                 |              | 1          | 97        | 278   | 39  | 150    | 13728        | 0           | -56.8                | 25.6         |            | 0         | 97    | 264 | 42 |
| 200  | 12260  | 0            | -55.1 | 19.7                 | 0            | 93         | 260       | 36    | 200   | 12123       | 0            | -54.7 | 21.0                 |              | 0          | 96        | 281   | 47  | 200    | 11896        | 0           | -55.3                | 20.6         |            | 0         | 95    | 263 | 49 |
| 300  | 9564   | 0            | -36.6 | 22.9                 | 0            | 93         | 258       | 30    | 300   | 9443        | 0            | -38.9 | 20.1                 |              | 0          | 94        | 283   | 41  | 300    | 9265         | 0           | -45.3                | 15.6         |            | 0         | 89    | 262 | 36 |
| 500  | 5824   | 0            | -9.9  | 32.5                 | 0            | 86         | 261       | 15    | 500   | 5753        | 0            | -13.6 | 22.6                 |              | 0          | 85        | 281   | 22  | 500    | 5672         | 0           | -19.8                | 17.4         |            | 0         | 88    | 277 | 20 |
| 700  | 3137   | 0            | 8.3   | 35.5                 | 0            | 78         | 311       | 5     | 700   | 3116        | 0            | 1.3   | 15.0                 |              | 0          | 78        | 282   | 10  | 700    | 3085         | 0           | -2.1                 | 18.2         |            | 0         | 82    | 302 | 9  |
| 850  | 1507   | 0            | 17.7  | 36.4                 | 0            | 48         | 92        | 2     | 850   | 1530        | 0            | 8.1   | 4.6                  |              | 0          | 42        | 294   | 4   | 850    | 1512         | 0           | 7.4                  | 19.9         |            | 0         | 52    | 322 | 4  |
| 1003   | * 140  |              | 12.8  | 4.2                  |              |            |           |       | 1014  | * 69        |              | 18.7  | 5.5                  |              |            |           |       |   | 1011   | * 75         |             | 7.0                  | 1.5          |            |           |       |     |    |

# UPPER AIR

# AUGUST 2008

| 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 - CHILE</b><br><b>PUERTO MONTT</b><br>85799 AUG 2008 4126S 07306W OB 2                |        |              |       |                      |              |            |           |       | <b>S AMERICA - CHILE</b><br><b>PUNTA ARENAS</b><br>85934 AUG 2008 5300S 07051W OB 2           |        |              |             |                      |              |            |             |       | <b>S AMERICA - ARGENTINA</b><br><b>RESISTENCIA AERO</b><br>87155 AUG 2008 2727S 05903W OB 2    |             |              |       |                      |              |            |           |       |     |    |
| 030  |        |              |       |                      |              |            |           |       | 030   |        |              |             |                      |              |            |             |       | 030  | 23829       | 0            | -53.1 |                      |              | 9          | 63        | 265   | 5   |    |
| 050  |        |              |       |                      |              |            |           |       | 050   |        |              |             |                      |              |            |             |       | 050  | 20600       | 0            | -55.5 |                      |              | 9          | 87        | 285   | 8   |    |
| 100  |        |              |       |                      |              |            |           |       | 100   | 15541  | 0            | -61.6       | 27.7                 |              | 3          | 95          | 264   | 33   | 100         | 16410        | 0     | -69.6                | 19.7         |            | 9         | 92    | 265 | 19 |
| 150  | 13437  | 0            | -54.9 | 29.4                 | 3            | 95         | 264       | 32    | 150   | 13004  | 0            | -60.8       | 25.7                 |              | 1          | 92          | 265   | 26   | 150         | 13958        | 0     | -63.1                | 23.4         |            | 9         | 94    | 265 | 35 |
| 200  | 11599  | 0            | -54.9 | 21.0                 | 1            | 90         | 264       | 31    | 200   | 11218  | 0            | -62.4       | 19.4                 |              | 1          | 81          | 268   | 19   | 200         | 12154        | 0     | -54.2                | 27.6         |            | 9         | 88    | 265 | 38 |
| 300  | 8998   | 0            | -50.5 | 16.1                 | 1            | 83         | 265       | 33    | 300   | 8702   | 0            | -56.4       | 12.3                 |              | 1          | 52          | 262   | 12   | 300         | 9472         | 0     | -39.2                | 17.4         |            | 9         | 89    | 275 | 32 |
| 500  | 5484   | 0            | -25.7 | 14.1                 | 1            | 84         | 269       | 21    | 500   | 5277   | 0            | -30.6       | 11.4                 |              | 0          | 63          | 255   | 11   | 500         | 5774         | 0     | -12.1                | 20.4         |            | 9         | 89    | 275 | 18 |
| 700  | 2963   | 0            | -9.2  | 9.7                  | 1            | 86         | 286       | 13    | 700   | 2802   | 0            | -14.1       | 9.9                  |              | 0          | 67          | 255   | 10   | 700         | 3114         | 0     | 4.6                  | 13.4         |            | 9         | 67    | 295 | 9  |
| 850  | 1437   | 0            | -1.2  | 2.3                  | 1            | 79         | 292       | 10    | 850   | 1302   | 0            | -5.2        | 5.4                  |              | 0          | 63          | 263   | 9  | 850         | 1507         | 0     | 12.7                 | 11.4         |            | 9         | 22    | 330 | 2  |
| 1004   | * 90   |              | 5.4   | .6                   |              |            |           |       | 997   | * 43   |              | .1          | 2.0                  |              |            |             |       | 1009   | * 53        |              | 12.7  | 2.4                  |              |            |           |       |     |    |
| <b>S AMERICA - ARGENTINA</b><br><b>CORDOBA AERO</b><br>87344 AUG 2008 3119S 06413W OB /            |        |              |       |                      |              |            |           |       | <b>S AMERICA - ARGENTINA</b><br><b>EZEIZA AERO</b><br>87576 AUG 2008 3449S 05832W OB 3        |        |              |             |                      |              |            |             |       | <b>S AMERICA - ARGENTINA</b><br><b>SANTA ROSA AERO</b><br>87623 AUG 2008 3634S 06416W OB /     |             |              |       |                      |              |            |           |       |     |    |
| 030  | 23764  | 0            | -55.0 | 30.2                 | 8            | 92         | 280       | 13    | 030   | 23704  | 0            | -55.7       | 29.5                 |              | 1          | 96          | 275   | 20   | 030         | 23764        | 0     | -55.5                |              |            | 9         | 96    | 268 | 16 |
| 050  | 20536  | 0            | -61.0 | 27.5                 | 6            | 90         | 270       | 13    | 050   | 20493  | 0            | -60.6       | 27.9                 |              | 0          | 95          | 270   | 18   | 050         | 20530        | 0     | -58.4                |              |            | 9         | 94    | 265 | 14 |
| 100  | 16310  | 0            | -66.0 | 23.3                 | 3            | 96         | 275       | 29    | 100   | 16215  | 0            | -61.7       | 27.6                 |              | 0          | 97          | 271   | 30   | 100         | 16208        | 0     | -59.2                |              |            | 9         | 97    | 280 | 27 |
| 150  | 13812  | 0            | -58.9 | 25.6                 | 3            | 94         | 270       | 37    | 150   | 13695  | 0            | -57.5       | 27.0                 |              | 0          | 95          | 275   | 38   | 150         | 13654        | 0     | -55.6                |              |            | 9         | 94    | 275 | 36 |
| 200  | 11982  | 0            | -53.1 | 25.5                 | 3            | 93         | 265       | 44    | 200   | 11857  | 0            | -54.7       | 23.9                 |              | 0          | 93          | 275   | 36   | 200         | 11804        | 0     | -52.4                |              |            | 9         | 95    | 278 | 38 |
| 300  | 9260   | 0            | -43.7 | 16.1                 | 3            | 90         | 265       | 34    | 300   | 9233   | 0            | -46.0       | 16.8                 |              | 0          | 86          | 275   | 34   | 300         | 9176         | 0     | -47.2                | 16.5         |            | 9         | 90    | 275 | 30 |
| 500  | 5705   | 0            | -16.8 | 20.1                 | 3            | 87         | 85        | 17    | 500   | 5643   | 0            | -19.5       | 19.1                 |              | 0          | 90          | 265   | 23   | 500         | 5614         | 0     | -21.7                | 13.3         |            | 9         | 75    | 311 | 21 |
| 700  | 3082   | 0            | 2.8   | 23.2                 | 3            | 73         | 280       | 8     | 700   | 3057   | 0            | -1.9        | 19.4                 |              | 0          | 68          | 265   | 14   | 700         | 3043         | 0     | -3.5                 | 13.6         |            | 9         | 75    | 277 | 9  |
| 850  | 1489   | 0            | 9.2   | 13.6                 | 3            | 34         | 320       | 3     | 850   | 1491   | 0            | 5.7         | 17.3                 |              | 0          | 55          | 265   | 9  | 850         | 1478         | 0     | 6.6                  | 16.3         |            | 9         | 42    | 272 | 5  |
| 960  | * 484  |              | 7.7   | 9.9                  |              |            |           |       | 1015  | * 20   |              | 7.6         | 4.7                  |              |            |             |       | 992  | * 191       |              | 5.0   | 3.2                  |              |            |           |       |     |    |
| <b>S AMERICA - ARGENTINA</b><br><b>COMODORO RIVADAVIA AERO</b><br>87860 AUG 2008 4547S 06730W OB 2 |        |              |       |                      |              |            |           |       | <b>S AMERICA - ISLANDS</b><br><b>MOUNT PLEASANT AIRPORT</b><br>88889 AUG 2008 5149S 05827W OB |        |              |             |                      |              |            |             |       | <b>ANTARCTICA - GERMANY (ANTARCTIC)</b><br><b>NEUMAYER</b><br>89002 AUG 2008 7040S 00815W OB 2 |             |              |       |                      |              |            |           |       |     |    |
| 030  |        | 0            | -62.5 |                      | 4            | 98         | 274       | 42    | 030   | 22936  | 0            | -67.1       | 24.0                 |              | 0          | 97          | 270   | 55   | 030         | 21248        | 0     | -86.6                | 11.4         |            | 4         | 98    | 262 | 31 |
| 050  |        | 0            | -61.7 |                      | 1            | 98         | 269       | 36    | 050   | 19832  | 0            | -65.6       | 24.1                 |              | 0          | 97          | 271   | 46   | 050         | 18456        | 0     | -85.8                | 11.3         |            | 4         | 96    | 260 | 26 |
| 100  |        | 0            | -57.3 |                      | 1            | 96         | 270       | 30    | 100   | 15574  | 0            | -61.4       | 25.9                 |              | 0          | 95          | 270   | 34   | 100         | 14610        | 0     | -80.8                | 11.4         |            | 4         | 89    | 251 | 21 |
| 150  |        | 0            | -56.3 |                      | 1            | 94         | 271       | 28    | 150   | 13050  | 0            | -59.9       | 25.2                 |              | 0          | 93          | 268   | 27   | 150         | 12301        | 0     | -76.3                | 11.8         |            | 4         | 77    | 243 | 16 |
| 200  |        | 0            | -55.7 |                      | 1            | 91         | 267       | 25    | 200   | 11256  | 0            | -60.8       | 20.3                 |              | 0          | 86          | 266   | 21   | 200         | 10627        | 0     | -72.4                | 12.0         |            | 4         | 68    | 234 | 15 |
| 300  |        | 0            | -53.1 | 17.8                 | 1            | 85         | 268       | 21    | 300   | 8725   | 0            | -55.6       | 13.3                 |              | 0          | 57          | 259   | 13   | 300         | 8191         | 0     | -62.6                | 11.5         |            | 4         | 57    | 226 | 13 |
| 500  |        | 0            | -29.0 | 12.5                 | 1            | 80         | 272       | 14    | 500   | 5293   | 0            | -30.2       | 11.9                 |              | 0          | 63          | 260   | 12   | 500         | 4889         | 0     | -41.0                | 10.5         |            | 4         | 50    | 226 | 8  |
| 700  | 2879   | 0            | -10.9 | 12.9                 | 1            | 84         | 257       | 11    | 700   | 2817   | 0            | -13.7       | 13.8                 |              | 0          | 62          | 258   | 8  | 700         | 2527         | 0     | -26.1                | 7.8          |            | 4         | 32    | 217 | 4  |
| 850  | 1373   | 0            | -8    | 9.1                  | 1            | 80         | 250       | 11    | 850   | 1318   | 0            | -5.5        | 5.1                  |              | 0          | 45          | 261   | 6  | 850         | 1105         | 0     | -20.8                | 8.8          |            | 4         | 19    | 102 | 2  |
| 1002   | * 58   |              | 4.7   | 6.6                  |              |            |           |       | 994   | * 74   |              | 1.1         | 1.0                  |              |            |             |       | 983  | * 50        |              | -27.8 | 3.4                  |              |            |           |       |     |    |

# UPPER AIR

# AUGUST 2008

| 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 - JAPAN (ANTARCTIC)<br/>SYOWA</b><br>89532 AUG 2008 6900S 03935E OB 1                       |        |              |       |                      |              |            |           |       | <b>NTARCTICA - UNITED KINGDOM (ANTARCTIC)<br/>HALLEY</b><br>89022 AUG 2008 7535S 02639W OB 2                       |             |              |       |                      |              |            |           |       | <b>NTARCTICA - UNITED KINGDOM (ANTARCTIC)<br/>ROTHERA</b><br>89062 AUG 2008 6734S 06808W OB      |        |              |             |                      |              |            |           |       |  |
| 030   | 21228  | 0            | -85.7 | 9.6                  | 1            | 96         | 267       | 36    | 030  | 21119       | 0            | -86.6 | 11.6                 | 9            | 99         | 239       | 27    | 030  | 21667  | 0            | -80.5       | 14.8                 | 9            | 99         | 262       | 53    |  |
| 050   | 18431  | 0            | -84.5 | 9.6                  | 0            | 96         | 265       | 29    | 050  | 18276       | 0            | -86.3 | 10.4                 | 9            | 90         | 246       | 16    | 050  | 18811  | 0            | -81.7       | 12.4                 | 9            | 96         | 253       | 41    |  |
| 100   | 14563  | 0            | -80.0 | 10.1                 | 0            | 92         | 264       | 21    | 100  | 14519       | 0            | -82.9 | 7.6                  | 5            | 75         | 251       | 13    | 100  | 14831  | 0            | -78.6       | 11.5                 | 9            | 89         | 252       | 25    |  |
| 150   | 12244  | 0            | -75.6 | 10.3                 | 0            | 87         | 262       | 16    | 150  | 12238       | 0            | -78.6 | 7.7                  | 5            | 62         | 244       | 11    | 150  | 12499  | 0            | -74.9       | 11.0                 | 9            | 82         | 253       | 21    |  |
| 200   | 10566  | 0            | -72.2 | 9.7                  | 0            | 80         | 259       | 14    | 200  | 10584       | 0            | -74.5 | 7.9                  | 5            | 45         | 246       | 9     | 200  | 10819  | 0            | -72.1       | 9.8                  | 9            | 67         | 254       | 16    |  |
| 300   | 8134   | 0            | -63.0 | 6.8                  | 0            | 62         | 258       | 10    | 300  | 8173        | 0            | -63.6 | 8.2                  | 5            | 30         | 244       | 7     | 300  | 8378   | 0            | -60.7       | 9.1                  | 9            | 58         | 253       | 14    |  |
| 500   | 4843   | 0            | -42.2 | 3.4                  | 0            | 29         | 258       | 4     | 500  | 4871        | 0            | -40.2 | 7.8                  | 5            | 19         | 251       | 4     | 500  | 5019   | 0            | -35.9       | 9.7                  | 9            | 72         | 254       | 14    |  |
| 700   | 2494   | 0            | -27.6 | 10.0                 | 0            | 3          | 328       | 1     | 700  | 2502        | 0            | -25.8 | 6.8                  | 5            | 19         | 17        | 2     | 700  | 2604   | 0            | -20.8       | 8.2                  | 9            | 61         | 268       | 8     |  |
| 850   | 1083   | 0            | -22.4 | 7.4                  | 0            | 55         | 47        | 6     | 850  | 1078        | 0            | -20.2 | 5.0                  | 5            | 52         | 48        | 6     | 850  | 1149   | 0            | -14.3       | 5.0                  | 9            | 60         | 326       | 5     |  |
| 982   | * 21   |              | -21.8 | 4.2                  |              |            |           |       | 979  | * 35        |              | -22.2 | 2.3                  |              |            |           |       |  | 987    | * 33         |             | -10.3                | 2.5          |            |           |       |  |
| <b>SW PACIFIC - MALAYSIA (PENIN. MALAYSIA)<br/>PENANG/BAYAN LEPAS</b><br>48601 AUG 2008 0518N 10010E OB 3 |        |              |       |                      |              |            |           |       | <b>W PACIFIC - MALAYSIA (PENIN. MALAYSIA)<br/>KOTA BHARU</b><br>48615 AUG 2008 0610N 10210E OB 3                   |             |              |       |                      |              |            |           |       | <b>W PACIFIC - MALAYSIA (PENIN. MALAYSIA)<br/>KUANTAN</b><br>48657 AUG 2008 0347N 10310E OB 3    |        |              |             |                      |              |            |           |       |  |
| 030   | 23914  | 0            | -55.5 | 28.1                 | 9            | 3          | 26        |       | 030  | 23922       | 0            | -55.4 | 28.9                 | 4            | 15         | 86        | 1     | 030  | 23913  | 0            | -55.6       | 27.6                 | 2            | 74         | 269       | 6     |  |
| 050   | 20703  | 0            | -62.1 | 25.4                 | 5            | 13         | 86        | 1     | 050  | 20712       | 0            | -62.2 | 25.4                 | 2            | 65         | 79        | 5     | 050  | 20707  | 0            | -62.2       | 24.2                 | 2            | 47         | 280       | 3     |  |
| 100   | 16559  | 0            | -77.3 | 8.0                  | 0            | 95         | 83        | 18    | 100  | 16569       | 0            | -77.9 | 7.8                  | 0            | 96         | 82        | 19    | 100  | 16562  | 0            | -77.3       | 7.8                  | 2            | 92         | 79        | 15    |  |
| 150   | 14212  | 0            | -68.1 | 8.2                  | 0            | 98         | 76        | 25    | 150  | 14224       | 0            | -68.0 | 8.4                  | 0            | 97         | 76        | 24    | 150  | 14214  | 0            | -68.0       | 8.3                  | 0            | 97         | 77        | 23    |  |
| 200   | 12425  | 0            | -53.4 | 8.1                  | 0            | 96         | 77        | 20    | 200  | 12436       | 0            | -53.5 | 8.8                  | 0            | 96         | 78        | 20    | 200  | 12427  | 0            | -53.6       | 9.4                  | 1            | 96         | 76        | 20    |  |
| 300   | 9681   | 0            | -30.7 | 7.5                  | 0            | 96         | 81        | 12    | 300  | 9693        | 0            | -30.5 | 10.3                 | 0            | 95         | 84        | 12    | 300  | 9686   | 0            | -30.9       | 8.7                  | 0            | 96         | 79        | 13    |  |
| 500   | 5859   | 0            | -5.8  | 4.1                  | 0            | 18         | 107       | 1     | 500  | 5867        | 0            | -5.3  | 4.9                  | 0            | 45         | 109       | 3     | 500  | 5863   | 0            | -5.6        | 5.4                  | 0            | 50         | 106       | 3     |  |
| 700   | 3142   | 0            | 9.8   | 5.3                  | 0            | 57         | 286       | 4     | 700  | 3148        | 0            | 9.7   | 5.1                  | 0            | 48         | 293       | 3     | 700  | 3144   | 0            | 9.8         | 6.0                  | 0            | 46         | 302       | 3     |  |
| 850   | 1498   | 0            | 18.6  | 3.5                  | 0            | 53         | 205       | 2     | 850  | 1504        | 0            | 18.9  | 18.3                 | 0            | 66         | 263       | 3     | 850  | 1500   | 0            | 19.0        | 3.7                  | 0            | 76         | 220       | 4     |  |
| 1008  | * 4    |              | 26.6  | 26.2                 |              |            |           |       | 1009   | * 5         |              | 26.1  | 3.3                  |              |            |           |       | 1007   | * 16   |              | 25.7        | 1.8                  |              |            |           |       |  |
| <b>SW PACIFIC - SINGAPORE<br/>SINGAPORE/CHANGI AIRPORT</b><br>48698 AUG 2008 0122N 10350E OB 3            |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - USA (PACIFIC OCEAN NORTH)<br/>HILO/GEN. LYMAN, HAWAII, HAW</b><br>91285 AUG 2008 1943N 15500W OB 2 |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - NEW CALEDONIA<br/>NOUMEA (NLE-CALEDONIE)</b><br>91592 AUG 2008 2217S 16627E OB 3 |        |              |             |                      |              |            |           |       |  |
| 030   | 23877  | 0            | -55.5 | 31.8                 | 0            | 93         | 270       | 12    | 030  | 23933       | 0            | -55.6 | 12.7                 | 0            | 99         | 97        | 16    | 030  | 23894  | 0            | -52.9       | 24.0                 | 6            | 33         | 77        | 2     |  |
| 050   | 20673  | 0            | -62.3 | 28.6                 | 0            | 87         | 276       | 8     | 050  | 20731       | 0            | -62.7 | 10.8                 | 0            | 98         | 97        | 13    | 050  | 20663  | 0            | -61.2       | 18.1                 | 2            | 62         | 290       | 5     |  |
| 100   | 16531  | 0            | -76.9 | 8.1                  | 0            | 84         | 71        | 10    | 100  | 16579       | 0            | -73.4 | 8.7                  | 0            | 88         | 115       | 6     | 100  | 16488  | 0            | -73.0       | 8.9                  | 0            | 98         | 272       | 24    |  |
| 150   | 14182  | 0            | -68.0 | 9.0                  | 0            | 96         | 74        | 21    | 150  | 14174       | 0            | -66.4 | 9.9                  | 0            | 58         | 229       | 6     | 150  | 14098  | 0            | -66.7       | 8.9                  | 0            | 96         | 271       | 36    |  |
| 200   | 12395  | 0            | -53.7 | 10.4                 | 0            | 96         | 73        | 20    | 200  | 12386       | 0            | -54.8 | 12.4                 | 0            | 73         | 244       | 9     | 200  | 12308  | 0            | -55.4       | 6.1                  | 0            | 96         | 269       | 40    |  |
| 300   | 9659   | 0            | -31.5 | 9.2                  | 0            | 95         | 80        | 13    | 300  | 9668        | 0            | -33.6 | 18.9                 | 0            | 56         | 243       | 5     | 300  | 9598   | 0            | -34.2       | 23.2                 | 0            | 96         | 272       | 35    |  |
| 500   | 5845   | 0            | -6.1  | 6.4                  | 0            | 51         | 102       | 4     | 500  | 5875        | 0            | -5.5  | 31.9                 | 0            | 63         | 110       | 4     | 500  | 5833   | 0            | -9.0        | 18.3                 | 0            | 98         | 277       | 23    |  |
| 700   | 3133   | 0            | 9.2   | 6.5                  | 0            | 42         | 303       | 2     | 700  | 3164        | 0            | 8.1   | 23.9                 | 0            | 82         | 94        | 6     | 700  | 3147   | 0            | 7.1         | 24.7                 | 0            | 92         | 271       | 12    |  |
| 850   | 1494   | 0            | 18.2  | 4.7                  | 0            | 58         | 195       | 3     | 850  | 1546        | 0            | 13.3  | 2.0                  | 0            | 94         | 80        | 5     | 850  | 1538   | 0            | 10.3        | 5.6                  | 0            | 27         | 285       | 2     |  |
| 1007  | * 16   |              | 26.8  | 4.5                  |              |            |           |       | 1016   | * 11        |              | 21.2  | 20.4                 |              |            |           |       | 1011   | * 72   |              | 19.6        | 4.9                  |              |            |           |       |  |

# UPPER AIR

# AUGUST 2008

| 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 - KIRIBATI TARAWA</b><br>91610 AUG 2008 0121N 17250E OB 3                   |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - TUVALU FUNAFUTI</b><br>91643 AUG 2008 0831S 17910E OB 3                   |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - SAMOA AND AMERICAN SAMOA PAGO PAGO/INT.AIRP.</b><br>91765 AUG 2008 1420S 17040W OB 2 |        |              |             |                      |              |            |           |       |     |    |
| 030   | 23903  | 0            | -55.9 |                      | 8            | 91         | 269       | 11    | 030   |             | 0            | -56.1 | 30.2                 |              | 6          | 96        | 269   | 7  | 030    | 23867        | 0           | -55.6                | 20.1         |            | 1         | 90    | 267 | 5  |
| 050   | 20698  | 0            | -62.7 |                      | 8            | 67         | 247       | 5     | 050   |             | 0            | -63.0 | 26.8                 |              | 6          | 93        | 276   | 5  | 050    | 20676        | 0           | -63.8                | 13.9         |            | 1         | 97    | 260 | 12 |
| 100   | 16529  | 0            | -74.3 |                      | 2            | 27         | 71        | 3     | 100   |             | 0            | -76.5 | 9.9                  |              | 5          | 23        | 149   | 1  | 100    | 16548        | 0           | -76.0                | 7.1          |            | 0         | 81    | 263 | 7  |
| 150   | 14159  | 0            | -67.9 |                      | 2            | 71         | 273       | 8     | 150   |             | 0            | -66.2 | 9.2                  |              | 3          | 20        | 253   | 1  | 150    | 14177        | 0           | -68.3                | 8.0          |            | 1         | 67    | 251 | 10 |
| 200   | 12374  | 0            | -54.3 |                      | 2            | 46         | 289       | 6     | 200   |             | 0            | -52.6 | 11.4                 |              | 2          | 21        | 164   | 1  | 200    | 12400        | 0           | -55.4                | 11.3         |            | 0         | 83    | 245 | 12 |
| 300   | 9645   | 0            | -32.3 | 18.4                 | 2            | 2          | 144       | 1     | 300   | 9695        | 0            | -31.8 | 13.3                 |              | 1          | 81        | 106   | 3  | 300    | 9683         | 0           | -33.7                | 17.8         |            | 0         | 68    | 231 | 7  |
| 500   | 5845   | 0            | -6.5  | 18.5                 | 1            | 53         | 92        | 7     | 500   | 5880        | 0            | -5.7  | 16.0                 |              | 0          | 94        | 86    | 5  | 500    | 5883         | 0           | -6.2                 | 26.3         |            | 1         | 48    | 64  | 3  |
| 700   | 3140   | 0            | 8.8   | 15.1                 | 1            | 73         | 92        | 7     | 700   | 3162        | 0            | 10.1  | 5.4                  |              | 0          | 98        | 88    | 6  | 700    | 3171         | 0           | 10.0                 | 18.6         |            | 1         | 85    | 99  | 5  |
| 850   | 1508   | 0            | 16.2  | 5.9                  | 1            | 75         | 97        | 7     | 850   | 1521        | 0            | 17.6  | 3.8                  |              | 0          | 98        | 91    | 5  | 850    | 1533         | 0           | 16.2                 | 4.4          |            | 0         | 93    | 94  | 9  |
| 1011  | * 4    |              | 30.7  | 5.8                  |              |            |           |       | 1011  | * 2         |              | 29.2  | 4.9                  |              |            |           |       |  | 1014   | * 6          |             | 26.4                 | 3.3          |            |           |       |     |    |
| <b>SW PACIFIC - COOK ISLANDS PENRHYN</b><br>91801 AUG 2008 0902S 15800W OB                |        |              |       |                      |              |            |           |       | <b>W PACIFIC - FRENCH POLY. (MARQUESAS IS) ATUONA</b><br>91925 AUG 2008 0949S 13902W OB 1 |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - FRENCH POLY. (SOCIETY IS) TAHITI-FAAA</b><br>91938 AUG 2008 1733S 14937W OB 3        |        |              |             |                      |              |            |           |       |     |    |
| 030   | 23845  | 0            | -56.8 | 22.2                 | 0            | 91         | 268       | 5     | 030   | 23915       | 0            | -56.8 | 22.2                 |              | 5          | 96        | 275   | 13   | 030    | 23883        | 0           | -56.1                |              |            | 7         | 73    | 290 | 4  |
| 050   | 20663  | 0            | -63.9 | 17.1                 | 0            | 94         | 285       | 7     | 050   | 20738       | 0            | -63.0 | 18.0                 |              | 2          | 93        | 269   | 7  | 050    | 20698        | 0           | -63.3                |              |            | 3         | 81    | 291 | 7  |
| 100   | 16536  | 0            | -75.7 | 8.3                  | 1            | 79         | 264       | 6     | 100   | 16580       | 0            | -74.6 | 9.4                  |              | 0          | 59        | 294   | 5  | 100    | 16536        | 0           | -73.4                |              |            | 2         | 92    | 263 | 12 |
| 150   | 14167  | 0            | -68.6 | 9.2                  | 2            | 83         | 252       | 10    | 150   | 14194       | 0            | -66.9 | 10.9                 |              | 0          | 90        | 281   | 14   | 150    | 14134        | 0           | -66.0                |              |            | 1         | 95    | 253 | 21 |
| 200   | 12394  | 0            | -55.6 | 12.5                 | 2            | 84         | 240       | 11    | 200   | 12412       | 0            | -54.3 | 13.8                 |              | 0          | 91        | 285   | 16   | 200    | 12349        | 0           | -55.6                |              |            | 1         | 93    | 243 | 21 |
| 300   | 9680   | 0            | -33.5 | 19.7                 | 2            | 67         | 222       | 7     | 300   | 9686        | 0            | -32.4 | 35.2                 |              | 0          | 76        | 291   | 10   | 300    | 9654         | 0           | -35.3                | 29.3         |            | 0         | 83    | 236 | 15 |
| 500   | 5883   | 0            | -6.2  | 28.2                 | 2            | 58         | 69        | 4     | 500   | 5869        | 0            | -4.3  | 37.6                 |              | 0          | 36        | 130   | 3  | 500    | 5880         | 0           | -7.1                 | 28.3         |            | 0         | 38    | 211 | 4  |
| 700   | 3172   | 0            | 9.5   | 21.6                 | 2            | 81         | 100       | 5     | 700   | 3146        | 0            | 10.2  | 26.0                 |              | 0          | 50        | 78    | 3  | 700    | 3170         | 0           | 9.7                  | 27.8         |            | 0         | 23    | 60  | 2  |
| 850   | 1534   | 0            | 16.4  | 5.7                  | 1            | 95         | 91        | 8     | 850   | 1514        | 0            | 15.3  | 4.1                  |              | 1          | 93        | 107   | 7  | 850    | 1542         | 0           | 14.6                 | 5.2          |            | 0         | 40    | 86  | 2  |
| 1014  | * 1    |              | 28.9  | 4.6                  |              |            |           |       | 1007  | * 53        |              | 27.5  | 5.7                  |              |            |           |       |  | 1016   | * 2          |             | 27.7                 | 9.5          |            |           |       |     |    |
| <b>SW PACIFIC - FRENCH POLY. (TUAMOTU IS) TAKAROA</b><br>91943 AUG 2008 1429S 14502W OB 1 |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - FRENCH POLY. (TUAMOTU IS) RIKITEA</b><br>91948 AUG 2008 2308S 13458W OB 1 |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - FRENCH POLY. (AUSTRAL IS) TUBUAI</b><br>91954 AUG 2008 2321S 14929W OB               |        |              |             |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030   | 23883       | 0            | -55.2 |                      |              | 1          | 31        | 300   | 2  | 030    | 23869        | 0           | -55.1                |              |            | 2         | 30    | 344 | 2  |
| 050   |        |              |       |                      |              |            |           |       | 050   | 20678       | 0            | -61.9 |                      |              | 0          | 93        | 283   | 7  | 050    | 20669        | 0           | -62.6                |              |            | 1         | 83    | 283 | 5  |
| 100   | 16551  | 1            | -73.9 |                      | 1            | 91         | 267       | 10    | 100   | 16465       | 0            | -68.2 |                      |              | 0          | 97        | 269   | 17   | 100    | 16479        | 0           | -70.4                |              |            | 1         | 97    | 266 | 19 |
| 150   | 14154  | 0            | -66.1 |                      | 0            | 91         | 261       | 15    | 150   | 14010       | 0            | -62.7 |                      |              | 0          | 95        | 270   | 27   | 150    | 14050        | 0           | -64.4                |              |            | 0         | 95    | 259 | 29 |
| 200   | 12368  | 0            | -55.0 |                      | 0            | 92         | 262       | 18    | 200   | 12201       | 0            | -54.5 |                      |              | 0          | 93        | 267   | 29   | 200    | 12260        | 0           | -56.0                |              |            | 0         | 94    | 248 | 32 |
| 300   | 9658   | 0            | -34.3 | 34.5                 | 0            | 82         | 245       | 12    | 300   | 9529        | 0            | -39.0 | 23.3                 |              | 0          | 89        | 261   | 22   | 300    | 9582         | 0           | -37.3                | 18.4         |            | 0         | 92    | 253 | 25 |
| 500   | 5872   | 0            | -6.0  | 32.4                 | 0            | 44         | 191       | 4     | 500   | 5818        | 0            | -10.8 | 30.0                 |              | 0          | 80        | 255   | 12   | 500    | 5846         | 0           | -9.7                 | 21.8         |            | 0         | 84    | 259 | 13 |
| 700   | 3159   | 0            | 9.3   | 21.5                 | 0            | 64         | 102       | 5     | 700   | 3147        | 0            | 6.1   | 35.1                 |              | 0          | 50        | 242   | 5  | 700    | 3163         | 0           | 7.2                  | 24.7         |            | 1         | 50    | 271 | 4  |
| 850   | 1528   | 1            | 15.6  | 5.3                  | 1            | 88         | 88        | 8     | 850   | 1540        | 0            | 10.7  | 8.2                  |              | 0          | 8         | 136   | 1  | 850    | 1549         | 0           | 11.4                 | 5.8          |            | 0         | 27    | 25  | 2  |
| 1014  | * 3    |              | 27.2  | 5.3                  |              |            |           |       | 1009  | * 91        |              | 21.8  | 21.2                 |              |            |           |       |  | 1020   | * 3          |             | 23.2                 | 5.6          |            |           |       |     |    |

# UPPER AIR

# AUGUST 2008

| 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 - FRENCH POLY. (AUSTRAL IS) RAPA</b><br>91958 AUG 2008 2737S 14420W OB 1     |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - NEW ZEALAND WHENUAPAI</b><br>93112 AUG 2008 3647S 17430E OB 1            |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - NEW ZEALAND PARAPARAUMU AERODROME</b><br>93417 AUG 2008 4054S 17450E OB 1      |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23874  | 0            | -54.3 |                      | 7            | 9          | 270       | 1     | 030  | 23777       | 0            | -53.5 | 32.4                 |              | 3          | 94        | 274   | 14   | 030    | 23708        | 0           | -54.5                | 31.4         |            |           |       |     |    |
| 050  | 20656  | 0            | -60.9 |                      | 5            | 86         | 281       | 6     | 050  | 20515       | 0            | -57.2 | 31.3                 |              | 0          | 97        | 278   | 16   | 050    | 20451        | 0           | -56.4                | 31.0         |            |           |       |     |    |
| 100  | 16409  | 0            | -66.1 |                      | 3            | 95         | 266       | 20    | 100  | 16135       | 0            | -56.7 | 31.6                 |              | 0          | 97        | 273   | 24   | 100    | 16040        | 0           | -55.2                | 31.5         |            | 4         | 97    | 277 | 22 |
| 150  | 13931  | 0            | -61.3 |                      | 2            | 97         | 260       | 33    | 150  | 13546       | 0            | -53.2 | 32.7                 |              | 0          | 98        | 275   | 33   | 150    | 13434        | 0           | -52.2                | 31.9         |            | 1         | 96    | 276 | 23 |
| 200  | 12123  | 0            | -56.7 |                      | 1            | 93         | 257       | 35    | 200  | 11682       | 0            | -51.4 | 30.8                 |              | 0          | 96        | 275   | 33   | 200    | 11576        | 0           | -53.5                | 27.5         |            | 1         | 89    | 273 | 21 |
| 300  | 9471   | 0            | -40.1 | 15.6                 | 1            | 88         | 255       | 29    | 300  | 9045        | 0            | -49.1 | 20.3                 |              | 0          | 83        | 275   | 24   | 300    | 8966         | 0           | -51.0                | 17.3         |            | 1         | 66    | 266 | 16 |
| 500  | 5785   | 0            | -13.4 | 16.1                 | 1            | 87         | 262       | 18    | 500  | 5523        | 0            | -24.1 | 17.6                 |              | 0          | 76        | 277   | 14   | 500    | 5464         | 0           | -25.4                | 15.8         |            | 1         | 66    | 260 | 12 |
| 700  | 3136   | 0            | 3.5   | 24.5                 | 1            | 63         | 265       | 8     | 700  | 2979        | 0            | -6.2  | 16.7                 |              | 0          | 77        | 268   | 11   | 700    | 2935         | 0           | -8.0                 | 14.5         |            | 1         | 64    | 267 | 9  |
| 850  | 1541   | 0            | 8.5   | 9.3                  | 0            | 20         | 277       | 2     | 850  | 1436        | 0            | 1.7   | 4.3                  |              | 0          | 68        | 265   | 8  | 850    | 1402         | 0           | .3                   | 3.8          |            | 1         | 47    | 272 | 5  |
| 1021   | * 2    |              | 19.6  | 5.9                  |              |            |           |       | 1009   | * 30        |              | 13.1  | 4.2                  |              |            |           |       |  | 1009   | * 12         |             | 11.1                 | 4.4          |            |           |       |     |    |
| <b>SW PACIFIC - NEW ZEALAND INVERCARGILL AERODROME</b><br>93844 AUG 2008 4625S 16810E OB 1 |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - NEW ZEALAND CHATHAM ISLAND</b><br>93986 AUG 2008 4357S 17630W OB 1       |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - NEW ZEALAND RAOUL ISLAND, KERMADEC IS.</b><br>93997 AUG 2008 2915S 17750W OB 1 |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23523  | 0            | -57.5 | 30.6                 |              |            |           |       | 030  | 23610       | 0            | -56.8 | 32.1                 |              | 7          | 98        | 278   | 29   | 030    |              |             |                      |              |            |           |       |     |    |
| 050  | 20298  | 0            | -57.1 | 30.7                 | 1            | 98         | 273       | 27    | 050  | 20373       | 0            | -56.4 | 32.1                 |              | 5          | 95        | 280   | 23   | 050    | 20622        | 0           | -59.1                | 29.4         |            | 6         | 86    | 272 | 9  |
| 100  | 15903  | 0            | -55.7 | 31.2                 | 1            | 96         | 272       | 22    | 100  | 15967       | 0            | -54.5 | 32.4                 |              | 2          | 95        | 278   | 22   | 100    | 16354        | 0           | -65.4                | 21.5         |            | 3         | 97    | 274 | 26 |
| 150  | 13317  | 0            | -54.7 | 30.3                 | 0            | 94         | 268       | 18    | 150  | 13367       | 0            | -53.1 | 33.1                 |              | 0          | 91        | 280   | 19   | 150    | 13871        | 0           | -61.1                | 25.1         |            | 2         | 98    | 273 | 46 |
| 200  | 11485  | 0            | -57.8 | 23.4                 | 0            | 86         | 264       | 14    | 200  | 11511       | 0            | -53.7 | 33.0                 |              | 0          | 86        | 278   | 19   | 200    | 12056        | 0           | -54.2                | 23.1         |            | 1         | 98    | 271 | 59 |
| 300  | 8925   | 0            | -53.3 | 14.2                 | 1            | 65         | 245       | 11    | 300  | 8916        | 0            | -52.1 | 15.6                 |              | 0          | 50        | 284   | 12   | 300    | 9377         | 0           | -39.5                | 18.3         |            | 1         | 97    | 275 | 54 |
| 500  | 5440   | 0            | -26.4 | 13.7                 | 0            | 66         | 230       | 9     | 500  | 5424        | 0            | -26.0 | 13.6                 |              | 0          | 57        | 273   | 10   | 500    | 5706         | 0           | -16.2                | 24.9         |            | 0         | 96    | 278 | 29 |
| 700  | 2919   | 0            | -8.7  | 16.0                 | 0            | 63         | 245       | 7     | 700  | 2899        | 0            | -8.7  | 12.6                 |              | 0          | 49        | 273   | 7  | 700    | 3094         | 0           | -.7                  | 25.8         |            | 0         | 88    | 281 | 14 |
| 850  | 1393   | 0            | -1.6  | 3.3                  | 0            | 58         | 253       | 6     | 850  | 1369        | 0            | .0    | 6.2                  |              | 0          | 37        | 275   | 5  | 850    | 1522         | 0           | 5.6                  | 4.5          |            | 0         | 74    | 278 | 8  |
| 1010   | * 4    |              | 7.1   | 2.5                  |              |            |           |       | 1000   | * 48        |              | 9.4   | 2.9                  |              |            |           |       |  | 1014   | * 49         |             | 20.3                 | 6.8          |            |           |       |     |    |
| <b>SW PACIFIC - INDONESIA MEDAN/POLONIA</b><br>96035 AUG 2008 0334N 09841E OB /            |        |              |       |                      |              |            |           |       | <b>SW PACIFIC - INDONESIA JAKARTA/SOEKARNO-HATTA</b><br>96749 AUG 2008 0607S 10630E OB / |             |              |       |                      |              |            |           |       | <b>SW PACIFIC - INDONESIA MENADO/SAM RATULANGI</b><br>97014 AUG 2008 0132N 12450E OB /         |        |              |             |                      |              |            |           |       |     |    |
| 030  | 23980  | 0            | -56.3 |                      | 9            | 54         | 297       | 8     | 030  | 23856       | 0            | -53.3 | 29.6                 |              | 9          | 10        | 98    | 2  | 030    | 23903        | 0           | -56.4                |              |            | 9         | 95    | 269 | 9  |
| 050  | 20773  | 0            | -61.8 |                      | 9            | 58         | 83        | 7     | 050  | 20693       | 0            | -62.4 | 24.3                 |              | 6          | 92        | 270   | 16   | 050    | 20683        | 0           | -63.0                |              |            | 9         | 64    | 275 | 4  |
| 100  | 16596  | 0            | -75.5 |                      | 9            | 80         | 94        | 17    | 100  | 16251       | 0            | -76.5 | 9.7                  |              | 5          | 44        | 54    | 4  | 100    | 16540        | 0           | -77.6                |              |            | 9         | 50    | 85  | 4  |
| 150  | 14218  | 0            | -66.8 |                      | 9            | 15         | 137       | 4     | 150  | 14195       | 0            | -68.1 | 9.3                  |              | 6          | 81        | 69    | 11   | 150    | 14181        | 0           | -1.0                 |              |            | 9         | 85    | 71  | 13 |
| 200  | 12419  | 0            | -52.5 | 24.8                 | 3            | 93         | 94        | 21    | 200  | 12407       | 0            | -53.3 | 9.9                  |              | 5          | 85        | 61    | 12   | 200    | 12393        | 0           | -54.3                |              |            | 9         | 92    | 73  | 16 |
| 300  | 9670   | 0            | -30.5 | 9.7                  | 2            | 15         | 113       | 3     | 300  | 9668        | 0            | -31.2 | 16.4                 |              | 5          | 88        | 70    | 10   | 300    | 9670         | 0           | -32.0                | 5.2          |            | 9         | 96    | 82  | 12 |
| 500  | 5844   | 0            | -5.6  | 6.2                  | 1            | 29         | 103       | 3     | 500  | 5851        | 0            | -5.9  | 9.7                  |              | 5          | 74        | 84    | 6  | 500    | 5868         | 0           | -6.8                 | 3.1          |            | 9         | 83    | 89  | 7  |
| 700  | 3128   | 0            | 9.4   | 5.3                  | 1            | 32         | 64        | 3     | 700  | 3137        | 0            | 9.4   | 8.1                  |              | 5          | 80        | 81    | 6  | 700    | 3153         | 0           | 5.5                  | 2.9          |            | 9         | 78    | 108 | 5  |
| 850  | 1485   | 0            | 18.8  | 4.1                  | 1            | 13         | 249       | 1     | 850  | 1499        | 0            | 18.0  | 5.4                  |              | 5          | 90        | 107   | 5  | 850    | 1525         | 0           | 17.0                 | 2.2          |            | 9         | 74    | 142 | 4  |
| 1004   | * 25   |              | 27.9  | 5.0                  |              |            |           |       | 1008   | * 8         |              | 25.7  | 2.9                  |              |            |           |       |  | 1002   | * 80         |             | 25.1                 | 2.5          |            |           |       |     |    |



# UPPER AIR

# AUGUST 2008

| 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 - BRUNEI DARUSSALAM<br/>BRUNEI AIRPORT</b><br>96315 AUG 2008 0456N 11450E OB 3          |        |              |       |                      |              |            |           |       | <b>W PACIFIC - MALAYSIA (SABAH AND SARAWAK<br/>KUCHING</b><br>96413 AUG 2008 0129N 11020E OB 3 |        |              |       |                      |              |            |           |       | <b>W PACIFIC - MALAYSIA (SABAH AND SARAWAK<br/>BINTULU</b><br>96441 AUG 2008 0312N 11300E OB 3 |        |              |      |                      |              |            |           |       |     |    |
| 030   |        |              |       |                      |              |            |           |       | 030  | 23918  | 0            | -55.0 | 28.8                 |              | 4          | 91        | 268   | 11   | 030    | 23917        | 0    | -55.6                | 29.0         |            | 7         | 65    | 264 | 6  |
| 050   | 20681  | 0            | -61.9 | 29.1                 | 9            | 26         | 101       | 2     | 050  | 20705  | 0            | -61.9 | 25.7                 |              | 2          | 89        | 269   | 8  | 050    | 20709        | 0    | -62.0                | 25.7         |            | 5         | 75    | 266 | 6  |
| 100   | 16540  | 0            | -77.4 | 8.0                  | 9            | 90         | 77        | 13    | 100  | 16556  | 0            | -76.7 | 7.7                  |              | 0          | 76        | 77    | 8  | 100    | 16560        | 0    | -76.4                | 7.9          |            | 0         | 79    | 78  | 10 |
| 150   | 14191  | 0            | -68.2 | 8.9                  | 9            | 94         | 70        | 22    | 150  | 14206  | 0            | -67.9 | 8.7                  |              | 0          | 94        | 71    | 19   | 150    | 14207        | 0    | -68.0                | 8.1          |            | 0         | 93    | 69  | 20 |
| 200   | 12406  | 0            | -53.7 | 8.7                  | 6            | 96         | 73        | 22    | 200  | 12418  | 0            | -53.5 | 8.9                  |              | 0          | 96        | 71    | 22   | 200    | 12420        | 0    | -53.6                | 8.6          |            | 0         | 97    | 73  | 21 |
| 300   | 9668   | 0            | -31.2 | 8.3                  | 5            | 96         | 90        | 14    | 300  | 9679   | 0            | -31.1 | 7.6                  |              | 0          | 97        | 85    | 13   | 300    | 9680         | 0    | -31.0                | 8.1          |            | 0         | 97    | 89  | 14 |
| 500   | 5850   | 0            | -6.0  | 4.8                  | 2            | 59         | 95        | 4     | 500  | 5860   | 0            | -5.9  | 3.3                  |              | 0          | 66        | 94    | 4  | 500    | 5859         | 0    | -5.8                 | 3.6          |            | 0         | 66    | 90  | 5  |
| 700   | 3136   | 0            | 9.1   | 4.9                  | 0            | 32         | 180       | 2     | 700  | 3145   | 0            | 9.4   | 8.9                  |              | 0          | 4         | 283   | 0  | 700    | 3143         | 0    | 9.4                  | 4.3          |            | 0         | 15    | 200 | 1  |
| 850   | 1497   | 0            | 18.3  | 4.2                  | 0            | 29         | 231       | 1     | 850  | 1502   | 0            | 18.7  | 2.9                  |              | 0          | 12        | 194   | 1  | 850    | 1500         | 0    | 18.8                 | 3.3          |            | 0         | 29    | 238 | 1  |
| 1004  | * 22   |              | 26.3  | 2.6                  |              |            |           |       | 1007   | * 27   |              | 25.2  | 2.3                  |              |            |           |       |  | 1006   | * 5          |      | 26.0                 | 2.3          |            |           |       |     |    |
| <b>SW PACIFIC - MALAYSIA (SABAH AND SARAWAK<br/>KOTA KINABALU</b><br>96471 AUG 2008 0556N 11600E OB 3 |        |              |       |                      |              |            |           |       | <b>W PACIFIC - MALAYSIA (SABAH AND SARAWAK<br/>TAWAU</b><br>96481 AUG 2008 0416N 11750E OB 3   |        |              |       |                      |              |            |           |       |  |        |              |      |                      |              |            |           |       |     |    |
| 030   | 23928  | 0            | -55.9 | 28.5                 | 8            | 10         | 64        | 1     | 030  | 23918  | 0            | -55.3 | 27.6                 |              | 1          | 54        | 282   | 5  |        |              |      |                      |              |            |           |       |     |    |
| 050   | 20722  | 0            | -61.7 | 25.9                 | 4            | 42         | 105       | 3     | 050  | 20705  | 0            | -62.1 | 24.6                 |              | 0          | 17        | 256   | 1  |        |              |      |                      |              |            |           |       |     |    |
| 100   | 16576  | 0            | -77.6 | 7.5                  | 1            | 86         | 80        | 11    | 100  | 16562  | 0            | -77.9 | 8.3                  |              | 0          | 78        | 80    | 9  |        |              |      |                      |              |            |           |       |     |    |
| 150   | 14226  | 0            | -68.2 | 7.6                  | 1            | 94         | 69        | 23    | 150  | 14210  | 0            | -67.9 | 9.5                  |              | 0          | 94        | 67    | 21   |        |              |      |                      |              |            |           |       |     |    |
| 200   | 12439  | 0            | -53.4 | 8.1                  | 1            | 95         | 72        | 21    | 200  | 12423  | 0            | -53.6 | 9.6                  |              | 0          | 95        | 72    | 21   |        |              |      |                      |              |            |           |       |     |    |
| 300   | 9697   | 0            | -30.8 | 8.8                  | 1            | 96         | 92        | 13    | 300  | 9683   | 0            | -30.9 | 9.8                  |              | 0          | 96        | 88    | 13   |        |              |      |                      |              |            |           |       |     |    |
| 500   | 5872   | 0            | -5.5  | 4.4                  | 0            | 67         | 109       | 4     | 500  | 5860   | 0            | -5.5  | 5.3                  |              | 0          | 67        | 98    | 5  |        |              |      |                      |              |            |           |       |     |    |
| 700   | 3153   | 0            | 9.8   | 4.5                  | 0            | 36         | 195       | 3     | 700  | 3142   | 0            | 9.6   | 4.5                  |              | 0          | 33        | 132   | 2  |        |              |      |                      |              |            |           |       |     |    |
| 850   | 1509   | 0            | 19.0  | 3.8                  | 0            | 45         | 209       | 2     | 850  | 1498   | 0            | 18.8  | 4.3                  |              | 0          | 50        | 158   | 3  |        |              |      |                      |              |            |           |       |     |    |
| 1009  | * 3    |              | 26.6  | 3.8                  |              |            |           |       | 1007   | * 20   |              | 26.2  | 2.7                  |              |            |           |       |  |        |              |      |                      |              |            |           |       |     |    |

# 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>CAPE TOWN INTNL. AIRPORT</b><br>68816 JUN 2008 3358S 01836E OB 3 |        |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br><b>PORT ELIZABETH</b><br>68842 JUN 2008 3359S 02537E OB 3 |        |              |       |                      |              |            |           |       | <b>AFRICA - SOUTH AFRICA</b><br><b>GOUGH ISLAND</b><br>68906 JUN 2008 4021S 00953W OB 3 |        |              |       |                      |              |            |           |       |  |
| 030   | 23823  | 14           | -57.3 |                      | 9            | 99         | 277       | 9     | 030   | 23820  | 17           | -58.5 |                      | 9            | 99         | 262       | 11    | 030   | 23590  | 5            | -59.3 |                      | 5            | 99         | 279       | 28    |  |
| 050   | 20631  | 3            | -61.9 |                      | 3            | 99         | 274       | 11    | 050   | 20644  | 6            | -62.2 |                      | 6            | 99         | 281       | 11    | 050   | 20402  | 3            | -60.3 |                      | 3            | 98         | 285       | 27    |  |
| 100   | 16367  | 1            | -62.5 |                      | 1            | 99         | 282       | 27    | 100   | 16386  | 4            | -62.7 |                      | 4            | 99         | 275       | 24    | 100   | 16060  | 2            | -58.2 |                      | 2            | 97         | 283       | 29    |  |
| 150   | 13833  | 1            | -56.2 |                      | 1            | 99         | 275       | 36    | 150   | 13857  | 4            | -56.7 |                      | 4            | 99         | 275       | 37    | 150   | 13490  | 2            | -55.3 |                      | 2            | 94         | 280       | 29    |  |
| 200   | 11997  | 1            | -54.4 | 17.9                 | 1            | 99         | 274       | 40    | 200   | 12021  | 4            | -54.6 | 14.7                 | 4            | 99         | 271       | 39    | 200   | 11661  | 2            | -57.0 | 18.6                 | 2            | 89         | 277       | 32    |  |
| 300   | 9353   | 1            | -43.1 | 15.2                 | 1            | 99         | 280       | 29    | 300   | 9380   | 3            | -42.8 | 13.0                 | 3            | 99         | 276       | 30    | 300   | 9063   | 1            | -48.9 | 11.1                 | 1            | 86         | 284       | 30    |  |
| 500   | 5716   | 1            | -16.3 | 19.8                 | 1            | 99         | 279       | 17    | 500   | 5737   | 3            | -15.9 | 20.8                 | 3            | 99         | 279       | 17    | 500   | 5521   | 1            | -23.5 | 12.1                 | 1            | 83         | 289       | 18    |  |
| 700   | 3101   | 0            | -4    | 17.8                 | 0            | 99         | 291       | 9     | 700   | 3123   | 2            | -2    | 15.4                 | 2            | 99         | 286       | 10    | 700   | 2979   | 1            | -7.4  | 11.8                 | 1            | 76         | 290       | 11    |  |
| 850   | 1524   | 0            | 8.0   | 11.9                 | 0            | 99         | 309       | 7     | 850   | 1544   | 1            | 9.2   | 10.3                 | 1            | 99         | 297       | 6     | 850   | 1444   | 1            | .2    | 3.6                  | 1            | 54         | 295       | 6     |  |
| 1015  | * 46   |              | 15.3  | 3.8                  |              |            |           |       | 1014  | * 69   |              | 12.1  | 3.3                  |              |            |           |       |   | 1008   | * 54         |       | 8.6                  | 3.3          |            |           |       |  |
| <b>AFRICA - SOUTH AFRICA</b><br><b>MARION ISLAND</b><br>68994 JUN 2008 4653S 03752E OB 3            |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 030   | 23344  | 27           | -63.8 |                      | 9            | 99         | 259       | 36    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 050   | 20289  | 2            | -62.9 |                      | 2            | 99         | 271       | 31    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 100   | 15997  | 0            | -59.5 |                      | 0            | 99         | 271       | 27    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 150   | 13452  | 0            | -57.9 |                      | 0            | 99         | 273       | 26    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 200   | 11655  | 0            | -61.2 | 13.7                 | 0            | 99         | 270       | 25    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 300   | 9084   | 0            | -48.7 | 11.1                 | 0            | 99         | 273       | 23    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 500   | 5538   | 0            | -22.9 | 9.4                  | 0            | 99         | 267       | 16    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 700   | 2987   | 0            | -6.1  | 16.6                 | 0            | 99         | 269       | 14    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 850   | 1444   | 0            | 1.6   | 12.2                 | 0            | 99         | 268       | 10    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 1012  | * 22   |              | 4.4   | 1.8                  |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| <b>ASIA - INDIA</b><br><b>THIRUVANANTHAPURAM</b><br>43371 JUL 2008 0829N 07657E OB 3                |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 030   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 050   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 100   | 16449  | 9            | -70.1 |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 150   | 14098  | 5            | -70.2 |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 200   | 12331  | 4            | -56.3 |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 300   | 9623   | 3            | -32.5 | 11.3                 |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 500   | 5809   | 1            | -6.0  | 8.1                  |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 700   | 3099   |              | 9.7   | 3.7                  |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 850   | 1467   |              | 17.6  | 1.7                  | 9            | 98         | 307       | 12    |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |
| 1000  | * 64   |              | 25.8  | 2.5                  |              |            |           |       |   |        |              |       |                      |              |            |           |       |   |        |              |       |                      |              |            |           |       |  |

# 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   |
|          |        |              |      |                      |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |
|          |        |              |      |                      |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |
|          |        |              |      |                      |              |            |           |       |          |             |              |      |                      |              |            |           |       |             |        |              |             |                      |              |            |           |       |

# STATION LIST RECENT DATA

|       |    |                              |                     |       |    |                       |                    |
|-------|----|------------------------------|---------------------|-------|----|-----------------------|--------------------|
| 10501 | C  | AACHEN                       | GERMANY             | 70273 | CT | ANCHORAGE/INT., AK    | USA                |
| 06030 | C  | AALBORG                      | DENMARK AND FAROE I | 10291 | C  | ANGERMUENDE           | GERMANY            |
| 04220 | C  | AASIAAT (EGEDESMINDE)        | GREENLAND           | 17130 | CT | ANKARA/CENTRAL        | TURKEY             |
| 40831 | C  | ABADAN                       | IRAN, ISLAMIC REP   | 60360 | C  | ANNABA                | ALGERIA            |
| 07005 | C  | ABBEVILLE                    | FRANCE              | 17300 | C  | ANTALYA               | TURKEY             |
| 03502 | C  | ABERPORTH                    | U KINGDOM           | 47575 | C  | AOMORI                | JAPAN              |
| 41112 | C  | ABHA                         | SAUDI ARABIA        | 80084 | C  | APARTADO/LOS CEDROS   | COLOMBIA           |
| 72266 | C  | ABILENE/MUN., TX.            | USA                 | 83096 | C  | ARACAJU               | BRAZIL             |
| 41217 | C  | ABU DHABI INTER. AIRPORT     | U ARAB EMIRATES     | 71592 | C  | ARCTIC BAY CS, NU     | CANADA             |
| 76805 | C  | ACAPULCO, GRO.               | MEXICO              | 84752 | C  | AREQUIPA              | PERU               |
| 17351 | C  | ADANA/BOLGE                  | TURKEY              | 22550 | CT | ARHANGEL'SK           | RUSSIAN FEDERATION |
| 63450 | CT | ADDIS ABABA-BOLE             | ETHIOPIA            | 85406 | C  | ARICA                 | CHILE              |
| 94672 | C  | ADELAIDE AIRPORT             | AUSTRALIA           | 10091 | C  | ARKONA                | GERMANY            |
| 60620 | C  | ADRAR                        | ALGERIA             | 62772 | C  | AROMA                 | SUDAN              |
| 76394 | T  | AEROP.INTERNACIONAL MONTERRE | MEXICO              | 10460 | C  | ARTERN                | GERMANY            |
| 17190 | C  | AFYON                        | TURKEY              | 44288 | C  | ARVAIHEER             | MONGOLIA           |
| 23383 | C  | AGATA                        | RUSSIAN FEDERATION  | 60452 | C  | ARZEW                 | ALGERIA            |
| 62055 | C  | AGEDABIA                     | LIBYAN ARAB JAMAHIR | 47407 | C  | ASAHIKAWA             | JAPAN              |
| 42647 | CT | AHMADABAD                    | INDIA               | 85175 | C  | ASCENCION DE GUARAYOS | BOLIVIA            |
| 37663 | C  | AHTY                         | RUSSIAN FEDERATION  | 72315 | C  | ASHEVILLE/MUN., NC.   | USA                |
| 33998 | C  | AI-PETRI                     | UKRAINE             | 33915 | C  | ASKANIYA-NOVA         | UKRAINE            |
| 60415 | C  | AIN-BESSAM                   | ALGERIA             | 62414 | CT | ASSWAN                | EGYPT              |
| 61499 | C  | AIOUN EL ATROUSS             | MAURITANIA          | 35188 | C  | ASTANA                | KAZAKHSTAN         |
| 07761 | CT | AJACCIO                      | FRANCE              | 86218 | C  | ASUNCION/AEROPUERTO   | PARAGUAY           |
| 38178 | C  | AK-BAJTAL                    | UZBEKISTAN          | 35078 | C  | ATBASAR               | KAZAKHSTAN         |
| 47582 | CT | AKITA                        | JAPAN               | 17607 | T  | ATHALASSA             | CYPRUS             |
| 42933 | C  | AKOLA                        | INDIA               | 72219 | C  | ATLANTA/MUN., GA.     | USA                |
| 72521 | C  | AKRON/AKRON-CANTON REG. OH.  | USA                 | 91925 | CT | ATUONA                | FRENCH POLY.       |
| 35229 | C  | AKTOBE                       | KAZAKHSTAN          | 35700 | C  | ATYRAU                | KAZAKHSTAN         |
| 04063 | C  | AKUREYRI                     | ICELAND             | 10852 | C  | AUGSBURG              | GERMANY            |
| 40420 | C  | AL-AHSA                      | SAUDI ARABIA        | 38334 | C  | AUL TURARA RYSKULOVA  | KAZAKHSTAN         |
| 08280 | C  | ALBACETE/LOS LLANOS          | SPAIN               | 72254 | C  | AUSTIN/CTY, TX.       | USA                |
| 03917 | C  | ALDERGROVE                   | U KINGDOM           | 31168 | CT | AYAN                  | RUSSIAN FEDERATION |
| 23955 | C  | ALEKSANDROVSKOE              | RUSSIAN FEDERATION  | 87641 | C  | AZUL AERO             | ARGENTINA          |
| 60369 | C  | ALGER-PORT                   | ALGERIA             | 82460 | C  | BACABAL               | BRAZIL             |
| 08359 | C  | ALICANTE                     | SPAIN               | 10542 | C  | BAD HERSFELD          | GERMANY            |
| 42475 | C  | ALLAHABAD/BAMHRAULI          | INDIA               | 30554 | CT | BAGDARIN              | RUSSIAN FEDERATION |
| 08487 | C  | ALMERIA/AEROPUERTO           | SPAIN               | 87750 | C  | BAHIA BLANCA AERO     | ARGENTINA          |
| 44277 | C  | ALTAI                        | MONGOLIA            | 44265 | C  | BAITAG                | MONGOLIA           |
| 26346 | C  | ALUKSNE                      | LATVIA              | 23891 | C  | BAJKIT                | RUSSIAN FEDERATION |
| 94568 | C  | AMBERLEY AMO                 | AUSTRALIA           | 29328 | C  | BAKCHAR               | RUSSIAN FEDERATION |
| 23022 | CT | AMDERMA                      | RUSSIAN FEDERATION  | 30612 | C  | BALAGANSK             | RUSSIAN FEDERATION |
| 42071 | C  | AMRITSAR                     | INDIA               | 10675 | C  | BAMBERG               | GERMANY            |
| 25563 | C  | ANADYR'                      | RUSSIAN FEDERATION  | 43295 | C  | BANGALORE             | INDIA              |

# STATION LIST RECENT DATA

|       |    |                            |                     |       |    |                              |                    |
|-------|----|----------------------------|---------------------|-------|----|------------------------------|--------------------|
| 29612 | C  | BARABINSK                  | RUSSIAN FEDERATION  | 12843 | CT | BUDAPEST/PESTSZENTLORINC     | HUNGARY            |
| 07790 | C  | BASTIA                     | FRANCE              | 72528 | CT | BUFFALO/GREATER BUF. INT.,NY | USA                |
| 37484 | C  | BATUMI                     | GEORGIA             | 25594 | C  | BUHTA PROVIDENJA             | RUSSIAN FEDERATION |
| 44275 | C  | BAYANBULAG                 | MONGOLIA            | 44239 | C  | BULGAN                       | MONGOLIA           |
| 60571 | C  | BECHAR                     | ALGERIA             | 08075 | C  | BURGOS/VILLAFRIA             | SPAIN              |
| 54511 | CT | BEIJING                    | CHINA               | 47159 | C  | BUSAN                        | REP KOREA          |
| 60402 | C  | BEJAIA-AEROPORT            | ALGERIA             | 15350 | C  | BUZAU                        | ROMANIA            |
| 43198 | C  | BELGAUM/SAMBRE             | INDIA               | 48914 | C  | CA MAU                       | VIET NAM           |
| 40180 | C  | BEN-GURION INT. AIRPORT    | ISRAEL              | 95916 | C  | CABRAMURRA SMHEA             | AUSTRALIA          |
| 13274 | C  | BEOGRAD                    | SERBIA AND MONTENEG | 08261 | C  | CACERES                      | SPAIN              |
| 01317 | C  | BERGEN/FLORIDA             | NORWAY              | 07027 | C  | CAEN                         | FRANCE             |
| 40179 | CT | BET DAGAN                  | ISRAEL              | 94287 | C  | CAIRNS AERO                  | AUSTRALIA          |
| 42971 | CT | BHUBANESHWAR               | INDIA               | 42807 | C  | CALCUTTA/ALIPORE             | INDIA              |
| 12295 | C  | BIALYSTOK                  | POLAND              | 71288 | C  | CAMBRIDGE BAY GSN, NU        | CANADA             |
| 71844 | C  | BIG TROUT LAKE READAC, ONT | CANADA              | 17112 | C  | CANAKKALE                    | TURKEY             |
| 29939 | C  | BIJSK ZONAL'NAYA           | RUSSIAN FEDERATION  | 48808 | C  | CAO BANG                     | VIET NAM           |
| 42165 | C  | BIKANER                    | INDIA               | 07661 | C  | CAP CEPET                    | FRANCE             |
| 08025 | C  | BILBAO/SONDICA             | SPAIN               | 71818 | C  | CARTWRIGHT, NFLD             | CANADA             |
| 72515 | C  | BINGHAMTON/BROOME CO., NY. | USA                 | 03967 | C  | CASEMENT AERODROME           | IRELAND            |
| 61075 | C  | BIRNI-N'KONNI              | NIGER               | 16459 | C  | CATANIA SIGONELLA            | ITALY              |
| 15085 | C  | BISTRITA                   | ROMANIA             | 94653 | C  | CEDUNA AMO                   | AUSTRALIA          |
| 14652 | C  | BJELASNICA                 | BOSNIA AND HERZEGOV | 89056 | C  | CENTRO MET. ANTARTICO PDTE.  | CHILE              |
| 01028 | CT | BJORNOYA                   | NORWAY              | 16148 | C  | CERVIA                       | ITALY              |
| 28766 | C  | BLAGOVESHCHENKA            | KAZAKHSTAN          | 38511 | C  | CHAGYL                       | TURKMENISTAN       |
| 68442 | C  | BLOEMFONTEIN AIRPORT       | SOUTH AFRICA        | 10577 | C  | CHEMNITZ                     | GERMANY            |
| 74492 | C  | BLUE HILL OBS. MA.         | USA                 | 41768 | C  | CHHOR                        | PAKISTAN           |
| 82024 | C  | BOA VISTA                  | BRAZIL              | 48327 | CT | CHIANG MAI                   | THAILAND           |
| 65510 | C  | BOBO-DIOULASSO             | BURKINA FASO        | 60425 | C  | CHLEF                        | ALGERIA            |
| 01152 | CT | BODO                       | NORWAY              | 44259 | C  | CHOIBALSAN                   | MONGOLIA           |
| 29282 | C  | BOGUCANY                   | RUSSIAN FEDERATION  | 93780 | C  | CHRISTCHURCH                 | N ZEALAND          |
| 65338 | C  | BOHICON                    | BENIN               | 47014 | C  | CHUNGGANG                    | DPR KOREA          |
| 10249 | C  | BOIZENBURG                 | GERMANY             | 96805 | C  | CILACAP                      | INDONESIA          |
| 31174 | C  | BOL'SHOJ SHANTAR           | RUSSIAN FEDERATION  | 72421 | C  | CINCINNATI/GREATER CINCINNAT | USA                |
| 83288 | CT | BOM JESUS DA LAPA          | BRAZIL              | 80444 | C  | CIUDAD BOLIVAR               | VENEZUELA          |
| 23884 | C  | BOR                        | RUSSIAN FEDERATION  | 72360 | C  | CLAYTON/MUN., NM.            | USA                |
| 64610 | C  | BOSSANGO                   | CENTRAL AFRICAN REP | 07460 | C  | CLERMONT-FERRAND             | FRANCE             |
| 60515 | C  | BOU-SAADA                  | ALGERIA             | 15120 | CT | CLUJ-NAPOCA                  | ROMANIA            |
| 08575 | C  | BRAGANCA                   | PORTUGAL            | 76741 | C  | COATZACOALCOS, VER.          | MEXICO             |
| 10224 | C  | BREMEN                     | GERMANY             | 94711 | C  | COBAR MO                     | AUSTRALIA          |
| 16061 | C  | BRIC DELLA CROCE           | ITALY               | 85223 | C  | COCHABAMBA                   | BOLIVIA            |
| 11723 | C  | BRNO/TURANY                | CZECH REP           | 94791 | C  | COFFS HARBOUR MO             | AUSTRALIA          |
| 10453 | C  | BROCKEN                    | GERMANY             | 08548 | C  | COIMBRA/CERNACHE             | PORTUGAL           |
| 96315 | CT | BRUNEI AIRPORT             | BRUNEI DARUSSALAM   | 43466 | C  | COLOMBO                      | SRI LANKA          |
| 15420 | C  | BUCURESTI BANEASA          | ROMANIA             | 76848 | C  | COMITAN, CHIS.               | MEXICO             |

# STATION LIST RECENT DATA

|       |    |                            |                    |       |    |                            |                    |
|-------|----|----------------------------|--------------------|-------|----|----------------------------|--------------------|
| 82861 | C  | CONCEICAO DO ARAGUAIA      | BRAZIL             | 89054 | C  | DINAMET-URUGUAY            | URUGUAY            |
| 71915 | CT | CORAL HARBOUR A UA, NU     | CANADA             | 61666 | C  | DIORBEL                    | SENEGAL            |
| 10496 | C  | COTTBUS                    | GERMANY            | 63471 | C  | DIREDAWA                   | ETHIOPIA           |
| 85864 | C  | COYHAIQUE                  | CHILE              | 17280 | CT | DIYARBAKIR                 | TURKEY             |
| 16480 | C  | COZZO SPADARO              | ITALY              | 60670 | C  | DJANET                     | ALGERIA            |
| 15450 | C  | CRAIOVA                    | ROMANIA            | 60535 | C  | DJELFA                     | ALGERIA            |
| 82704 | C  | CRUZEIRO DO SUL            | BRAZIL             | 34504 | C  | DNIPROPETROVS'K            | UKRAINE            |
| 80097 | C  | CUCUTA/CAMILO DAZA         | COLOMBIA           | 16033 | C  | DOBBIACO                   | ITALY              |
| 08231 | C  | CUENCA                     | SPAIN              | 63862 | C  | DODOMA                     | U REP TANZANIA     |
| 83362 | T  | CUIABA (AEROPORTO)         | BRAZIL             | 41170 | C  | DOHA INTERNATIONAL AIRPORT | QATAR              |
| 28704 | C  | CULPANOVO                  | RUSSIAN FEDERATION | 87648 | C  | DOLORES AERO               | ARGENTINA          |
| 80420 | C  | CUMANA                     | VENEZUELA          | 34519 | C  | DONETS'K                   | UKRAINE            |
| 83840 | T  | CURITIBA (AEROPORTO)       | BRAZIL             | 65501 | C  | DORI                       | BURKINA FASO       |
| 10131 | C  | CUXHAVEN                   | GERMANY            | 52836 | C  | DOULAN                     | CHINA              |
| 84686 | C  | CUZCO                      | PERU               | 10488 | C  | DRESDEN-KLOTZSCHE          | GERMANY            |
| 43150 | T  | CWC VISHAKHAPATNAM/WALTAIR | INDIA              | 41515 | C  | DROSH                      | PAKISTAN           |
| 48855 | C  | DA NANG                    | VIET NAM           | 95719 | C  | DUBBO AIRPORT AWS          | AUSTRALIA          |
| 47133 | C  | DAEJEON                    | REP KOREA          | 23074 | C  | DUDINKA                    | RUSSIAN FEDERATION |
| 98325 | C  | DAGUPAN                    | PHILIPPINES        | 10400 | C  | DUESSELDORF                | GERMANY            |
| 60096 | C  | DAKHLA                     | WESTERN SAHARA     | 72745 | C  | DULUTH/INT., MN.           | USA                |
| 31873 | C  | DAL'NERECHENSK             | RUSSIAN FEDERATION | 89642 | CT | DUMONT D'URVILLE           | FRANCE             |
| 40080 | C  | DAMASCUS INT. AIRPORT      | SYRIAN ARAB REP    | 68588 | CT | DURBAN INTNL. AIRPORT      | SOUTH AFRICA       |
| 04320 | C  | DANMARKSHAVN               | GREENLAND          | 38836 | C  | DUSHANBE                   | TAJKISTAN          |
| 38545 | C  | DARGANATA                  | TURKMENISTAN       | 42731 | C  | DWARKA                     | INDIA              |
| 44256 | C  | DASHBALBAR                 | MONGOLIA           | 03091 | C  | DYCE                       | U KINGDOM          |
| 26544 | C  | DAUGAVPILS                 | LATVIA             | 21908 | C  | DZALINDA                   | RUSSIAN FEDERATION |
| 89571 | C  | DAVIS                      | AUSTRALIA          | 35217 | C  | DZHAMBEJTY                 | KAZAKHSTAN         |
| 71966 | C  | DAWSON, YT                 | CANADA             | 68858 | C  | EAST LONDON                | SOUTH AFRICA       |
| 72429 | C  | DAYTON/. COX, OH.          | USA                | 94983 | C  | EDDYSTONE POINT            | AUSTRALIA          |
| 06260 | CT | DE BILT                    | NETHERLANDS        | 17050 | C  | EDIRNE                     | TURKEY             |
| 12882 | C  | DEBRECEN                   | HUNGARY            | 71590 | C  | EDMUNDSTON, NB             | CANADA             |
| 16546 | C  | DECIMOMANNU                | ITALY              | 06280 | C  | EELDE/GRONINGEN AP EELDE   | NETHERLANDS        |
| 65505 | C  | DEDOUGOU                   | BURKINA FASO       | 25378 | C  | EGVEKINOT                  | RUSSIAN FEDERATION |
| 40045 | C  | DEIR EZZOR                 | SYRIAN ARAB REP    | 40199 | C  | EILAT                      | ISRAEL             |
| 60387 | C  | DELLYS                     | ALGERIA            | 31707 | C  | EKATERINO-NIKOL'SKOE       | RUSSIAN FEDERATION |
| 95869 | C  | DENILIKUIN AIRPORT AWS     | AUSTRALIA          | 38388 | C  | EKEZHE                     | TURKMENISTAN       |
| 37470 | C  | DERBENT                    | RUSSIAN FEDERATION | 31329 | C  | EKIMCHAN                   | RUSSIAN FEDERATION |
| 72546 | C  | DES MOINES/MUN., IA.       | USA                | 62337 | C  | EL ARISH                   | EGYPT              |
| 72537 | C  | DETROIT/METROPOLITAN, MI.  | USA                | 60550 | C  | EL-BAYADH                  | ALGERIA            |
| 40416 | C  | DHAHRAN                    | SAUDI ARABIA       | 27648 | C  | ELAT'MA                    | RUSSIAN FEDERATION |
| 42404 | C  | DHUBRI                     | INDIA              | 12160 | C  | ELBLAG                     | POLAND             |
| 42314 | C  | DIBRUGARH /MOHANBARI       | INDIA              | 72486 | C  | ELY/YELLAND, NV.           | USA                |
| 61085 | C  | DIFFA                      | NIGER              | 07591 | C  | EMBRUN                     | FRANCE             |
| 07280 | C  | DIJON                      | FRANCE             | 10200 | C  | EMDEN-FLUGPLATZ            | GERMANY            |

# STATION LIST RECENT DATA

|       |    |                           |                    |       |    |                             |                     |
|-------|----|---------------------------|--------------------|-------|----|-----------------------------|---------------------|
| 29572 | T  | EMELJANOVO                | RUSSIAN FEDERATION | 08522 | C  | FUNCHAL                     | MADEIRA             |
| 76256 | C  | EMPALME, SON.             | MEXICO             | 60765 | C  | GABES                       | TUNISIA             |
| 62781 | C  | EN NAHUD                  | SUDAN              | 60745 | C  | GAFSA                       | TUNISIA             |
| 25356 | C  | EN' MUVEEM                | RUSSIAN FEDERATION | 15310 | C  | GALATI                      | ROMANIA             |
| 86297 | C  | ENCARNACION               | PARAGUAY           | 37735 | C  | GANDJA                      | AZERBAIJAN          |
| 29263 | C  | ENISEJSK                  | RUSSIAN FEDERATION | 65522 | C  | GAOUA                       | BURKINA FASO        |
| 71923 | C  | ENNADAI LAKE (AUT), NU    | CANADA             | 10359 | C  | GARDELEGEN                  | GERMANY             |
| 24817 | C  | ERBOGACEN                 | RUSSIAN FEDERATION | 40405 | C  | GASSIM                      | SAUDI ARABIA        |
| 44237 | C  | ERDENEMANDAL              | MONGOLIA           | 61099 | C  | GAYA                        | NIGER               |
| 53068 | C  | ERENHOT                   | CHINA              | 26157 | C  | GDOV                        | RUSSIAN FEDERATION  |
| 10554 | C  | ERFURT-BINDERSLEBEN       | GERMANY            | 62752 | C  | GEDAREF                     | SUDAN               |
| 34186 | C  | ERSHOV                    | RUSSIAN FEDERATION | 06700 | C  | GENEVE-COINTRIN             | SWITZERLAND & LIECH |
| 17092 | C  | ERZINCAN                  | TURKEY             | 68828 | C  | GEORGE AIRPORT              | SOUTH AFRICA        |
| 38750 | C  | ESENGYLY                  | TURKMENISTAN       | 08184 | C  | GERONA/COSTA BRAVA          | SPAIN               |
| 40800 | C  | ESFAHAN                   | IRAN, ISLAMIC REP  | 60566 | C  | GHARDAIA                    | ALGERIA             |
| 35067 | C  | ESIL'                     | KAZAKHSTAN         | 40296 | C  | GHOR SAFI                   | JORDAN              |
| 03162 | C  | ESKDALEMUIR               | U KINGDOM          | 08495 | CT | GIBALTAR                    | GIBALTAR            |
| 94638 | C  | ESPERANCE                 | AUSTRALIA          | 10532 | C  | GIESSEN                     | GERMANY             |
| 87803 | C  | ESQUEL AERO               | ARGENTINA          | 34740 | C  | GIGANT                      | RUSSIAN FEDERATION  |
| 10410 | CT | ESSEN-BREDENEY            | GERMANY            | 94461 | C  | GILES METEOROLOGICAL OFFICE | AUSTRALIA           |
| 71862 | C  | ESTEVAN A, SASK           | CANADA             | 17034 | C  | GIRE SUN                    | TURKEY              |
| 94647 | C  | EUCLA                     | AUSTRALIA          | 93292 | C  | GISBORNE AERODROME AWS      | N ZEALAND           |
| 71917 | C  | EUREKA, NU                | CANADA             | 41140 | C  | GIZAN                       | SAUDI ARABIA        |
| 72432 | C  | EVANSVILLE/REG., IN.      | USA                | 71363 | C  | GJOA HAVEN CLIMATE, NU      | CANADA              |
| 08558 | C  | EVORA/C. COORD            | PORTUGAL           | 72768 | C  | GLASGOW/INT., MT.           | USA                 |
| 87576 | CT | EZEIZA AERO               | ARGENTINA          | 83264 | C  | GLEBA CELESTE               | BRAZIL              |
| 65507 | C  | FADA N'GOURMA             | BURKINA FASO       | 20292 | C  | GMO IM.E.K. FEDOROVA        | RUSSIAN FEDERATION  |
| 70261 | C  | FAIRBANKS/INT., AK        | USA                | 43192 | CT | GOA/PANJIM                  | INDIA               |
| 08554 | C  | FARO/AEROPORTO            | PORTUGAL           | 10499 | C  | GOERLITZ                    | GERMANY             |
| 10908 | C  | FELDBERG/SCHWARZWALD      | GERMANY            | 83423 | C  | GOIANIA                     | BRAZIL              |
| 38618 | C  | FERGANA                   | UZBEKISTAN         | 33041 | CT | GOMEL                       | BELARUS             |
| 11155 | C  | FEUERKOGEL                | AUSTRIA            | 63331 | C  | GONDAR                      | ETHIOPIA            |
| 10578 | C  | FICHTELBERG               | GERMANY            | 71816 | CT | GOOSE A, NFLD               | CANADA              |
| 72637 | C  | FLINT/BISHOP, MI.         | USA                | 71733 | CT | GORE BAY A, ONT             | CANADA              |
| 08501 | C  | FLORES (ACORES)           | PORTUGAL           | 07535 | C  | GOURDON                     | FRANCE              |
| 01238 | C  | FOKSTUA II                | NORWAY             | 94150 | C  | GOVE AIRPORT                | AUSTRALIA           |
| 82212 | C  | FONTE BOA                 | BRAZIL             | 06717 | C  | GRAND ST. BERNARD           | SWITZERLAND & LIECH |
| 71585 | C  | FORT MCMURRAY CS, ALTA    | CANADA             | 71570 | C  | GREAT FALLS CLIMATE, MAN    | CANADA              |
| 83827 | T  | FOZ DO IGUACU (AEROPORTO) | BRAZIL             | 10791 | C  | GROSSER ARBER               | GERMANY             |
| 10637 | C  | FRANKFURT/M-FLUGHAFEN     | GERMANY            | 88903 | C  | GRYTVIKEN,                  | ISLANDS             |
| 10815 | C  | FREUDENSTADT              | GERMANY            | 59287 | C  | GUANGZHOU                   | CHINA               |
| 16179 | C  | FRONTONE                  | ITALY              | 60403 | C  | GUELMA                      | ALGERIA             |
| 10895 | C  | FUERSTENZELL              | GERMANY            | 80423 | C  | GUIRIA                      | VENEZUELA           |
| 47807 | CT | FUKUOKA                   | JAPAN              | 02128 | C  | GUNNARN                     | SWEDEN              |

# STATION LIST RECENT DATA

|       |    |                              |                     |       |    |                               |                    |
|-------|----|------------------------------|---------------------|-------|----|-------------------------------|--------------------|
| 40360 | C  | GURIAT                       | SAUDI ARABIA        | 15090 | C  | IASI                          | ROMANIA            |
| 78894 | C  | GUSTAVIA,                    | GUADELOUPE          | 80214 | C  | IBAGUE/PERALES                | COLOMBIA           |
| 42410 | C  | GUWAHATI                     | INDIA               | 08373 | C  | IBIZA/ES CODOLA               | SPAIN              |
| 38763 | C  | GYZYLARBAT                   | TURKMENISTAN        | 23274 | C  | IGARKA                        | RUSSIAN FEDERATION |
| 40250 | C  | H-4 'IRWAISHED'              | JORDAN              | 87097 | C  | IGUAZU AERO                   | ARGENTINA          |
| 48820 | C  | HA NOI                       | VIET NAM            | 25248 | C  | ILIRNEJ                       | RUSSIAN FEDERATION |
| 31736 | T  | HABAROVSK                    | RUSSIAN FEDERATION  | 60640 | C  | ILLIZI                        | ALGERIA            |
| 47678 | CT | HACHIJOJIMA                  | JAPAN               | 98637 | C  | ILOILO                        | PHILIPPINES        |
| 47069 | C  | HAEJU                        | DPR KOREA           | 31416 | C  | IM POLINY OSIPENKO            | RUSSIAN FEDERATION |
| 40377 | C  | HAFR AL-BATIN                | SAUDI ARABIA        | 20667 | C  | IM. M.V. POPOVA               | RUSSIAN FEDERATION |
| 40394 | CT | HAIL                         | SAUDI ARABIA        | 60630 | CT | IN-SALAH                      | ALGERIA            |
| 17285 | C  | HAKKARI                      | TURKEY              | 42754 | C  | INDORE                        | INDIA              |
| 71320 | C  | HALL BEACH CLIMATE, NU       | CANADA              | 11120 | C  | INNSBRUCK-FLUGHAFEN           | AUSTRIA            |
| 40030 | C  | HAMA                         | SYRIAN ARAB REP     | 72747 | CT | INT.FALLS/FALLS INT. MN.      | USA                |
| 10338 | C  | HANNOVER                     | GERMANY             | 71364 | C  | INUVIK CLIMATE, NWT           | CANADA             |
| 02196 | C  | HAPARANDA                    | SWEDEN              | 93844 | CT | INVERCARGILL AERODROME        | N ZEALAND          |
| 71350 | C  | HARRINGTON CDA CS, PEI       | CANADA              | 80370 | C  | IPIALES/SAN LUIS              | COLOMBIA           |
| 60581 | C  | HASSI-MESSAOUD               | ALGERIA             | 71321 | C  | IQUALUIT CLIMATE, NU          | CANADA             |
| 20891 | CT | HATANGA                      | RUSSIAN FEDERATION  | 84377 | C  | IQUITOS                       | PERU               |
| 71361 | C  | HAY RIVER CLIMATE, NWT       | CANADA              | 83836 | C  | IRATI                         | BRAZIL             |
| 02974 | C  | HELSINKI-VANTAA              | FINLAND             | 30710 | C  | IRKUTSK                       | RUSSIAN FEDERATION |
| 16754 | CT | HERAKLION (AIRPORT)          | GREECE              | 29807 | C  | IRTYSHSK                      | KAZAKHSTAN         |
| 60001 | C  | HIERRO/AEROPUERTO            | SPAIN               | 71074 | C  | ISACHSEN (AUT), NU            | CANADA             |
| 71066 | C  | HIGH LEVEL A, ALTA           | CANADA              | 28573 | C  | ISHIM                         | RUSSIAN FEDERATION |
| 91753 | C  | HIHIFO (ILE WALLIS)          | DETACHED ISLANDS    | 41571 | C  | ISLAMABAD AIRPORT             | PAKISTAN           |
| 30844 | C  | HILOK                        | RUSSIAN FEDERATION  | 17240 | CT | ISPARTA                       | TURKEY             |
| 98755 | C  | HINATUAN                     | PHILIPPINES         | 17062 | CT | ISTANBUL/GOZTEPE              | TURKEY             |
| 94975 | C  | HOBART AIRPORT               | AUSTRALIA           | 82336 | C  | ITACOATIARA                   | BRAZIL             |
| 10685 | C  | HOF                          | GERMANY             | 04339 | C  | ITTOQQORTOORMIIT (SCORESBYSU) | GREENLAND          |
| 10962 | C  | HOHENPEISSENBERG             | GERMANY             | 10142 | C  | ITZEHOE                       | GERMANY            |
| 93615 | C  | HOKITIKA AERODROME AWS       | N ZEALAND           | 33526 | C  | IVANO-FRANKIVS'K              | UKRAINE            |
| 71029 | C  | HOLMAN CS, NWT               | CANADA              | 23921 | CT | IVDEL'                        | RUSSIAN FEDERATION |
| 61240 | C  | HOMBORI                      | MALI                | 83704 | C  | IVINHEMA                      | BRAZIL             |
| 62131 | C  | HON                          | LIBYAN ARAB JAMAHIR | 60010 | C  | IZANA                         | SPAIN              |
| 51828 | C  | HOTAN                        | CHINA               | 34415 | C  | IZIUM                         | UKRAINE            |
| 72243 | C  | HOUSTON/INTERCONTINENTAL, TX | USA                 | 17220 | CT | IZMIR/GUZELYALI               | TURKEY             |
| 44218 | C  | HOVD                         | MONGOLIA            | 47800 | CT | IZUHARA                       | JAPAN              |
| 08383 | C  | HUELVA                       | SPAIN               | 72206 | C  | JACKSONVILLE/INTNL.,          | USA                |
| 44285 | C  | HUJIRT                       | MONGOLIA            | 08417 | C  | JAEN                          | SPAIN              |
| 72425 | C  | HUNTINGTON, WV.              | USA                 | 43041 | C  | JAGDALPUR                     | INDIA              |
| 03862 | C  | HURN                         | U KINGDOM           | 96745 | C  | JAKARTA/OBSERVATORY           | INDONESIA          |
| 44232 | C  | HUTAG                        | MONGOLIA            | 76687 | C  | JALAPA, VER.                  | MEXICO             |
| 43128 | CT | HYDERABAD AIRPORT            | INDIA               | 01001 | CT | JAN MAYEN                     | NORWAY             |
| 47016 | C  | HYESAN                       | DPR KOREA           | 97690 | C  | JAYAPURA/SENTANI              | INDONESIA          |



# STATION LIST RECENT DATA

|       |    |                              |                     |       |    |                             |                     |
|-------|----|------------------------------|---------------------|-------|----|-----------------------------|---------------------|
| 41024 | CT | JEDDAH (KING ABDUL AZIZ INT. | SAUDI ARABIA        | 02805 | C  | KEVO                        | FINLAND             |
| 47184 | C  | JEJU                         | REP KOREA           | 72201 | C  | KEY WEST/INT., FL           | USA                 |
| 60725 | C  | JENDOUBA                     | TUNISIA             | 41114 | C  | KHAMIS MUSHAIT              | SAUDI ARABIA        |
| 08451 | C  | JEREZ DE LA FRONTERA AEROPUE | SPAIN               | 60476 | C  | KHENCHELLA                  | ALGERIA             |
| 41598 | C  | JHELMUM                      | PAKISTAN            | 33429 | C  | KHMEL'NYTS'KYI              | UKRAINE             |
| 60351 | C  | JIJEL-ACHOUAT                | ALGERIA             | 41744 | C  | KHUZDAR                     | PAKISTAN            |
| 63402 | C  | JIMMA                        | ETHIOPIA            | 33345 | CT | KIEV                        | UKRAINE             |
| 52533 | C  | JIUQUAN                      | CHINA               | 61498 | C  | KIFFA                       | MAURITANIA          |
| 41756 | C  | JIWANI                       | PAKISTAN            | 64387 | C  | KIGALI                      | RWANDA              |
| 42339 | CT | JODHPUR                      | INDIA               | 02801 | C  | KILPISJARVI                 | FINLAND             |
| 02929 | C  | JOENSUU                      | FINLAND             | 47025 | C  | KIMCHAEK                    | DPR KOREA           |
| 02963 | CT | JOKIOINEN                    | FINLAND             | 03066 | C  | KINLOSS                     | U KINGDOM           |
| 02550 | C  | JONKOPING/AXAMO              | SWEDEN              | 28009 | C  | KIRS                        | RUSSIAN FEDERATION  |
| 78762 | C  | JUAN SANTAMARIA INT. AIRPORT | COSTA RICA          | 24606 | C  | KISLOKAN                    | RUSSIAN FEDERATION  |
| 21931 | C  | JUBILEINAJA                  | RUSSIAN FEDERATION  | 30925 | C  | KJAHTA                      | RUSSIAN FEDERATION  |
| 87046 | C  | JUJUY AERO                   | ARGENTINA           | 21921 | C  | KJUSJUR                     | RUSSIAN FEDERATION  |
| 78866 | CT | JULIANA AIRPORT,             | NETHERLANDS ANTILLE | 11231 | C  | KLAGENFURT-FLUGHAFEN        | AUSTRIA             |
| 87548 | C  | JUNIN AERO                   | ARGENTINA           | 32389 | C  | KLJUCHI                     | RUSSIAN FEDERATION  |
| 32165 | C  | JUZHNO-KURIL'SK              | RUSSIAN FEDERATION  | 72326 | C  | KNOXVILLE/MUN., TN.         | USA                 |
| 02935 | CT | JYVASKYLA                    | FINLAND             | 11487 | C  | KOCELOVICE                  | CZECH REP           |
| 40417 | C  | K.F.I.A. (KING FAHAD INT. AI | SAUDI ARABIA        | 06186 | C  | KOEBENHAVN/LANDBOHOEJSKOLEN | DENMARK AND FAROE I |
| 40948 | C  | KABUL AIRPORT                | AFGHANISTAN,ISLAMIC | 28879 | C  | KOKSHETAY                   | KAZAKHSTAN          |
| 62810 | C  | KADOGLLI                     | SUDAN               | 29231 | CT | KOLPASEVO                   | RUSSIAN FEDERATION  |
| 61492 | C  | KAEDI                        | MAURITANIA          | 33883 | C  | KOMRAT                      | REP MOLDOVA         |
| 47827 | CT | KAGOSHIMA                    | JAPAN               | 10929 | C  | KONSTANZ                    | GERMANY             |
| 10427 | C  | KAHLER ASTEN                 | GERMANY             | 25954 | C  | KORF                        | RUSSIAN FEDERATION  |
| 60735 | C  | KAIROUAN                     | TUNISIA             | 27333 | C  | KOSTROMA                    | RUSSIAN FEDERATION  |
| 02897 | C  | KAJAANI                      | FINLAND             | 42452 | C  | KOTA AERODROME              | INDIA               |
| 16726 | C  | KALAMATA (AIRPORT)           | GREECE              | 61293 | C  | KOUTIALA                    | MALI                |
| 25744 | C  | KAMENSKOE                    | RUSSIAN FEDERATION  | 45004 | CT | KOWLOON                     | HONG KONG, CHINA    |
| 22217 | CT | KANDALAKSHA                  | RUSSIAN FEDERATION  | 43314 | C  | KOZHIKODE                   | INDIA               |
| 61679 | C  | KAOLACK                      | SENEGAL             | 12566 | C  | KRAKOW                      | POLAND              |
| 71299 | C  | KAPUSKASING CDA ON, ONT      | CANADA              | 14008 | C  | KREDARICA                   | SLOVENIA            |
| 41780 | C  | KARACHI AIRPORT              | PAKISTAN            | 33791 | C  | KRYVYI RIH                  | UKRAINE             |
| 17074 | C  | KASTAMONU                    | TURKEY              | 60514 | C  | KSAR CHELLALA               | ALGERIA             |
| 44454 | C  | KATHMANDU AIRPORT            | NEPAL               | 48647 | C  | KUALA LUMPUR/SUBANG         | MALAYSIA            |
| 26629 | C  | KAUNAS                       | LITHUANIA           | 96413 | CT | KUCHING                     | MALAYSIA            |
| 92076 | C  | KAVIENG W.O.                 | PAPUA N GUINEA      | 62271 | C  | KUFRA                       | LIBYAN ARAB JAMAHIR |
| 27595 | C  | KAZAN'                       | RUSSIAN FEDERATION  | 38343 | C  | KULAN                       | KAZAKHSTAN          |
| 61699 | C  | KEDOUGOU                     | SENEGAL             | 65442 | C  | KUMASI                      | GHANA               |
| 04018 | CT | KEFLAVIKURFLUGVOLLUR         | ICELAND             | 56778 | CT | KUNMING                     | CHINA               |
| 22520 | C  | KEM'-PORT                    | RUSSIAN FEDERATION  | 97372 | C  | KUPANG/ELTARI               | INDONESIA           |
| 60120 | C  | KENITRA                      | MOROCCO             | 15730 | C  | KURDJALI                    | BULGARIA            |
| 16641 | C  | KERKYRA (AIRPORT)            | GREECE              | 47418 | C  | KUSHIRO                     | JAPAN               |

# STATION LIST RECENT DATA

|       |    |                              |                    |       |    |                            |                     |
|-------|----|------------------------------|--------------------|-------|----|----------------------------|---------------------|
| 17155 | C  | KUTAHYA                      | TURKEY             | 83766 | C  | LONDRINA                   | BRAZIL              |
| 71906 | CT | KUUIJUAQ A, QUE              | CANADA             | 94995 | C  | LORD HOWE ISLAND AERO      | AUSTRALIA           |
| 02120 | C  | KVIKKJOKK-ARRENJARKA         | SWEDEN             | 72295 | C  | LOS ANGELES /INT.,         | USA                 |
| 91366 | C  | KWAJALEIN/BUCHOLZ AAF, MARSH | USA                | 72423 | C  | LOUISVILLE/STANDIFORD, KY. | USA                 |
| 30949 | C  | KYRA                         | RUSSIAN FEDERATION | 95964 | C  | LOW HEAD                   | AUSTRALIA           |
| 36096 | C  | KYZYL                        | RUSSIAN FEDERATION | 48930 | C  | LUANG-PRABANG              | LAO PDR             |
| 33393 | C  | L'VIV                        | UKRAINE            | 33377 | C  | LUBNY                      | UKRAINE             |
| 78705 | C  | LA CEIBA (AIRPORT)           | HONDURAS           | 42369 | T  | LUCKNOW/AMAUSI             | INDIA               |
| 82723 | C  | LABREA                       | BRAZIL             | 10418 | C  | LUEDENSCHIED               | GERMANY             |
| 60545 | C  | LAGHOUAT                     | ALGERIA            | 06770 | C  | LUGANO                     | SWITZERLAND & LIECH |
| 10805 | C  | LAHR                         | GERMANY            | 34523 | C  | LUHANS'K                   | UKRAINE             |
| 72240 | C  | LAKE CHARLES/MUN.,           | USA                | 16597 | C  | LUQA                       | MALTA               |
| 48830 | C  | LANG SON                     | VIET NAM           | 06590 | C  | LUXEMBOURG/LUXEMBOURG      | LUXEMBOURG          |
| 98223 | C  | LAOAG                        | PHILIPPINES        | 03740 | C  | LYNEHAM                    | U KINGDOM           |
| 23867 | C  | LAR' YAK                     | RUSSIAN FEDERATION | 60467 | C  | M'SILA                     | ALGERIA             |
| 60030 | C  | LAS PALMAS DE GRAN CANARIA/G | SPAIN              | 40310 | C  | MA'AN                      | JORDAN              |
| 40022 | C  | LATTAKIA                     | SYRIAN ARAB REP    | 44294 | C  | MAANTI                     | MONGOLIA            |
| 94968 | C  | LAUNCESTON AIRPORT COMPARISO | AUSTRALIA          | 43185 | C  | MACHILIPATNAM/FRANCHPET    | INDIA               |
| 94865 | C  | LAVERTON RAAF                | AUSTRALIA          | 08221 | CT | MADRID/BARAJAS             | SPAIN               |
| 13577 | C  | LAZARPOLE                    | MACEDONIA          | 47624 | C  | MAEBASHI                   | JAPAN               |
| 78925 | C  | LE LAMENTIN                  | MARTINIQUE         | 40265 | CT | MAFRAQ                     | JORDAN              |
| 94302 | C  | LEARMONTH AIRPORT            | AUSTRALIA          | 61091 | C  | MAGARIA                    | NIGER               |
| 12120 | CT | LEBA                         | POLAND             | 37472 | C  | MAHACHKALA                 | RUSSIAN FEDERATION  |
| 03257 | C  | LEEMING                      | U KINGDOM          | 47750 | C  | MAIZURU                    | JAPAN               |
| 12374 | T  | LEGIONOWO                    | POLAND             | 91376 | C  | MAJURO/MARSHALL IS. INTNL. | USA                 |
| 10449 | C  | LEINEFELDE                   | GERMANY            | 28666 | C  | MAKUSINO                   | RUSSIAN FEDERATION  |
| 36208 | C  | LENINOGORSK                  | KAZAKHSTAN         | 08482 | C  | MALAGA/AEROPUERTO          | SPAIN               |
| 08055 | C  | LEON/VIRGEN DEL CAMINO       | SPAIN              | 30252 | C  | MAMAKAN                    | RUSSIAN FEDERATION  |
| 03005 | CT | LERWICK                      | U KINGDOM          | 78741 | C  | MANAGUA A.C.SANDINO        | NICARAGUA           |
| 80398 | C  | LETICIA/VASQUEZ COBO         | COLOMBIA           | 67341 | C  | MAPUTO/MAVALANE            | MOZAMBIQUE          |
| 28064 | C  | LEUSI                        | RUSSIAN FEDERATION | 82562 | C  | MARABA                     | BRAZIL              |
| 72422 | C  | LEXINGTON/BLUE GRASS, KY.    | USA                | 37860 | C  | MASHTAGA                   | AZERBAIJAN          |
| 55591 | CT | LHASA                        | CHINA              | 44314 | C  | MATAD                      | MONGOLIA            |
| 11603 | C  | LIBEREC                      | CZECH REP          | 89564 | C  | MAWSON                     | AUSTRALIA           |
| 67217 | C  | LICHINGA                     | MOZAMBIQUE         | 70231 | C  | MCGRATH, AK                | USA                 |
| 26406 | C  | LIEPAJA                      | LATVIA             | 60549 | C  | MECHERIA                   | ALGERIA             |
| 91165 | C  | LIHUE, KAUAI, HAWAII         | USA                | 60437 | C  | MEDEA                      | ALGERIA             |
| 07015 | C  | LILLE                        | FRANCE             | 94430 | C  | MEEKATHARRA AIRPORT        | AUSTRALIA           |
| 07434 | C  | LIMOGES                      | FRANCE             | 10548 | CT | MEININGEN                  | GERMANY             |
| 10393 | CT | LINDENBERG                   | GERMANY            | 60150 | C  | MEKNES                     | MOROCCO             |
| 08535 | C  | LISBOA/GEOF                  | PORTUGAL           | 60338 | C  | MELILLA                    | SPAIN               |
| 14015 | C  | LJUBLJANA/BEZIGRAD           | SLOVENIA           | 97014 | CT | MENADO/ SAM RATULANGI      | INDONESIA           |
| 08084 | C  | LOGRONO/AGONCILLO            | SPAIN              | 17340 | C  | MERSIN                     | TURKEY              |
| 84270 | C  | LOJA/LA ARGELIA              | ECUADOR            | 16420 | C  | MESSINA                    | ITALY               |

# STATION LIST RECENT DATA

|       |    |                       |                     |       |    |                              |                     |
|-------|----|-----------------------|---------------------|-------|----|------------------------------|---------------------|
| 16734 | C  | METHONI               | GREECE              | 72327 | CT | NASHVILLE/METROPOLITAN, TN.  | USA                 |
| 76680 | C  | MEXICO (CENTRAL),     | MEXICO              | 65319 | C  | NATITINGOU                   | BENIN               |
| 22471 | C  | MEZEN'                | RUSSIAN FEDERATION  | 91683 | C  | NAUSORI                      | FIJI                |
| 72202 | C  | MIAMI, FL             | USA                 | 08215 | C  | NAVACERRADA                  | SPAIN               |
| 10648 | C  | MICHELSTADT-VIELBRUNN | GERMANY             | 41749 | C  | NAWABSHAH                    | PAKISTAN            |
| 60195 | C  | MIDELT                | MOROCCO             | 47909 | CT | NAZE                         | JAPAN               |
| 11464 | C  | MILESOVKA             | CZECH REP           | 64700 | CT | NDJAMENA                     | CHAD                |
| 26850 | C  | MINSK                 | BELARUS             | 80315 | C  | NEIVA/BENITO SALAS           | COLOMBIA            |
| 89592 | C  | MIRNYJ                | ANTARCTICA          | 31152 | C  | NEL' KAN                     | RUSSIAN FEDERATION  |
| 62016 | C  | MISURATA              | LIBYAN ARAB JAMAHIR | 61497 | C  | NEMA                         | MAURITANIA          |
| 47830 | C  | MIYAZAKI              | JAPAN               | 29752 | C  | NENASTNAYA                   | RUSSIAN FEDERATION  |
| 68242 | C  | MMABATHO              | SOUTH AFRICA        | 30879 | C  | NERCHINSKIJ ZAVOD            | RUSSIAN FEDERATION  |
| 72223 | C  | MOBILE/BATES FIELD,   | USA                 | 10557 | C  | NEUHAUS A.R.                 | GERMANY             |
| 26863 | C  | MOGILEV               | BELARUS             | 42182 | CT | NEW DELHI/SAFDARJUNG         | INDIA               |
| 47165 | C  | MOKPO                 | REP KOREA           | 48877 | C  | NHA TRANG                    | VIET NAM            |
| 72544 | C  | MOLINE/QUAD CITY,     | USA                 | 61052 | C  | NIAMEY-AERO                  | NIGER               |
| 92044 | C  | MOMOTE W.O.           | PAPUA N GUINEA      | 07690 | C  | NICE                         | FRANCE              |
| 76342 | C  | MONCLOVA, COAH.       | MEXICO              | 17250 | C  | NIGDE                        | TURKEY              |
| 71309 | C  | MOOSONEE RCS, ONT     | CANADA              | 02942 | C  | NIINISALO                    | FINLAND             |
| 61265 | C  | MOPTI                 | MALI                | 31369 | C  | NIKOLAEVSK-NA-AMURE          | RUSSIAN FEDERATION  |
| 76665 | C  | MORELIA, MICH.        | MEXICO              | 07645 | T  | NIMES-COURBESSAC             | FRANCE              |
| 14648 | C  | MOSTAR                | BOSNIA AND HERZEGOV | 13388 | C  | NIS                          | SERBIA AND MONTENEG |
| 71989 | C  | MOULD BAY CS, NWT     | CANADA              | 30433 | C  | NIZHNEANGARSK                | RUSSIAN FEDERATION  |
| 33036 | C  | MOZYR                 | BELARUS             | 23724 | C  | NJAKSIMVOL'                  | RUSSIAN FEDERATION  |
| 63971 | C  | MTWARA                | U REP TANZANIA      | 41710 | C  | NOKKUNDI                     | PAKISTAN            |
| 10315 | C  | MUENSTER/OSNABRUECK   | GERMANY             | 70200 | CT | NOME, AK                     | USA                 |
| 17292 | C  | MUGLA                 | TURKEY              | 10113 | C  | NORDERNEY                    | GERMANY             |
| 42147 | C  | MUKTESHWAR KUMAON     | INDIA               | 61415 | CT | NOUADHIBOU                   | MAURITANIA          |
| 41675 | C  | MULTAN                | PAKISTAN            | 29634 | T  | NOVOSIBIRSK                  | RUSSIAN FEDERATION  |
| 08430 | CT | MURCIA                | SPAIN               | 94750 | C  | NOWRA RAN AIR STATION AWS    | AUSTRALIA           |
| 72636 | C  | MUSKEGON/COUNTY, MI.  | USA                 | 10506 | C  | NUERBURG-BARWEILER           | GERMANY             |
| 63756 | C  | MWANZA                | U REP TANZANIA      | 94681 | C  | NURIOOTPA VITICULTURAL       | AUSTRALIA           |
| 20476 | C  | MYS STERLEGOVA        | RUSSIAN FEDERATION  | 04250 | C  | NUUK (GODTHAAB)              | GREENLAND           |
| 61049 | C  | N'GUIGMI              | NIGER               | 43473 | C  | NUWARA ELIYA                 | SRI LANKA           |
| 60557 | C  | NAAMA                 | ALGERIA             | 91212 | C  | NWSO AGANA, GUAM, MARIANA IS | USA                 |
| 23445 | C  | NADYM                 | RUSSIAN FEDERATION  | 62790 | C  | NYALA                        | SUDAN               |
| 47636 | C  | NAGOYA                | JAPAN               | 62200 | C  | OBARI                        | LIBYAN ARAB JAMAHIR |
| 47936 | C  | NAHA                  | JAPAN               | 10948 | C  | OBERSTDORF                   | GERMANY             |
| 41128 | C  | NAJRAN                | SAUDI ARABIA        | 33837 | C  | ODESA                        | UKRAINE             |
| 24713 | C  | NAKANNO               | RUSSIAN FEDERATION  | 10742 | C  | OEHRINGEN                    | GERMANY             |
| 62002 | C  | NALUT                 | LIBYAN ARAB JAMAHIR | 31088 | CT | OHOTSK                       | RUSSIAN FEDERATION  |
| 38611 | C  | NAMANGAN              | UZBEKISTAN          | 47815 | C  | OITA                         | JAPAN               |
| 07180 | T  | NANCY-ESSEY           | FRANCE              | 24688 | C  | OJMJAKON                     | RUSSIAN FEDERATION  |
| 23205 | CT | NARJAN-MAR            | RUSSIAN FEDERATION  | 72353 | C  | OKLAHOMA CITY/W. ROGERS WORL | USA                 |

# STATION LIST RECENT DATA

|       |    |                        |                     |       |    |                              |                    |
|-------|----|------------------------|---------------------|-------|----|------------------------------|--------------------|
| 34163 | C  | OKTJABR'SKIJ GORODOK   | RUSSIAN FEDERATION  | 72532 | C  | PEORIA/GREATER PEORIA MUN.,  | USA                |
| 10215 | C  | OLDENBURG              | GERMANY             | 28224 | C  | PERM'                        | RUSSIAN FEDERATION |
| 24125 | CT | OLENEK                 | RUSSIAN FEDERATION  | 41530 | C  | PESHAWAR                     | PAKISTAN           |
| 72792 | C  | OLYMPIA, WA.           | USA                 | 82983 | CT | PETROLINA                    | BRAZIL             |
| 47655 | C  | OMAEZAKI               | JAPAN               | 48887 | C  | PHAN THIET                   | VIET NAM           |
| 44215 | C  | OMNO-GOBI              | MONGOLIA            | 48378 | C  | PHITSANULOK                  | THAILAND           |
| 25428 | C  | OMOLON                 | RUSSIAN FEDERATION  | 72278 | C  | PHOENIX/SKY HARBOR,          | USA                |
| 28698 | CT | OMSK                   | RUSSIAN FEDERATION  | 48826 | C  | PHU LIEN                     | VIET NAM           |
| 01212 | C  | ONA II                 | NORWAY              | 16052 | C  | PIAN ROSA                    | ITALY              |
| 22641 | C  | ONEGA                  | RUSSIAN FEDERATION  | 84140 | C  | PICHILINGUE                  | ECUADOR            |
| 94476 | C  | OODNADATTA AIRPORT     | AUSTRALIA           | 76243 | C  | PIEDRAS NEGRAS, COAH.        | MEXICO             |
| 87016 | C  | ORAN AERO              | ARGENTINA           | 86255 | C  | PILAR                        | PARAGUAY           |
| 08048 | C  | ORENSE                 | SPAIN               | 33019 | C  | PINSK                        | BELARUS            |
| 76737 | C  | ORIZABA, VER.          | MEXICO              | 16158 | C  | PISA/S. GIUSTO               | ITALY              |
| 01241 | CT | ORLAND III             | NORWAY              | 72520 | C  | PITTSBURGH/GREATER PITTSBURG | USA                |
| 40712 | C  | ORUMIEH                | IRAN, ISLAMIC REP   | 84401 | C  | PIURA                        | PERU               |
| 47772 | C  | OSAKA                  | JAPAN               | 61990 | C  | PLAISANCE (MAURITIUS)        | MAURITIUS          |
| 10480 | C  | OSCHATZ                | GERMANY             | 07117 | C  | PLOUMANAC'H PERROS GUIREC    | FRANCE             |
| 47675 | C  | OSHIMA                 | JAPAN               | 65518 | C  | PO                           | BURKINA FASO       |
| 01384 | C  | OSLO/GARDERMOEN        | NORWAY              | 72578 | C  | POCATELLO/MUN., ID.          | USA                |
| 02226 | C  | OSTERSUND FROSON       | SWEDEN              | 61612 | C  | PODOR                        | SENEGAL            |
| 65503 | C  | OUAGADOUGOU            | BURKINA FASO        | 32027 | C  | POGIBI                       | RUSSIAN FEDERATION |
| 60115 | C  | OIJDA                  | MOROCCO             | 47138 | C  | POHANG                       | REP KOREA          |
| 02875 | C  | OULU                   | FINLAND             | 07207 | C  | POINTE DU TALUT              | FRANCE             |
| 60421 | C  | OUM EL BOUAGHI         | ALGERIA             | 33506 | C  | POLTAVA                      | UKRAINE            |
| 08015 | C  | OVIEDO                 | SPAIN               | 08053 | C  | PONFERRADA                   | SPAIN              |
| 22619 | C  | PADANY                 | RUSSIAN FEDERATION  | 11934 | C  | POPRAD/TATRY                 | SLOVAKIA           |
| 16022 | C  | PAGANELLA              | ITALY               | 27675 | C  | PORETSKOE                    | RUSSIAN FEDERATION |
| 48955 | C  | PAKSE                  | LAO PDR             | 83332 | C  | POSSE                        | BRAZIL             |
| 08301 | C  | PALMA DE MALLORCA      | SPAIN               | 85293 | C  | POTOSI                       | BOLIVIA            |
| 08085 | C  | PAMPLONA/NOAIN         | SPAIN               | 83358 | C  | POXOREO (POXOREU)            | BRAZIL             |
| 41739 | C  | PANJGUR                | PAKISTAN            | 12330 | C  | POZNAN                       | POLAND             |
| 41560 | C  | PARACHINAR             | PAKISTAN            | 48500 | C  | PRACHUAP KHIRIKHAN           | THAILAND           |
| 37432 | C  | PASANAURI              | GEORGIA             | 31989 | C  | PREOBRAZHENIE                | RUSSIAN FEDERATION |
| 42492 | T  | PATNA                  | INDIA               | 11659 | C  | PRIBYSLAV                    | CZECH REP          |
| 71984 | C  | PAULATUK, NWT          | CANADA              | 11747 | T  | PROSTEJOV                    | CZECH REP          |
| 27823 | C  | PAVELETS               | RUSSIAN FEDERATION  | 84515 | C  | PUCALLPA                     | PERU               |
| 06610 | C  | PAYERNE                | SWITZERLAND & LIECH | 29313 | C  | PUDINO                       | RUSSIAN FEDERATION |
| 12942 | C  | PECS/POGANY            | HUNGARY             | 76685 | C  | PUEBLA, PUE.                 | MEXICO             |
| 86097 | C  | PEDRO JUAN CABALLERO   | PARAGUAY            | 43063 | C  | PUNE                         | INDIA              |
| 87544 | C  | PEHUAJO AERO           | ARGENTINA           | 26359 | C  | PUSKINSKIE GORY              | RUSSIAN FEDERATION |
| 96109 | C  | PEKAN BARU/SIMPANGTIGA | INDONESIA           | 43424 | C  | PUTTALAM                     | SRI LANKA          |
| 67215 | C  | PEMBA                  | MOZAMBIQUE          | 47058 | C  | PYONGYANG                    | DPR KOREA          |
| 48601 | CT | PENANG/BAYAN LEPAS     | MALAYSIA            | 56137 | C  | QAMDO                        | CHINA              |

# STATION LIST RECENT DATA

|       |    |                              |                     |       |    |                              |                     |
|-------|----|------------------------------|---------------------|-------|----|------------------------------|---------------------|
| 54857 | C  | QINGDAO                      | CHINA               | 28552 | C  | SADRINSK                     | RUSSIAN FEDERATION  |
| 50745 | C  | QIQIHAR                      | CHINA               | 06680 | C  | SAENTIS                      | SWITZERLAND & LIECH |
| 41660 | C  | QUETTA AIRPORT               | PAKISTAN            | 42671 | C  | SAGAR                        | INDIA               |
| 72797 | C  | QUILLAYUTE, WA.              | USA                 | 60536 | C  | SAIDA                        | ALGERIA             |
| 48870 | C  | QUY NHON                     | VIET NAM            | 41316 | CT | SALALAH                      | OMAN                |
| 60135 | C  | RABAT-SALE                   | MOROCCO             | 16723 | C  | SAMOS (AIRPORT)              | GREECE              |
| 40362 | C  | RAFHA                        | SAUDI ARABIA        | 61277 | C  | SAN                          | MALI                |
| 72306 | C  | RALEIGH/RALEIGH-DURHAM, NC.  | USA                 | 82106 | C  | SAO GABRIEL DA CACHOEIRA     | BRAZIL              |
| 93997 | T  | RAOUL ISLAND, KERMADec IS.   | N ZEALAND           | 47412 | CT | SAPPORO                      | JAPAN               |
| 72662 | C  | RAPID CITY/REGIONAL AIRPORT, | USA                 | 14654 | C  | SARAJEVO-BJELAVE             | BOSNIA AND HERZEGOV |
| 91843 | C  | RAROTONGA                    | COOK ISLANDS        | 21802 | C  | SASKYLAH                     | RUSSIAN FEDERATION  |
| 95670 | C  | RAYVILLE PARK                | AUSTRALIA           | 97900 | C  | SAUMLAKI/OLILIT              | INDONESIA           |
| 82900 | CT | RECIFE                       | BRAZIL              | 48947 | C  | SAVANNAKHET                  | LAO PDR             |
| 10776 | C  | REGENSBURG                   | GERMANY             | 48938 | C  | SAYABOURY                    | LAO PDR             |
| 07070 | C  | REIMS                        | FRANCE              | 10035 | CT | SCHLESWIG                    | GERMANY             |
| 07130 | C  | RENNES                       | FRANCE              | 98430 | C  | SCIENCE GARDEN               | PHILIPPINES         |
| 83738 | C  | RESENDE                      | BRAZIL              | 72793 | C  | SEATTLE/S.-TACOMA,           | USA                 |
| 08175 | C  | REUS/AEROPUERTO              | SPAIN               | 62124 | C  | SEBHA                        | LIBYAN ARAB JAMAHIR |
| 04030 | C  | REYKJAVIK                    | ICELAND             | 41256 | CT | SEEB, INT'L AIRPORT          | OMAN                |
| 85043 | C  | RIBERALTA                    | BOLIVIA             | 24661 | C  | SEGEN-KYUEL'                 | RUSSIAN FEDERATION  |
| 72401 | C  | RICHMOND/BYRD, VA.           | USA                 | 25703 | T  | SEJMCHAN                     | RUSSIAN FEDERATION  |
| 91948 | C  | RIKITEA                      | FRENCH POLY.        | 36177 | C  | SEMIPALATINSK                | KAZAKHSTAN          |
| 44203 | C  | RINCHINLHUMBE                | MONGOLIA            | 47590 | C  | SENDAI                       | JAPAN               |
| 76581 | C  | RIO VERDE, S.L.P.            | MEXICO              | 47108 | C  | SEOUL                        | REP KOREA           |
| 33301 | C  | RIVNE                        | UKRAINE             | 71279 | C  | SEPT-ILES, QUE               | CANADA              |
| 40438 | C  | RIYADH OBS. (O.A.P.)         | SAUDI ARABIA        | 61976 | C  | SERGE-FROLOW (ILE TROMELIN)  | OCEAN ISLANDS       |
| 17040 | C  | RIZE                         | TURKEY              | 60445 | C  | SETIF                        | ALGERIA             |
| 72411 | C  | ROANOKE/MUN., VA.            | USA                 | 23986 | C  | SEVERO-ENISEJSK              | RUSSIAN FEDERATION  |
| 71490 | C  | ROBERTSON LAKE (AUT), NU     | CANADA              | 63980 | C  | SEYCHELLES INTERNATIONAL AIR | SEYCHELLES          |
| 86565 | C  | ROCHA                        | URUGUAY             | 37126 | C  | SHADZHATMAZ                  | RUSSIAN FEDERATION  |
| 61988 | C  | RODRIGUES                    | MAURITIUS           | 22768 | C  | SHENKURSK                    | RUSSIAN FEDERATION  |
| 06190 | C  | ROENNE                       | DENMARK AND FAROE I | 40848 | C  | SHIRAZ                       | IRAN, ISLAMIC REP   |
| 30650 | C  | ROMANOVKA                    | RUSSIAN FEDERATION  | 22271 | T  | SHOJNA                       | RUSSIAN FEDERATION  |
| 03957 | C  | ROSSLARE                     | IRELAND             | 72248 | C  | SHREVEPORT/REG., LA.         | USA                 |
| 89062 | C  | ROTHERA                      | U KINGDOM           | 38328 | C  | SHYMKENT                     | KAZAKHSTAN          |
| 07037 | C  | ROUEN                        | FRANCE              | 26524 | C  | SIAULIAI                     | LITHUANIA           |
| 51777 | C  | RUOQIANG                     | CHINA               | 15260 | C  | SIBIU                        | ROMANIA             |
| 85141 | C  | RURRENABAQUE                 | BOLIVIA             | 60520 | C  | SIDI-BEL-ABBES               | ALGERIA             |
| 28966 | C  | RUZAEVKA                     | KAZAKHSTAN          | 17210 | C  | SIIRT                        | TURKEY              |
| 27730 | T  | RYAZAN'                      | RUSSIAN FEDERATION  | 42619 | C  | SILCHAR                      | INDIA               |
| 16360 | C  | S. MARIA DI LEUCA            | ITALY               | 33946 | C  | SIMFEROPOL'                  | UKRAINE             |
| 10708 | C  | SAARBRUECKEN/ENSHEIM         | GERMANY             | 47035 | C  | SINUIJU                      | DPR KOREA           |
| 71600 | C  | SABLE ISLAND, NS             | CANADA              | 71842 | C  | SIoux LOOKOUT A, ONT         | CANADA              |
| 71467 | C  | SACHS HARBOUR CLIMATE, NWT   | CANADA              | 62019 | C  | SIRTE                        | LIBYAN ARAB JAMAHIR |

# STATION LIST RECENT DATA

|       |    |                              |                    |       |    |                       |                    |
|-------|----|------------------------------|--------------------|-------|----|-----------------------|--------------------|
| 17090 | C  | SIVAS                        | TURKEY             | 40375 | CT | TABUK                 | SAUDI ARABIA       |
| 62417 | C  | SIWA                         | EGYPT              | 84782 | C  | TACNA                 | PERU               |
| 60355 | C  | SKIKDA                       | ALGERIA            | 34720 | C  | TAGANROG              | RUSSIAN FEDERATION |
| 71069 | C  | SLAVE LAKE A, ALTA           | CANADA             | 61043 | C  | TAHOUA                | NIGER              |
| 11903 | C  | SLIAC                        | SLOVAKIA           | 35406 | C  | TAIPAK                | KAZAKHSTAN         |
| 26951 | C  | SLUTSK                       | BELARUS            | 25932 | C  | TAJGNOS               | RUSSIAN FEDERATION |
| 71950 | C  | SMITHERS A, BC               | CANADA             | 47891 | C  | TAKAMATSU             | JAPAN              |
| 26781 | C  | SMOLENSK                     | RUSSIAN FEDERATION | 70251 | C  | TALKEETNA             | USA                |
| 76845 | C  | SN. CRISTOBAL LAS CASAS, CHI | MEXICO             | 60680 | CT | TAMANRASSET           | ALGERIA            |
| 32477 | C  | SOBOLEVO                     | RUSSIAN FEDERATION | 87645 | C  | TANDIL AERO           | ARGENTINA          |
| 02836 | C  | SODANKYLA                    | FINLAND            | 76903 | C  | TAPACHULA, CHIS       | MEXICO             |
| 15614 | CT | SOFIA (OBSERV.)              | BULGARIA           | 07621 | C  | TARBES-OSSUN          | FRANCE             |
| 48806 | C  | SON LA                       | VIET NAM           | 04360 | C  | TASIILAQ (AMMASSALIK) | GREENLAND          |
| 08148 | C  | SORIA                        | SPAIN              | 47646 | T  | TATENO                | JAPAN              |
| 16746 | C  | SOUDA (AIRPORT)              | GREECE             | 96481 | CT | TAWAU                 | MALAYSIA           |
| 31770 | C  | SOVETSKAYA GAVAN'            | RUSSIAN FEDERATION | 23256 | C  | TAZOVSKOE             | RUSSIAN FEDERATION |
| 14445 | C  | SPLIT/MARJAN                 | CROATIA            | 37545 | C  | TBILISI               | GEORGIA            |
| 72785 | C  | SPOKANE/INT., WA.            | USA                | 60475 | C  | TEBESSA               | ALGERIA            |
| 68512 | CT | SPRINGBOK                    | SOUTH AFRICA       | 24967 | C  | TEGYULTYA             | RUSSIAN FEDERATION |
| 25206 | C  | SREDNE-KOLYMSK               | RUSSIAN FEDERATION | 40754 | C  | TEHRAN-MEHRABAD       | IRAN, ISLAMIC REP  |
| 42027 | C  | SRINAGAR                     | INDIA              | 35426 | C  | TEMIR                 | KAZAKHSTAN         |
| 10028 | C  | ST PETER-ORDING              | GERMANY            | 60018 | T  | TENERIFE-GUIMAR       | SPAIN              |
| 26063 | C  | ST.PETERSBURG (VOEJKOVO)     | RUSSIAN FEDERATION | 83492 | C  | TEOFILO OTONI         | BRAZIL             |
| 04312 | C  | STATION NORD AWS             | GREENLAND          | 76373 | C  | TEPEHUANES, DGO.      | MEXICO             |
| 71017 | C  | STEFANSSON ISLAND, NU        | CANADA             | 16232 | C  | TERMOLI               | ITALY              |
| 02485 | C  | STOCKHOLM                    | SWEDEN             | 67261 | C  | TETE                  | MOZAMBIQUE         |
| 07190 | C  | STRASBOURG-ENTZHEIM          | FRANCE             | 94570 | C  | TEWANTIN RSL PARK     | AUSTRALIA          |
| 10738 | C  | STUTTGART-ECHTERDINGEN       | GERMANY            | 48840 | C  | THANH HOA             | VIET NAM           |
| 15023 | C  | SUCEAVA                      | ROMANIA            | 71695 | C  | THE PAS CLIMATE, MAN  | CANADA             |
| 24136 | C  | SUHANA                       | RUSSIAN FEDERATION | 43371 | CT | THIRUVANANTHAPURAM    | INDIA              |
| 15360 | C  | SULINA                       | ROMANIA            | 71079 | C  | THOMPSON              | CANADA             |
| 33275 | C  | SUMY                         | UKRAINE            | 41314 | C  | THUMRAIT              | OMAN               |
| 24738 | C  | SUNTAR                       | RUSSIAN FEDERATION | 60511 | C  | TIARET                | ALGERIA            |
| 22676 | C  | SURA                         | RUSSIAN FEDERATION | 61450 | C  | TIDJIKJA              | MAURITANIA         |
| 24790 | C  | SUSUMAN                      | RUSSIAN FEDERATION | 21824 | T  | TIKSI                 | RUSSIAN FEDERATION |
| 47421 | C  | SUTTSU                       | JAPAN              | 61036 | C  | TILLABERY             | NIGER              |
| 01008 | C  | SVALBARD LUFTHAVN            | NORWAY             | 02365 | T  | TIMRA/MIDLANDA        | SWEDEN             |
| 71446 | C  | SWIFT CURRENT CDA, SASK      | CANADA             | 60656 | C  | TINDOUF               | ALGERIA            |
| 94767 | C  | SYDNEY AIRPORT AMO           | AUSTRALIA          | 33829 | C  | TIRASPOL              | REP MOLDOVA        |
| 23804 | T  | SYKTYVKAR                    | RUSSIAN FEDERATION | 60395 | C  | TIZI-OUZOU            | ALGERIA            |
| 89532 | CT | SYOWA                        | JAPAN              | 76683 | C  | TLAXCALA, TLAX.       | MEXICO             |
| 72519 | C  | SYRACUSE/HANCOCK,            | USA                | 60531 | C  | TLEMCEN-ZENATA        | ALGERIA            |
| 12205 | C  | SZCZECIN                     | POLAND             | 28275 | C  | TOBOL'SK              | RUSSIAN FEDERATION |
| 12982 | CT | SZEGED                       | HUNGARY            | 31137 | C  | TOKO                  | RUSSIAN FEDERATION |

# STATION LIST RECENT DATA

|       |    |                          |                     |       |    |                              |                    |
|-------|----|--------------------------|---------------------|-------|----|------------------------------|--------------------|
| 23662 | C  | TOL'KA                   | RUSSIAN FEDERATION  | 23678 | C  | VERHNEIMBATSK                | RUSSIAN FEDERATION |
| 61223 | CT | TOMBOUCTOU               | MALI                | 72255 | C  | VICTORIA/VICTORIA REGIONAL,  | USA                |
| 06011 | CT | TORSHAVN                 | DENMARK AND FAROE I | 15502 | C  | VIDIN                        | BULGARIA           |
| 44225 | C  | TOSONTSENGEL             | MONGOLIA            | 48940 | C  | VIENTIANE                    | LAO PDR            |
| 27051 | C  | TOT'MA                   | RUSSIAN FEDERATION  | 08045 | C  | VIGO/PEINADOR                | SPAIN              |
| 60555 | C  | TOUGGOURT                | ALGERIA             | 11212 | C  | VILLACHERALPE                | AUSTRIA            |
| 94294 | C  | TOWNSVILLE AERO          | AUSTRALIA           | 33562 | C  | VINNYTSIA                    | UKRAINE            |
| 82145 | C  | TRACUATEUA (BRAGANCA)    | BRAZIL              | 85244 | C  | VIRU-VIRU                    | BOLIVIA            |
| 83618 | C  | TRES LAGOAS              | BRAZIL              | 02590 | C  | VISBY                        | SWEDEN             |
| 10609 | C  | TRIER-PETRISBERG         | GERMANY             | 26666 | C  | VITEBSK                      | BELARUS            |
| 23711 | C  | TROICKO-PECHERSKOE       | RUSSIAN FEDERATION  | 31960 | C  | VLADIVOSTOK                  | RUSSIAN FEDERATION |
| 26997 | C  | TRUBCHEVSK               | RUSSIAN FEDERATION  | 06310 | C  | VLISSINGEN                   | NETHERLANDS        |
| 44282 | C  | TSETSERLEG               | MONGOLIA            | 20982 | C  | VOLOCHANKA                   | RUSSIAN FEDERATION |
| 44347 | C  | TSOGT-OVOO               | MONGOLIA            | 34123 | C  | VORONEZ                      | RUSSIAN FEDERATION |
| 91954 | C  | TUBUAI                   | FRENCH POLY.        | 89606 | C  | VOSTOK                       | ANTARCTICA         |
| 72274 | C  | TUCSON/INT., AZ.         | USA                 | 33777 | C  | VOZNESENS'K                  | UKRAINE            |
| 98233 | C  | TUGUEGARAO               | PHILIPPINES         | 22837 | C  | VYTEGRA                      | RUSSIAN FEDERATION |
| 76634 | C  | TULANCINGO, HGO.         | MEXICO              | 72256 | C  | WACO, MADISON-COOPER,        | USA                |
| 80453 | C  | TUMEREMO                 | VENEZUELA           | 03377 | C  | WADDINGTON                   | U KINGDOM          |
| 60715 | CT | TUNIS-CARTHAGE           | TUNISIA             | 94910 | C  | WAGGA WAGGA AMO              | AUSTRALIA          |
| 02972 | C  | TURKU                    | FINLAND             | 97340 | C  | WAINGAPU/MAU HAU             | INDONESIA          |
| 76640 | C  | TUXPAN.VER.              | MEXICO              | 47600 | CT | WAJIMA                       | JAPAN              |
| 48354 | C  | UDON THANI               | THAILAND            | 47401 | CT | WAKKANAI                     | JAPAN              |
| 28722 | C  | UFA-DIOMA                | RUSSIAN FEDERATION  | 97686 | C  | WAMENA                       | INDONESIA          |
| 35416 | C  | UIL                      | KAZAKHSTAN          | 12375 | C  | WARSZAWA-OKECIE              | POLAND             |
| 97180 | C  | UJUNG PANDANG/HASANUDDIN | INDONESIA           | 10544 | C  | WASSERKUPPE                  | GERMANY            |
| 44292 | CT | ULAANBAATAR              | MONGOLIA            | 71199 | C  | WATSON LAKE (AUT), YT        | CANADA             |
| 44214 | C  | ULGI                     | MONGOLIA            | 10688 | C  | WEIDEN                       | GERMANY            |
| 44272 | C  | ULIASTAI                 | MONGOLIA            | 10980 | C  | WENDELSTEIN                  | GERMANY            |
| 47115 | C  | ULLEUNGDO                | REP KOREA           | 10055 | C  | WESTERMARKELSDORF            | GERMANY            |
| 33587 | C  | UMAN'                    | UKRAINE             | 92004 | C  | WEWAK W.O.                   | PAPUA N GUINEA     |
| 44304 | C  | UNDERKHAAN               | MONGOLIA            | 93112 | T  | WHENUAPAI                    | N ZEALAND          |
| 68424 | CT | UPINGTON                 | SOUTH AFRICA        | 71964 | CT | WHITEHORSE A, YT             | CANADA             |
| 35108 | C  | URALSK                   | KAZAKHSTAN          | 72351 | C  | WICHITA FALLS/SHEPS AFB/WICH | USA                |
| 38396 | C  | URGENCH                  | UZBEKISTAN          | 11035 | CT | WIEN/HOHE WARTE              | AUSTRIA            |
| 17188 | C  | USAK                     | TURKEY              | 72513 | C  | WILKES-BARRE-SCRANTON, PA.   | USA                |
| 87938 | C  | USHUAIA AERO             | ARGENTINA           | 72583 | C  | WINNEMUCCA/MUN., NV.         | USA                |
| 32287 | C  | UST'-HAJRJUZOVO          | RUSSIAN FEDERATION  | 94313 | C  | WITTENOOM                    | AUSTRALIA          |
| 01403 | C  | UTSIRA FYR               | NORWAY              | 12497 | C  | WLODAWA                      | POLAND             |
| 33631 | C  | UZHHOROD                 | UKRAINE             | 47055 | C  | WONSAN                       | DPR KOREA          |
| 08284 | C  | VALENCIA/AEROPUERTO      | SPAIN               | 94659 | C  | WOOMERA AERODROME            | AUSTRALIA          |
| 17170 | C  | VAN                      | TURKEY              | 12424 | C  | WROCLAW II                   | POLAND             |
| 01098 | C  | VARDO                    | NORWAY              | 51463 | CT | WU LU MU QI                  | CHINA              |
| 33038 | C  | VASILEVICH               | BELARUS             | 10655 | C  | WUERZBURG                    | GERMANY            |

# STATION LIST RECENT DATA

|       |    |                         |                     |
|-------|----|-------------------------|---------------------|
| 56571 | C  | XICHANG                 | CHINA               |
| 85365 | C  | YACUIBA                 | BOLIVIA             |
| 36064 | C  | YAJLJU                  | RUSSIAN FEDERATION  |
| 70361 | CT | YAKUTAT, AK             | USA                 |
| 94589 | C  | YAMBA PILOT STATION     | AUSTRALIA           |
| 23463 | C  | YANOV-STAN              | RUSSIAN FEDERATION  |
| 91413 | C  | YAP, CAROLINE IS.       | USA                 |
| 34866 | C  | YASHKUL'                | RUSSIAN FEDERATION  |
| 62008 | C  | YEFREN                  | LIBYAN ARAB JAMAHIR |
| 40439 | C  | YENBO                   | SAUDI ARABIA        |
| 47168 | C  | YEOSU                   | REP KOREA           |
| 37789 | C  | YEREVAN/YEREVAN-ARABKIR | ARMENIA             |
| 57461 | C  | YICHANG                 | CHINA               |
| 53614 | C  | YINCHUAN                | CHINA               |
| 47744 | T  | YONAGO                  | JAPAN               |
| 72525 | C  | YOUNGSTOWN, OH.         | USA                 |
| 14430 | T  | ZADAR RS                | CROATIA             |
| 14236 | C  | ZAGREB/GRIC             | CROATIA             |
| 27857 | C  | ZAMETCHINO              | RUSSIAN FEDERATION  |
| 08160 | C  | ZARAGOZA/AEROPUERTO     | SPAIN               |
| 34398 | C  | ZHALPAKTAL              | KAZAKHSTAN          |
| 35671 | C  | ZHEZKAZGAN              | KAZAKHSTAN          |
| 24343 | C  | ZHIGANSK                | RUSSIAN FEDERATION  |
| 41620 | C  | ZHOB                    | PAKISTAN            |
| 61695 | C  | ZIGUINCHOR              | SENEGAL             |
| 10582 | C  | ZINNWALD-GEORGENFELD    | GERMANY             |
| 36038 | C  | ZMEINOGORSK             | RUSSIAN FEDERATION  |
| 31829 | C  | ZOLOTOJ                 | RUSSIAN FEDERATION  |
| 17022 | C  | ZONGULDAK               | TURKEY              |
| 61404 | C  | ZOUERATE                | MAURITANIA          |
| 62007 | C  | ZUARA                   | LIBYAN ARAB JAMAHIR |
| 06660 | C  | ZUERICH-METEOSCHWEIZ    | SWITZERLAND & LIECH |
| 10961 | C  | ZUGSPITZE               | GERMANY             |
| 25400 | C  | ZYRYANKA                | RUSSIAN FEDERATION  |



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