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MONTHLY
CLIMATIC
DATA
FOR THE WORLD

PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

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

A handwritten signature in cursive script that reads "Thomas R. Karl".

Director
National Climatic Data Center

noaa

National
Oceanic and
Atmospheric Administration

National
Environmental Satellite, Data
and Information Service

National
Climatic Data Center
Asheville, North Carolina

PREFACE

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

REFERENCE NOTES

Names of countries (areas) and stations are those used in WMO Publication No. 9, Vol. A - Stations, except that long names may be shortened. Only those stations authorized as contributors by the WMO in VOLUME A are published. "Means" and "totals" mentioned below are monthly summary means and totals. Units abbreviations: celsius = C, degrees = o, 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

NOVEMBER 2004

| 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. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| EUROPE | | | | | | | | | | | | | | | | |
| NORWAY | | | | | | | | | | | | | | | | |
| 01001 JAN MAYEN | 7056N | 00840W | 9 | | 1005.3 | 1006.5 | -2.3 | 1.0 | 4.2 | .1 | 14 | 96 | 30 | 5 | | |
| 01008 SVALBARD LUFTHAVN | 7815N | 01528E | 29 | | 1000.7 | 1004.2 | -11.5 | -1.2 | 1.9 | -.6 | 4 | 11 | -2 | 3 | | |
| 01025 TROMSO/LANGNES | 6941N | 01855E | 10 | | 999.4 | 1000.5 | .1 | .7 | 5.2 | .3 | 23 | 173 | 68 | 5 | | |
| 01028 BJORNOYA | 7431N | 01901E | 16 | | 997.8 | 999.8 | -4.5 | -.8 | 3.6 | -.6 | 14 | 54 | 21 | 5 | | |
| 01098 VARDØ | 7022N | 03106E | 15 | | 996.1 | 997.9 | -.8 | .5 | 4.8 | -.1 | 12 | 51 | -8 | 3 | | |
| 01152 BODØ VI | 6715N | 01422E | 20 | | 1001.5 | 1003.1 | 1.5 | .3 | 5.6 | .4 | 24 | 172 | 72 | 5 | 4 | |
| 01241 ORLAND III | 6342N | 00936E | 7 | | 1006.1 | 1007.4 | 2.9 | .3 | 6.6 | .4 | 21 | 197 | 98 | 5 | | |
| 01317 BERGEN/FLORIDA | 6023N | 00520E | 36 | | 1007.6 | 1012.1 | 4.7 | .0 | 7.8 | .8 | 23 | 355 | 96 | 4 | | |
| 01384 OSLO/GARDERMOEN | 6012N | 01105E | 204 | | 986.6 | 1011.8 | -1.0 | .5 | 4.8 | -.3 | 11 | 75 | -14 | 2 | | |
| 01415 STAVANGER/SOLA | 5853N | 00538E | 9 | | 1012.3 | 1013.5 | 5.3 | .7 | 8.0 | .7 | 22 | 161 | 25 | 4 | | |
| SWEDEN | | | | | | | | | | | | | | | | |
| 02080 KARESUANDO | 6826N | 02230E | 325 | | 960.8 | 1002.0 | -10.6 | -1.5 | 3.2 | .0 | 6 | 17 | -17 | 0 | 25 | |
| 02128 GUNNARN | 6458N | 01742E | 281 | | 972.0 | 1007.3 | -7.3 | -1.7 | 3.6 | -.2 | 5 | 15 | -33 | 1 | | |
| 02196 HAPARANDA | 6550N | 02409E | 6 | | 1003.2 | 1004.0 | -4.6 | -.4 | 4.4 | .0 | 7 | 38 | -21 | 2 | 61 | |
| 02226 FROSON | 6312N | 01430E | 360 | | 962.0 | 1008.6 | -1.9 | .3 | 5.1 | .4 | 9 | 41 | 10 | 4 | 48 | |
| 02366 TIMRA/MIDLANDA | 6231N | 01727E | 7 | | 1007.7 | 1008.3 | -2.1 | -.1 | 5.0 | .0 | 5 | 12 | -43 | 1 | | |
| 02418 KARLSTAD FLYGPLATS | 5922N | 01328E | 50 | | 998.5 | 1011.9 | .8 | -.4 | 5.8 | -.4 | 11 | 62 | -9 | 3 | 56 | 100 |
| 02512 GÖTEBORG/SAVE | 5747N | 01153E | 16 | | 1011.2 | 1013.4 | 3.0 | -.7 | 7.3 | .1 | 14 | 79 | -5 | 3 | 64 | 110 |
| 02550 JONKÖPING/AXAMÖ | 5745N | 01405E | 218 | | 986.0 | 1013.7 | .9 | -.6 | 6.1 | -.3 | 14 | 98 | 32 | 5 | | |
| 02590 VISBY FLYGPLATS | 5740N | 01821E | 41 | | 1005.8 | 1012.1 | 3.1 | -.8 | 6.8 | -.5 | 12 | 66 | 9 | 4 | 68 | 142 |
| FINLAND | | | | | | | | | | | | | | | | |
| 02801 KILPISJARVI | 6903N | 02047E | 476 | | 944.0 | 1002.8 | -8.0 | | 3.4 | | 11 | 43 | | 5 | | |
| 02805 KEVO | 6945N | 02702E | 101 | | 987.9 | 1000.4 | -7.9 | | 3.5 | | 5 | 18 | | 1 | 15 | |
| 02836 SODANKYLÄ | 6722N | 02639E | 179 | | 980.8 | 1003.2 | -8.4 | -1.0 | 3.6 | | 9 | 38 | -1 | 3 | 27 | |
| 02869 KUUSAMO | 6558N | 02911E | 263 | | 972.4 | 1005.3 | -6.0 | .2 | 4.1 | | 9 | 37 | -10 | 2 | | |
| 02875 OULU | 6456N | 02522E | 15 | | 1003.0 | 1004.8 | -2.6 | .5 | 5.0 | | 9 | 27 | -4 | 3 | | |
| 02897 KAJAANI | 6417N | 02741E | 136 | | 989.2 | 1005.9 | -3.6 | .2 | 4.7 | | 9 | 38 | -4 | 3 | | |
| 02929 JOENSUU | 6240N | 02938E | 117 | | 992.3 | 1007.2 | -2.9 | -.2 | 4.9 | | 8 | 39 | -15 | 2 | | |
| 02935 JYVASKYLÄ | 6224N | 02541E | 145 | | 990.3 | 1007.7 | -2.3 | -.1 | 5.1 | | 7 | 29 | -30 | 1 | 37 | |
| 02942 NIINISALO | 6151N | 02228E | 136 | | 992.9 | 1008.5 | -1.7 | -.4 | 5.3 | | 9 | 48 | -11 | 3 | | |
| 02963 JOKIOINEN | 6049N | 02330E | 103 | | 996.4 | 1009.3 | -.7 | -.3 | 5.8 | | 7 | 46 | -9 | 3 | 46 | 131 |
| 02972 TURKU | 6031N | 02216E | 59 | | 1002.2 | 1009.6 | -.1 | -.7 | 5.8 | | 13 | 64 | -7 | 3 | 58 | 141 |
| 02974 HELSINKI-VANTAA | 6019N | 02458E | 56 | | 1002.7 | 1009.7 | -.5 | -.6 | 5.7 | | 11 | 63 | -9 | 3 | 56 | 156 |
| UNITED KINGDOM | | | | | | | | | | | | | | | | |
| 03005 LERWICK | 6008N | 00111W | 84 | | 1002.1 | 1012.3 | 5.9 | .8 | 8.3 | | 24 | 138 | -5 | 3 | 33 | 106 |
| 03026 STORNOWAY | 5813N | 00619W | 13 | | 1014.2 | 1016.1 | 7.7 | 1.9 | 9.4 | | 21 | 118 | -15 | 2 | 31 | 72 |
| 03066 KINLOSS | 5739N | 00334W | 7 | | 1016.1 | 1016.7 | 7.2 | 1.8 | 8.5 | | 14 | 51 | -11 | 2 | 55 | 112 |
| 03091 ABERDEEN/DYCE AIRPORT | 5712N | 00213W | 65 | | 1008.8 | 1016.8 | 7.0 | 2.0 | 8.1 | | 13 | 52 | -23 | 2 | 58 | 94 |
| 03100 TIRRE | 5630N | 00653W | 12 | | 1017.4 | 1018.5 | 9.1 | 2.0 | 9.9 | | 20 | 94 | -29 | 2 | 24 | 50 |
| 03162 ESKDALEMUIR | 5519N | 00312W | 242 | | 990.5 | 1020.3 | 6.0 | 1.9 | 8.5 | | 17 | 89 | -63 | 1 | 46 | 84 |
| 03257 LEEMING | 5418N | 00132W | 40 | | 1016.4 | 1020.4 | 7.5 | 1.6 | 8.8 | | 5 | 16 | -37 | 0 | 58 | 91 |

SURFACE

NOVEMBER 2004

| 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. |
| | O' | O' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 03302 VALLEY | 5315N | 00432W | 11 | | 1021.1 | 1022.3 | 9.6 | 1.5 | 10.0 | | 15 | 72 | -27 | 1 | 31 | 47 |
| 03377 WADDINGTON | 5310N | 00031W | 68 | | 1012.8 | 1021.3 | 7.7 | 1.7 | 9.1 | | 7 | 36 | -19 | 2 | 47 | 72 |
| 03502 ABERPORTH | 5208N | 00434W | 133 | | 1006.7 | 1023.0 | 9.0 | 1.5 | 9.8 | | 13 | 56 | -36 | 1 | 43 | 68 |
| 03740 LYNEHAM | 5130N | 00159W | 145 | | 1005.2 | 1023.1 | 7.6 | 1.3 | 9.4 | | 9 | 37 | -26 | 1 | 50 | 70 |
| 03797 MANSTON | 5121N | 00121E | 55 | | 1015.7 | 1021.8 | 8.4 | 1.1 | 9.4 | | 5 | 31 | -34 | 1 | 57 | 79 |
| 03808 CAMBORNE | 5013N | 00519W | 88 | | 1013.7 | 1024.3 | 10.0 | | 10.5 | | 16 | 43 | | 0 | 45 | 60 |
| 03862 BOURNEMOUTH AIRPORT | 5047N | 00150W | 11 | | 1021.9 | 1023.1 | 8.3 | 1.3 | 9.8 | | 9 | 28 | -56 | 1 | 54 | 72 |
| 03917 BELFAST/ALDERGROVE AIRPORT | 5439N | 00613W | 81 | | 1013.5 | 1021.3 | 8.2 | 2.2 | 9.8 | | 11 | 39 | -39 | 1 | 36 | 61 |
| IRELAND | | | | | | | | | | | | | | | | |
| 03953 VALENTIA OBSERVATORY | 5156N | 01015W | 30 | | 1020.9 | 1024.7 | 10.3 | 1.2 | | | | | | | | |
| 03955 CORK AIRPORT | 5151N | 00829W | 162 | | 1004.6 | 1024.5 | 8.6 | 1.3 | 10.2 | .9 | 8 | 35 | -74 | 0 | 49 | 75 |
| 03957 ROSSLARE | 5215N | 00620W | 25 | | 1020.4 | 1023.5 | 9.5 | 1.1 | 10.5 | 1.0 | 6 | 34 | -64 | 0 | 65 | 85 |
| 03962 SHANNON AIRPORT | 5242N | 00855W | 20 | | 1021.4 | 1023.8 | 9.2 | 1.6 | 10.1 | .9 | 9 | 67 | -28 | 2 | 30 | 50 |
| 03976 BELMULLET | 5414N | 01000W | 10 | | 1021.0 | 1022.2 | 9.9 | 1.9 | 10.8 | 1.7 | 14 | 67 | -60 | 1 | 22 | 40 |
| 03980 MALIN HEAD | 5522N | 00720W | 25 | | 1017.3 | 1020.4 | 9.1 | 1.3 | 10.3 | 1.6 | 17 | 95 | -20 | 2 | 25 | 55 |
| ICELAND | | | | | | | | | | | | | | | | |
| 04018 KEFLAVIKURFLUGVOLLUR | 6358N | 02236W | 54 | | 1001.6 | 1007.7 | 2.8 | | 6.5 | | 21 | 175 | | 5 | | |
| 04030 REYKJAVIK | 6408N | 02156W | 61 | | 1000.3 | 1007.9 | 2.2 | 1.1 | 6.2 | .7 | 20 | 113 | 41 | 4 | 27 | |
| 04063 AKUREYRI | 6541N | 01805W | 27 | | 1005.4 | 1008.8 | .0 | .4 | 6.0 | .9 | 13 | 62 | 8 | 4 | 23 | |
| 04082 AKURNES | 6418N | 01513W | 21 | | 1006.6 | 1009.2 | 1.9 | | 5.8 | | 10 | 154 | | 6 | | |
| GREENLAND | | | | | | | | | | | | | | | | |
| 04220 AASIAAT (EGEDSMINDE) | 6842N | 05251W | 41 | | | 1008.0 | -4.0 | 1.9 | 3.2 | | 10 | 19 | -19 | | | |
| 04250 NUUK (GODTHAAB) | 6410N | 05145W | 70 | | | 1007.2 | -1.3 | 2.3 | 4.0 | | 11 | 42 | -32 | | | |
| 04320 DANMARKSHAVN | 7646N | 01840W | 12 | | | 1015.4 | -19.6 | .3 | .6 | | 3 | 7 | -5 | | | |
| 04339 ILLOQQORTOORMIUT (SCORESBYSU) | 7029N | 02157W | 69 | | | 1013.2 | -9.0 | | 1.9 | | 9 | 21 | 2 | | | |
| 04360 TASIILAQ (AMASSALIK) | 6536N | 03738W | 52 | | | 1008.8 | -3.4 | 1.3 | 3.7 | | 11 | 104 | 8 | | | |
| 04390 PRINS CHRISTIAN SUND | 6003N | 04310W | 75 | | | 1008.8 | .9 | 2.1 | 4.2 | | 12 | 190 | -43 | | | |
| DENMARK & FAROE IS. | | | | | | | | | | | | | | | | |
| 06011 THORSHAVN | 6201N | 00646W | 55 | | | 1010.4 | 5.3 | .5 | 7.5 | | 21 | 197 | 54 | | | |
| 06030 AALBORG | 5706N | 00951E | 13 | | | 1014.2 | 4.9 | .5 | 7.4 | | 11 | 38 | | | | |
| 06186 KOEBENHAVN/LANDBOHOEJTSKOLEN | 5541N | 01233E | 7 | | | 1015.3 | 5.6 | | 7.6 | | 10 | 45 | | | | |
| 06190 ROENNE | 5504N | 01445E | 16 | | | 1015.4 | 5.9 | .2 | 8.8 | | | | | | | |
| NETHERLANDS | | | | | | | | | | | | | | | | |
| 06235 DE KOOY | 5255N | 00447E | 14 | | 1019.6 | 1019.7 | 7.8 | .7 | 9.1 | .4 | 13 | 51 | -40 | 1 | 58 | 107 |
| 06260 DE BILT | 5206N | 00511E | 15 | | 1020.1 | 1020.4 | 6.3 | .4 | 8.9 | .5 | 12 | 76 | -5 | 3 | 55 | 100 |
| BELGIUM | | | | | | | | | | | | | | | | |
| 06447 UCCLLE | 5048N | 00421E | 104 | | 1009.6 | 1022.1 | 6.4 | .4 | 8.8 | .3 | 11 | 78 | 0 | 4 | 60 | 94 |
| LUXEMBOURG | | | | | | | | | | | | | | | | |
| 06590 LUXEMBOURG/LUXEMBOURG | 4937N | 00613E | 379 | | 976.5 | 1022.7 | 4.4 | | 7.7 | | 12 | 44 | -39 | 1 | 59 | 107 |
| SWITZERLAND | | | | | | | | | | | | | | | | |
| 06660 ZURICH (TOWN/VILLE) | 4723N | 00834E | 569 | | 954.2 | 1022.8 | 4.3 | .3 | 7.1 | .4 | 6 | 21 | -61 | 1 | 47 | 81 |

SURFACE

NOVEMBER 2004

| 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. |
| | | | | | mb | mb | °C | °C | mb | mb | mm | mm | hr | % | | |
| 06680 SAENTIS | 4715N | 00921E | 2500 | | 749.5 | 3036 Z | -4.5 | -.5 | 3.3 | .2 | 11 | 141 | -70 | 2 | 93 | 70 |
| 06700 GENEVE-COINTRIN | 4615N | 00608E | 416 | | 972.3 | 1022.7 | 5.9 | .9 | 7.3 | .5 | 6 | 39 | -49 | 1 | 94 | 157 |
| 06770 LUGANO | 4600N | 00858E | 276 | | 986.1 | 1019.5 | 8.2 | 1.4 | 7.6 | .4 | 7 | 174 | 48 | 4 | 124 | 114 |
| FRANCE | | | | | | | | | | | | | | | | |
| 07005 ABBEVILLE | 5008N | 00150E | 77 | | 1013.0 | 1022.5 | 7.5 | | 9.5 | | 11 | 54 | | | 64 | 90 |
| 07015 LILLE | 5034N | 00306E | 52 | | 1016.1 | 1021.9 | 7.1 | | 9.1 | | 8 | 54 | | | 48 | 70 |
| 07020 LA HAGUE | 4943N | 00156E | 9 | | 1021.5 | 1023.3 | 11.3 | | 11.1 | | 10 | 27 | | | | |
| 07027 CAEN | 4911N | 00027W | 78 | | 1015.0 | 1023.2 | 8.9 | 1.4 | 10.3 | | 11 | 49 | -35 | 2 | 43 | 51 |
| 07037 ROUEN | 4923N | 00111E | 157 | | 1004.3 | 1022.9 | 7.2 | | 9.4 | | 10 | 52 | | | 43 | 65 |
| 07070 REIMS | 4918N | 00402E | 99 | | 1011.2 | 1022.5 | 6.7 | | 8.9 | | 3 | 12 | | | 63 | 95 |
| 07110 BREST | 4827N | 00425W | 99 | | 1013.0 | 1024.7 | 10.0 | 1.1 | 10.6 | | 11 | 35 | -85 | 1 | 42 | 53 |
| 07117 PLOUMANACH | 4850N | 00328W | 71 | | 1017.0 | 1024.1 | 11.1 | | 11.1 | | 8 | 29 | | | | |
| 07130 RENNES | 4804N | 00144W | 37 | | 1018.7 | 1024.0 | 9.1 | | 10.1 | | 8 | 30 | | | 54 | 65 |
| 07139 ALENCON | 4827N | 00007E | 144 | | 1005.7 | 1023.3 | 7.5 | | 9.7 | | 7 | 28 | | | 50 | 70 |
| 07149 PARIS-ORLY | 4844N | 00224E | 96 | | 1011.7 | 1022.7 | 7.8 | | 9.2 | | 6 | 20 | | | | |
| 07190 STRASBOURG | 4833N | 00738E | 154 | | 1003.4 | 1022.4 | 5.6 | .7 | 8.2 | | 8 | 28 | -18 | 2 | 49 | 86 |
| 07207 LE TALUT | 4718N | 00313W | 43 | | 1019.3 | 1024.7 | 11.0 | | 10.9 | | 6 | 22 | | | | |
| 07222 NANTES | 4710N | 00136W | 27 | | 1020.7 | 1024.0 | 9.1 | .8 | 10.1 | | 5 | 27 | -59 | 1 | 91 | 100 |
| 07255 BOURGES | 4704N | 00222E | 166 | | 1002.4 | 1022.8 | 6.9 | .4 | 9.1 | | 7 | 27 | -32 | 1 | 53 | 69 |
| 07280 DIJON | 4716N | 00505E | 227 | | 994.9 | 1022.7 | 5.8 | .5 | 8.4 | | 9 | 71 | 7 | 4 | 62 | 93 |
| 07299 BALE-MILHOUSE | 4736N | 00731E | 271 | | 989.2 | 1022.7 | 5.2 | | 7.8 | | 7 | 25 | | | 48 | 75 |
| 07314 CHASSIRON | 4602N | 00125W | 22 | | 1020.9 | 1023.7 | 10.5 | | 10.4 | | 5 | 20 | | | | |
| 07335 POITIERS | 4635N | 00019E | 129 | | 1008.8 | 1023.6 | 7.2 | | 9.3 | | 7 | 17 | | | 56 | 65 |
| 07434 LIMOGES | 4552N | 00111E | 402 | | 974.3 | 1022.9 | 6.1 | | 8.6 | | 9 | 41 | | | 86 | 105 |
| 07460 CLERMONT-FERRAND | 4547N | 00310E | 332 | | 982.7 | 1022.8 | 6.2 | | 8.4 | | 8 | 39 | | | 51 | 60 |
| 07471 LE BUY | 4505N | 00346E | 833 | | 923.8 | | 3.5 | | 6.9 | | 5 | 29 | | | 58 | 70 |
| 07481 LYON/SATOLAS | 4544N | 00505E | 248 | | 992.8 | 1022.2 | 6.1 | | 8.3 | | 6 | 46 | | | 57 | 80 |
| 07510 BORDEAUX/MERIGNAC | 4450N | 00042W | 61 | | 1016.8 | 1023.5 | 8.2 | | 9.3 | | 4 | 11 | -83 | 1 | 95 | 105 |
| 07535 GOURDON | 4445N | 00124E | 264 | | 991.0 | 1023.0 | 5.9 | | 8.5 | | 5 | 26 | | | 109 | 120 |
| 07560 MONT AIGOUAL | 4407N | 00335E | 1567 | | 842.7 | | 1.3 | | 5.4 | | 6 | 60 | | 6 | | |
| 07591 EMBRUN | 4434N | 00630E | 876 | | 916.0 | | 4.5 | | 5.8 | | 3 | 44 | | | 164 | 115 |
| 07607 MONT-DE-MARSAN | 4355N | 00030W | 63 | | 1016.3 | 1023.8 | 7.0 | | 9.4 | | 5 | 24 | | | 84 | 95 |
| 07630 TOULOUSE/BLAGNAC | 4338N | 00122E | 153 | | 1003.6 | 1022.5 | 7.1 | | 8.9 | | 6 | 29 | -19 | 1 | 82 | 85 |
| 07643 MONTPELLIER | 4335N | 00358E | 6 | | 1018.4 | 1019.4 | 9.8 | | 8.7 | | 5 | 17 | | | 181 | 130 |
| 07661 CAP CEPET | 4305N | 00556E | 136 | | 1000.4 | 1016.6 | 12.0 | | 9.7 | | 4 | 50 | | | | |
| 07690 NICE | 4339N | 00712E | 10 | | 1012.7 | 1016.1 | 12.1 | | 9.7 | | 7 | 78 | -26 | 2 | 152 | 100 |
| 07747 PERPIGNAN | 4244N | 00252E | 48 | | 1014.3 | 1020.0 | 10.9 | | 8.5 | | 1 | 6 | -52 | 1 | 186 | 130 |
| 07761 AJACCIO | 4155N | 00848E | 9 | | 1015.1 | 1015.8 | 12.6 | | 10.9 | | 6 | 72 | -23 | 2 | 130 | 95 |
| 07790 BASTIA | 4233N | 00929E | 12 | | 1014.4 | 1015.9 | 12.6 | | 11.8 | | 9 | 89 | | | 136 | 105 |
| SPAIN | | | | | | | | | | | | | | | | |
| 08001 LA CORUNA | 4322N | 00825W | 67 | | 1014.9 | 1023.0 | 12.5 | -1.1 | 11.5 | -2.2 | 5 | 56 | -60 | 1 | 142 | 129 |
| 08015 OVIEDO | 4321N | 00552W | 339 | | 982.5 | 1023.2 | 9.9 | -0.9 | 10.3 | .2 | 11 | 127 | 34 | 4 | 112 | 96 |
| 08023 SANTANDER | 4328N | 00348W | 59 | | 1016.5 | 1023.6 | 12.3 | -2.2 | 11.3 | .5 | 11 | 78 | -86 | 2 | 93 | 92 |
| 08045 VIGO/PEINADOR | 4213N | 00838W | 255 | | 992.6 | 1023.7 | 11.2 | .1 | 10.5 | -0.9 | 2 | 48 | -155 | 1 | 164 | 141 |
| 08075 BURGOS/VILLAFRIA | 4222N | 00338W | 891 | | 919.9 | 1530 Y | 5.1 | -0.8 | 7.5 | -0.6 | 6 | 39 | -23 | 2 | 108 | 98 |
| 08084 LOGRONO/AGONCILLO | 4227N | 00220W | 363 | | 980.1 | 1023.9 | 8.2 | -0.9 | 8.8 | -0.1 | 5 | 33 | -6 | 4 | 107 | 92 |
| 08141 VALLADOLID | 4139N | 00446W | 739 | | 936.3 | 1023.4 | 5.8 | -1.6 | 7.6 | -0.6 | 4 | 39 | -13 | 3 | 128 | 110 |

SURFACE

NOVEMBER 2004

| 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. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 08160 ZARAGOZA/AEROPUERTO | 4140N | 00101W | 258 | | 990.7 | 1021.9 | 8.9 | -.9 | 8.0 | -1.4 | 2 | 9 | -27 | 1 | 168 | 119 |
| 08181 BARCELONA/AEROPUERTO | 4117N | 00204E | 6 | | 1019.0 | 1019.5 | 12.7 | .2 | 9.9 | -1.2 | 1 | 7 | -67 | 1 | 177 | 122 |
| 08184 GERONA/COSTA BRAVA | 4154N | 00246E | 129 | | 1003.8 | 1019.4 | 10.1 | -.3 | 8.4 | -2.7 | 1 | 11 | -70 | 1 | 168 | 114 |
| 08202 SALAMANCA/MATACAN | 4057N | 00530W | 795 | | 930.2 | 1024.0 | 5.5 | -1.5 | 7.6 | -1.1 | 5 | 21 | -23 | 2 | 118 | 89 |
| 08221 MADRID/BARAJAS | 4027N | 00333W | 582 | | 953.0 | 1021.8 | 8.5 | -.4 | 7.7 | -1.1 | 3 | 23 | -36 | 1 | 219 | 149 |
| 08238 TORTOSA | 4049N | 00030E | 50 | | 1012.9 | 1018.9 | 12.6 | -.9 | 8.9 | -1.9 | 0 | T | -60 | 1 | 199 | 127 |
| 08261 CACERES | 3928N | 00620W | 405 | | 974.8 | 1023.1 | 10.8 | -.9 | 9.7 | -.2 | 4 | 28 | -46 | 1 | 193 | 130 |
| 08280 ALBACETE/LOS LLANOS | 3857N | 00151W | 704 | | 939.3 | 1021.8 | 8.3 | -.3 | 8.5 | -.5 | 1 | 4 | -34 | 1 | 186 | 125 |
| 08284 VALENCIA/AEROPUERTO | 3930N | 00028W | 62 | | 1011.9 | 1019.5 | 13.7 | .2 | 10.5 | -.6 | 1 | 5 | -57 | 1 | 190 | 117 |
| 08306 PALMA DE MALLORCA/SON SAN JU | 3933N | 00244E | 8 | | 1018.7 | 1019.3 | 12.8 | -.3 | 12.2 | -.7 | 9 | 74 | 28 | 5 | 169 | 102 |
| 08314 MENORCA/MAHON | 3952N | 00414E | 82 | | 1008.5 | 1018.8 | 13.9 | -.5 | 12.1 | -.7 | 9 | 119 | 42 | 5 | 117 | 76 |
| 08330 BADAJOZ/TALAVERA LA REAL | 3853N | 00649W | 192 | | 998.6 | 1020.8 | 11.7 | -.4 | 10.4 | -.8 | 3 | 28 | -63 | 1 | 196 | 121 |
| 08348 CIUDAD REAL | 3859N | 00355W | 629 | | 948.3 | 1022.4 | 8.8 | -.2 | 8.5 | -1.2 | 1 | 38 | -16 | 2 | 173 | 118 |
| 08359 ALICANTE | 3822N | 00030W | 82 | | 1009.8 | 1019.6 | 14.9 | .0 | 12.0 | .3 | 3 | 32 | -10 | 3 | 192 | 107 |
| 08373 IBIZA/ES CODOLA | 3852N | 00123E | 12 | | 1017.3 | 1019.4 | 14.6 | -.9 | 12.3 | -1.0 | 6 | 60 | 10 | 4 | 173 | 104 |
| 08391 SEVILLA/SAN PABLO | 3725N | 00554W | 31 | | 1015.4 | 1019.2 | 14.5 | | 10.8 | | 2 | 15 | | 1 | 210 | 115 |
| 08410 CORDOBA/AEROPUERTO | 3751N | 00451W | 92 | | 1009.8 | 1020.9 | 12.7 | -.2 | 10.8 | -.5 | 2 | 2 | -85 | 1 | 213 | 120 |
| 08433 MURCIA/SAN JAVIER | 3747N | 00048W | 3 | | 1019.2 | 1019.5 | 14.0 | -.3 | 13.4 | .7 | 4 | 7 | -35 | 2 | 195 | 123 |
| 08451 JEREZ DE LA FRONTERA AERO. | 3645N | 00604W | 28 | | 1016.6 | 1019.9 | 14.3 | -.1 | 11.1 | -1.9 | 2 | 5 | -103 | 1 | 202 | 110 |
| 08482 MALAGA/AEROPUERTO | 3640N | 00429W | 7 | | 1018.5 | 1019.3 | 15.3 | .2 | 12.2 | -.4 | 3 | 73 | -42 | 3 | 178 | 105 |
| 08487 ALMERIA/AEROPUERTO | 3651N | 00223W | 21 | | 1016.8 | 1019.3 | 16.2 | .0 | 11.3 | -1.7 | 2 | 13 | -18 | 2 | 193 | 104 |
| GIBRALTAR | | | | | | | | | | | | | | | | |
| 08495 GIBRALTAR | 3609N | 00521W | 5 | | 1019.2 | 1019.8 | 15.8 | | | | 4 | 50 | | 1 | 129 | 90 |
| PORTUGAL | | | | | | | | | | | | | | | | |
| 08506 HORTA (ACORES) | 3831N | 02838W | 62 | | 1013.9 | 1021.3 | 17.6 | .8 | 15.6 | .1 | 6 | 38 | -77 | 1 | 155 | 150 |
| 08515 SANTA MARIA (ACORES) | 3658N | 02510W | 100 | | 1009.1 | 1021.4 | 17.6 | .2 | 16.6 | 1.1 | 6 | 45 | -57 | 1 | | |
| 08535 LISBOA/GEOP | 3843N | 00909W | 95 | | 1008.5 | 1019.9 | 13.9 | -.6 | 12.0 | -.8 | 5 | 45 | -69 | 1 | 207 | 132 |
| 08546 PORTO/SERRA DO PILAR | 4108N | 00836W | 100 | | 1009.7 | 1021.9 | 11.2 | -1.1 | 9.7 | -2.0 | 3 | 27 | -125 | 1 | 214 | 154 |
| 08558 EVORA/C. COORD | 3832N | 00754W | 246 | | 991.1 | 1020.7 | 11.8 | | 10.7 | | 5 | 21 | | | 200 | |
| 08575 BRAGANCA | 4148N | 00644W | 692 | | 942.2 | 1025.4 | 5.4 | -2.6 | 7.7 | -1.1 | 3 | 18 | -71 | 1 | 122 | 90 |
| GERMANY | | | | | | | | | | | | | | | | |
| 10035 SCHLESWIG | 5432N | 00933E | 48 | | 1011.2 | 1017.2 | 5.0 | .1 | 7.9 | .0 | 12 | 52 | -53 | 1 | 69 | 138 |
| 10055 WESTERMARKELSDORF | 5432N | 01104E | 9 | | 1015.7 | 1016.7 | 6.5 | | 8.3 | | 8 | 32 | | | 72 | 125 |
| 10091 ARKONA | 5441N | 01326E | 42 | | 1010.6 | 1015.8 | 5.8 | | 8.0 | | 10 | 30 | | | 72 | 135 |
| 10147 HAMBURG-FUHLBUETTEL | 5338N | 00959E | 15 | | 1015.9 | 1017.8 | 5.2 | .1 | 7.9 | .1 | 15 | 94 | 23 | 4 | 74 | 140 |
| 10161 BOLTENHAGEN | 5400N | 01112E | 17 | | 1015.0 | 1017.1 | 5.5 | | 8.0 | | 9 | 37 | | | 70 | 120 |
| 10162 SCHWERIN | 5339N | 01123E | 68 | | 1008.9 | 1017.4 | 4.9 | | 7.8 | | 11 | 66 | | 4 | 78 | 150 |
| 10170 ROSTOCK-WARNEMUENDE | 5411N | 01205E | 10 | | 1015.1 | 1016.6 | 6.0 | .7 | 7.9 | .0 | 10 | 40 | -12 | 2 | 64 | 123 |
| 10184 GREIFSWALD | 5406N | 01324E | 6 | | 1015.7 | 1016.4 | 4.7 | | 7.8 | | 8 | 43 | | | 62 | 110 |
| 10200 EMDEN-FLUGPLATZ | 5323N | 00714E | 5 | | 1017.8 | 1018.4 | 6.2 | | 8.6 | | 17 | 83 | | | 67 | 120 |
| 10261 SEEHAUSEN | 5254N | 01144E | 23 | | 1014.9 | 1017.8 | 4.7 | | 7.8 | | 7 | 51 | | | 49 | 100 |
| 10270 NEURUPPIN | 5254N | 01249E | 39 | | 1012.1 | 1017.8 | 4.4 | | 7.7 | | 10 | 55 | | 4 | 51 | 125 |
| 10291 ANGERMUENDE | 5302N | 01400E | 35 | | 1010.4 | 1017.3 | 4.2 | | 7.6 | | 8 | 43 | | | 59 | 115 |
| 10338 HANNOVER | 5228N | 00941E | 59 | | 1011.8 | 1019.2 | 5.3 | .3 | 8.3 | .5 | 14 | 71 | 19 | 5 | 59 | 102 |
| 10361 MAGDEBURG | 5208N | 01136E | 85 | | 1008.4 | 1018.9 | 5.0 | | 8.0 | | 10 | 55 | | 5 | 61 | 105 |
| 10379 POTSDAM | 5223N | 01304E | 100 | | 1005.9 | 1018.4 | 4.4 | .2 | 7.9 | .5 | 13 | 83 | 36 | 6 | 46 | 85 |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | | | | | mb | mb | °C | °C | mb | mb | mm | mm | hr | % | | |
| 10384 BERLIN-TEMPELHOF | 5228N | 01324E | 49 | | 1012.1 | 1018.2 | 4.9 | | 7.9 | | 9 | 58 | | | 42 | 80 |
| 10385 BERLIN-SCHOENEFELD | 5223N | 01331E | 50 | | 1011.6 | 1017.9 | 4.4 | | 7.7 | | 9 | 60 | | | 46 | |
| 10393 LINDENBERG | 5213N | 01407E | 104 | | 1005.4 | 1018.3 | 4.3 | .2 | 7.6 | .3 | 12 | 69 | 25 | 5 | 48 | 96 |
| 10410 ESSEN | 5124N | 00658E | 161 | | 1000.9 | 1020.8 | 5.3 | -.4 | 8.2 | .3 | 15 | 129 | 46 | 5 | 56 | 102 |
| 10453 BROCKEN | 5148N | 01037E | 1153 | | 883.2 | 1458 Y | -.4 | | 5.5 | | 22 | 227 | | | 47 | 90 |
| 10460 ARTERN | 5123N | 01118E | 166 | | 999.3 | 1019.9 | 4.8 | | 7.6 | | 7 | 48 | | | 43 | 95 |
| 10469 LEIPZIG-SCHKEUDITZ | 5125N | 01214E | 149 | | 1002.6 | 1019.4 | 4.5 | | 7.4 | | 12 | 69 | | 5 | 49 | 100 |
| 10474 WITTENBERG | 5153N | 01239E | 106 | | 1005.5 | 1018.6 | 4.5 | | 7.9 | | 12 | 80 | | | 47 | 85 |
| 10480 OSCHATZ | 5118N | 01306E | 152 | | 1000.4 | 1019.2 | 4.7 | | 7.7 | | 12 | 82 | | | 43 | 75 |
| 10488 DRESDEN-KLOTZSCHE | 5108N | 01345E | 232 | | 990.6 | 1019.1 | 4.4 | | 7.8 | | 14 | 98 | | | 33 | 55 |
| 10496 COTTBUS | 5147N | 01419E | 70 | | 1009.7 | 1018.3 | 4.6 | | 7.6 | | 13 | 78 | | | 35 | 60 |
| 10499 GOERLITZ | 5110N | 01457E | 240 | | 988.9 | 1018.2 | 4.1 | .2 | 7.6 | .6 | 15 | 93 | 42 | 6 | 39 | 68 |
| 10548 MEININGEN | 5034N | 01023E | 453 | | 965.4 | 1020.6 | 3.3 | | 7.1 | | 13 | 61 | | 4 | 51 | 120 |
| 10554 ERFURT-BINDERSLEBEN | 5059N | 01058E | 322 | | 980.4 | 1019.8 | 3.9 | | 7.7 | | 8 | 58 | | | 49 | 80 |
| 10557 NEUHAUS A.R. | 5030N | 01108E | 268 | | | 1470 Y | .6 | | 6.4 | | 14 | 119 | | | 32 | |
| 10567 GERA-LEUMNITZ | 5053N | 01208E | 311 | | 981.1 | 1019.3 | 3.8 | | 7.5 | | 14 | 82 | | | 42 | 60 |
| 10577 CHEMNITZ | 5048N | 01252E | 420 | | 968.4 | 1019.6 | 3.4 | | 7.2 | | 16 | 132 | | | 32 | 50 |
| 10578 FICHTELBERG | 5026N | 01257E | 1215 | | 876.9 | 1463 Y | -1.0 | -.1 | 5.5 | .3 | 20 | 219 | 131 | 6 | 37 | 62 |
| 10609 TRIER-PETRISBERG | 4945N | 00640E | 273 | | 988.8 | 1022.3 | 4.9 | .3 | 8.5 | .9 | 9 | 31 | -43 | 1 | 41 | 84 |
| 10628 GEISENHEIM | 4959N | 00757E | 123 | | 1006.5 | 1021.7 | 5.7 | .6 | 7.9 | .4 | 8 | 29 | -20 | 1 | 63 | 126 |
| 10727 KARLSRUHE | 4902N | 00822E | 145 | | 1004.2 | 1022.1 | 5.8 | .5 | 8.7 | 1.0 | 8 | 39 | -26 | 1 | 61 | 105 |
| 10738 STUTTGART- ECHTERDINGEN | 4841N | 00914E | 391 | | 974.2 | 1021.9 | 4.3 | | 7.1 | | 8 | 30 | | 2 | 62 | 80 |
| 10763 NUERNBERG | 4930N | 01103E | 318 | | 982.3 | 1021.2 | 4.0 | .1 | 7.5 | .6 | 15 | 44 | 0 | 3 | 41 | 72 |
| 10870 MUENCHEN, FLUGHAFEN | 4822N | 01148E | 447 | | 966.9 | 1021.2 | 3.8 | 1.0 | 7.2 | .7 | 9 | 28 | -27 | 1 | 55 | 92 |
| 10929 KONSTANZ | 4741N | 00911E | 447 | | 968.2 | 1022.4 | 4.9 | .6 | 7.8 | .6 | 6 | 14 | -51 | 1 | 35 | 67 |
| 10946 KEMPTEN | 4743N | 01020E | 705 | | 937.6 | 1022.2 | 2.6 | | 6.9 | | 10 | 51 | | | 47 | 50 |
| 10961 ZUGSPITZE | 4725N | 01059E | 2962 | | 706.0 | 3030 Z | -8.0 | -.9 | 2.8 | .1 | 13 | 194 | 36 | 4 | 95 | 71 |
| 10962 HOHENPEIßENBERG | 4748N | 01101E | 986 | | 905.3 | 1491 Y | 1.6 | -1.0 | 6.0 | .1 | 10 | 51 | -22 | 2 | 60 | 65 |
| AUSTRIA | | | | | | | | | | | | | | | | |
| 11028 ST. POELTEN | 4811N | 01537E | 284 | | 984.5 | 1019.2 | 4.8 | | 7.5 | .7 | 7 | 45 | -4 | 3 | 64 | 108 |
| 11035 WIEN/HOHE WART | 4814N | 01621E | 209 | | 993.7 | 1019.1 | 6.2 | | 7.8 | .7 | 7 | 48 | -2 | 3 | 66 | 105 |
| 11120 INNSBRUCK-FLUGHAFEN | 4716N | 01121E | 593 | | 950.6 | 1022.4 | 2.4 | | 6.6 | | 9 | 32 | | 2 | 57 | 65 |
| 11146 SONNBLICK | 4703N | 01257E | 3111 | | 691.7 | 3018 Z | -8.5 | | 2.8 | .2 | 18 | 137 | -60 | 4 | 87 | 73 |
| 11150 SALZBURG-FLUGHAFEN | 4748N | 01300E | 450 | | 966.9 | 1021.7 | 3.6 | | 6.7 | .1 | 11 | 55 | -19 | 2 | 48 | 60 |
| 11155 FEUERKOGEL | 4749N | 01344E | 1621 | | 836.0 | 1487 Y | -.5 | | 4.6 | | 15 | 163 | | 3 | 67 | 65 |
| 11212 VILLACHERALPE | 4636N | 01340E | 2160 | | 782.9 | 1501 Y | -1.9 | | 4.1 | | 7 | 42 | | 1 | 145 | 125 |
| 11231 KLAGENFURT-FLUGHAFEN | 4639N | 01420E | 476 | | 962.8 | 1020.9 | 2.5 | | 6.5 | .0 | 2 | 37 | -49 | 2 | 81 | 125 |
| 11240 GRAZ-THALERHOF-FLUGHAFEN | 4700N | 01526E | 347 | | 975.7 | 1019.9 | 4.6 | | 7.1 | .3 | 5 | 38 | -21 | 2 | 76 | 96 |
| CZECH REPUBLIC | | | | | | | | | | | | | | | | |
| 11423 PRIMDA | 4940N | 01240E | 748 | | 930.7 | | 1.4 | | 6.8 | | 15 | 82 | | 5 | 33 | 75 |
| 11464 MILESOVKA | 5033N | 01356E | 836 | | 919.3 | | .9 | | 6.4 | | 12 | 66 | | 5 | 43 | 70 |
| 11487 KOCELOVICE | 4928N | 01350E | 522 | | 957.1 | 1020.4 | 2.9 | | 7.2 | | 10 | 47 | | 4 | 35 | 70 |
| 11518 PRAHA/RUZYNE | 5006N | 01415E | 380 | | 975.1 | 1019.8 | 3.9 | .9 | 7.2 | .6 | 12 | 44 | 13 | 5 | 54 | 102 |
| 11520 PRAHA-LIBUS | 5000N | 01427E | 303 | | 982.5 | 1019.7 | 4.5 | | 7.4 | | 12 | 49 | | 5 | 40 | 75 |
| 11603 LIBEREC | 5046N | 01501E | 399 | | 970.2 | 1019.1 | 3.4 | | 7.4 | | 18 | 124 | | 6 | 32 | 75 |
| 11659 PRIBYSLAV | 4935N | 01546E | 536 | | 955.0 | 1019.8 | 3.6 | | 7.1 | | 14 | 81 | | 5 | 44 | 100 |
| 11723 BRNO/TURANY | 4910N | 01642E | 246 | | 989.3 | 1019.5 | 4.5 | 1.0 | 7.6 | .8 | 5 | 39 | 2 | 3 | 65 | 127 |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 11782 OSTRAVA/MOSNOV | 4941N | 01807E | 260 | | 987.0 | 1018.9 | 4.5 | .8 | 7.5 | .7 | 9 | 46 | 2 | 3 | 45 | 83 |
| SLOVAKIA | | | | | | | | | | | | | | | | |
| 11903 SLIAC | 4839N | 01909E | 315 | | 980.3 | 1018.9 | 4.3 | 1.2 | 7.2 | .5 | 9 | 54 | -15 | | 84 | 168 |
| 11934 POPRAD/TATRY | 4904N | 02015E | 695 | | 934.9 | | 2.0 | .7 | 6.3 | .6 | 8 | 46 | 2 | 4 | 79 | 93 |
| POLAND | | | | | | | | | | | | | | | | |
| 12120 LEBA | 5445N | 01732E | 2 | | 1014.1 | 1014.8 | 4.7 | | 7.3 | | 12 | 74 | | 4 | 73 | |
| 12160 ELBLAG | 5410N | 01926E | 43 | | 1009.8 | 1015.1 | 3.5 | | 7.1 | | 13 | 65 | | 4 | 52 | 130 |
| 12205 SZCZECIN | 5324N | 01437E | 3 | | 1016.2 | 1017.0 | 4.5 | .1 | 7.5 | .0 | 10 | 62 | 16 | 4 | 55 | 135 |
| 12295 BIALYSTOK | 5306N | 02310E | 151 | | 997.1 | 1016.0 | 2.2 | .0 | 6.6 | -.1 | 12 | 41 | -5 | 3 | 28 | 80 |
| 12330 POZNAN | 5225N | 01650E | 92 | | 1006.4 | 1017.3 | 4.1 | .3 | 7.3 | .1 | 10 | 46 | 7 | 4 | 46 | 115 |
| 12375 WARSZAWA-OKECIE | 5210N | 02058E | 107 | | 1003.4 | 1016.6 | 3.7 | .5 | 7.2 | .2 | 11 | 52 | 11 | 6 | 48 | 110 |
| 12424 WROCLAW II | 5106N | 01653E | 121 | | 1002.8 | 1018.3 | 4.6 | .7 | 7.4 | .2 | 12 | 69 | 26 | 5 | 44 | 85 |
| 12497 WLODAWA | 5133N | 02332E | 179 | | 994.5 | 1016.8 | 3.1 | | 7.1 | | 10 | 49 | 4 | 4 | 30 | 60 |
| 12566 KRAKOW | 5005N | 01948E | 237 | | 988.9 | 1018.3 | 4.4 | 1.2 | 7.4 | .5 | 12 | 48 | 3 | 4 | 32 | 67 |
| HUNGARY | | | | | | | | | | | | | | | | |
| 12843 BUDAPEST/LORINC | 4726N | 01911E | 139 | | 1001.5 | 1018.8 | 6.0 | 1.2 | 7.4 | .0 | 7 | 64 | 12 | 4 | 99 | 148 |
| 12882 DEBRECEN | 4729N | 02136E | 109 | | 1004.4 | 1017.8 | 5.1 | .6 | 7.9 | .5 | 8 | 70 | 25 | 5 | 79 | 113 |
| 12942 PECS/POGANY | 4606N | 01814E | 203 | | 994.4 | 1019.4 | 6.1 | 1.0 | 7.8 | .3 | 6 | 65 | 9 | 4 | 107 | 132 |
| 12982 SZEGED | 4615N | 02006E | 83 | | 1008.5 | 1018.8 | 5.7 | .6 | 8.1 | .5 | 7 | 83 | 42 | 5 | 108 | 135 |
| SLOVENIA | | | | | | | | | | | | | | | | |
| 14008 KREDARICA | 4623N | 01351E | 2515 | | 747.5 | 3031 Z | -4.1 | | 3.4 | | 10 | 147 | | 3 | 101 | 90 |
| 14015 LJUBLJANA/BEZIGRAD | 4604N | 01431E | 298 | | 983.6 | 1019.9 | 5.9 | | 7.6 | | 8 | 88 | | 2 | 73 | 130 |
| CROATIA | | | | | | | | | | | | | | | | |
| 14236 ZAGREB/GRIC | 4549N | 01559E | 162 | | 999.4 | 1019.3 | 7.6 | | 7.9 | | 7 | 45 | | 2 | 80 | 120 |
| 14445 SPLIT/MARJAN | 4331N | 01626E | 128 | | 1000.9 | 1016.3 | 12.7 | | 8.4 | | 10 | 157 | | 5 | 116 | 135 |
| BOSNIA AND HERZGOVINA | | | | | | | | | | | | | | | | |
| 14654 SARAJEVO/BEJELAVE | 4352N | 01826E | 638 | | 944.5 | 1020.7 | 4.2 | -1.1 | 6.4 | -.5 | 9 | 156 | 62 | 5 | 88 | 109 |
| YUGOSLAVIA | | | | | | | | | | | | | | | | |
| 13274 BEOGRAD | 4448N | 02028E | 132 | | 1002.9 | 1019.1 | 7.6 | .6 | 8.4 | .7 | 9 | 130 | 76 | 6 | 101 | 113 |
| 13463 PODGORICA-GRAD | 4226N | 01917E | 50 | | 1012.6 | 1018.6 | 10.8 | | 8.8 | | 12 | 286 | | 4 | 130 | 95 |
| ROMANIA | | | | | | | | | | | | | | | | |
| 15085 BISTRITA | 4708N | 02430E | 367 | | 973.5 | 1018.4 | 4.3 | 1.1 | 7.1 | .3 | 12 | 102 | 55 | 6 | 86 | 110 |
| 15090 IASI | 4710N | 02738E | 104 | | 1006.2 | 1018.0 | 5.4 | 1.1 | 7.1 | -.2 | 7 | 63 | 28 | 5 | 85 | 116 |
| 15120 CLUJ-NAPOCA | 4647N | 02334E | 413 | | 968.4 | 1018.5 | 4.3 | 1.9 | 7.2 | .7 | 12 | 86 | 56 | 6 | 84 | 114 |
| 15247 TIMISOARA | 4546N | 02115E | 88 | | 1007.5 | 1018.1 | 6.0 | .4 | 7.8 | .0 | 9 | 127 | 79 | 6 | 83 | 97 |
| 15260 SIBIU | 4548N | 02409E | 444 | | 964.4 | 1018.3 | 4.4 | .7 | 6.9 | .0 | 11 | 73 | 39 | 5 | 83 | 100 |
| 15360 SULINA | 4509N | 02940E | 9 | | 1016.8 | 1017.5 | 8.7 | .9 | 9.7 | .2 | 4 | 18 | -4 | 3 | 129 | 150 |
| 15420 BUCURESTI/IMH | 4430N | 02608E | 91 | | 1006.0 | 1017.5 | 5.4 | .2 | 7.7 | -.1 | 7 | 79 | 30 | 5 | 107 | 123 |
| 15480 CONSTANTA | 4413N | 02838E | 14 | | 1017.5 | 1019.1 | 9.3 | 1.3 | 10.4 | 1.0 | 2 | 6 | -36 | 0 | 105 | 104 |
| BULGARIA | | | | | | | | | | | | | | | | |

SURFACE

NOVEMBER 2004

| 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. |
| | | | | | ° | ° | m | mb | mb | °C | °C | mb | mb | mm | mm | hr |
| 15552 VARNA | 4312N | 02755E | 43 | | 1012.6 | 1017.9 | 9.8 | 1.0 | 9.7 | .5 | 2 | 4 | -46 | 1 | 120 | 115 |
| 15614 SOFIA (OBSERV.) | 4239N | 02323E | 595 | | 948.4 | 1019.2 | 6.1 | 1.0 | 7.5 | .6 | 3 | 44 | -9 | 3 | 108 | 113 |
| ITALY | | | | | | | | | | | | | | | | |
| 16045 UDINE/RIVOLTO | 4559N | 01302E | 53 | | 1011.6 | 1018.0 | 8.0 | | 9.5 | | 7 | 108 | 1 | 3 | 88 | 75 |
| 16090 VERONA/VILLAFRANCA | 4523N | 01052E | 68 | | 1009.9 | 1018.2 | 8.2 | | 10.0 | | 7 | 81 | 6 | 4 | 122 | 135 |
| 16110 TRIESTE | 4539N | 01345E | 20 | | 1016.9 | 1017.4 | 11.6 | | 8.6 | | 4 | 56 | -57 | 2 | 119 | 120 |
| 16158 PISA/S. GIUSTO | 4341N | 01023E | 6 | | 1016.0 | 1016.7 | 11.3 | | 10.5 | | 9 | 108 | -14 | 3 | 117 | 105 |
| 16325 MARINA DI GINOSA | 4026N | 01653E | 12 | | 1014.2 | 1015.6 | 13.5 | | 13.1 | | 8 | 388 | 337 | 6 | | |
| 16420 MESSINA | 3812N | 01533E | 51 | | 1008.9 | 1015.3 | 16.3 | | 14.7 | | 13 | 125 | 19 | 4 | 122 | 88 |
| 16429 TRAPANI/BIRGI | 3755N | 01230E | 14 | | 1014.4 | 1015.5 | 15.7 | | 14.8 | | 12 | 126 | 62 | 5 | 125 | 79 |
| MALTA | | | | | | | | | | | | | | | | |
| 16597 LUQA | 3551N | 01429E | 91 | | 1007.6 | 1016.2 | 16.8 | -0.2 | 13.8 | -0.9 | 11 | 149 | 69 | 5 | 174 | 90 |
| GREECE | | | | | | | | | | | | | | | | |
| 16622 THESSALONIKI/MIKRA | 4031N | 02258E | 4 | | 1018.1 | 1018.7 | 11.2 | .3 | 9.6 | -0.8 | 4 | 36 | -21 | 2 | 139 | 119 |
| 16641 KERKYRA (AIRPORT) | 3937N | 01955E | 4 | | 1015.3 | 1015.8 | 14.7 | .5 | 12.1 | -0.6 | 10 | 140 | -40 | 3 | 105 | 79 |
| 16648 LARISSA (AIRPORT) | 3938N | 02225E | 74 | | 1009.0 | 1018.0 | 11.0 | .2 | 10.0 | -0.4 | 5 | 26 | -32 | 1 | 111 | 88 |
| 16716 ATHINAI (AIRPORT) | 3754N | 02344E | 15 | | 1015.4 | 1017.1 | 15.1 | -0.3 | 12.4 | .0 | 7 | 43 | -7 | 3 | 135 | 89 |
| 16726 KALAMATA (AIRPORT) | 3704N | 02201E | 8 | | 1015.3 | 1016.6 | 14.2 | -0.5 | 12.3 | -0.4 | 13 | 107 | -35 | 4 | 160 | 107 |
| 16746 SOUDA (AIRPORT) | 3529N | 02407E | 151 | | 998.7 | 1016.7 | 16.5 | .9 | 13.7 | .9 | 11 | 148 | 76 | 5 | 148 | 97 |
| 16754 HERAKLION (AIRPORT) | 3520N | 02511E | 39 | | 1012.1 | 1016.7 | 17.3 | .7 | 13.5 | .6 | 10 | 141 | 83 | 5 | 137 | 92 |
| TURKEY | | | | | | | | | | | | | | | | |
| 17022 ZONGULDAK | 4127N | 03148E | 137 | | 1001.9 | 1018.4 | 12.0 | .1 | 9.6 | .5 | 11 | 289 | 147 | 5 | 88 | 80 |
| 17030 SAMSUN | 4117N | 03618E | 4 | | 1018.1 | 1018.6 | 12.2 | -0.3 | 10.0 | -0.2 | 12 | 174 | 85 | 5 | 129 | 125 |
| 17034 GIRESUN | 4055N | 03823E | 37 | | 1013.2 | 1017.8 | 13.1 | .5 | 10.7 | .3 | 12 | 270 | 128 | 5 | | |
| 17040 RIZE | 4102N | 04031E | 9 | | 1016.5 | 1017.5 | 11.9 | .3 | 11.3 | .6 | 13 | 387 | 138 | 5 | 83 | 105 |
| 17050 EDIRNE | 4140N | 02634E | 51 | | 1012.3 | 1018.6 | 9.8 | .7 | 9.8 | .3 | 6 | 28 | -36 | 2 | 116 | 110 |
| 17062 ISTANBUL/GOZTEPE | 4058N | 02905E | 33 | | 1013.4 | 1017.4 | 12.1 | .5 | 10.5 | -0.3 | 9 | 81 | -7 | 3 | 104 | 85 |
| 17074 KASTAMONU | 4122N | 03347E | 800 | | 925.2 | 1019.6 | 5.0 | -0.2 | 6.4 | -0.5 | 7 | 33 | 4 | 4 | 117 | 105 |
| 17084 CORUM | 4033N | 03457E | 776 | | 928.2 | 1019.8 | 5.6 | -0.6 | 7.1 | .3 | 7 | 46 | 10 | 4 | 130 | 125 |
| 17090 SIVAS | 3945N | 03701E | 1285 | | 873.0 | 1020.0 | 4.3 | -0.3 | 6.2 | .1 | 8 | 72 | 34 | 5 | 124 | 100 |
| 17092 ERZINCAN | 3945N | 03930E | 1218 | | 880.3 | 1019.5 | 5.4 | .4 | 6.9 | .5 | 6 | 59 | 20 | 5 | 137 | 100 |
| 17096 ERZURUM | 3957N | 04110E | 1758 | | 824.3 | 1022.4 | -0.1 | -1.4 | 4.3 | -0.7 | 7 | 42 | 6 | 3 | 129 | 90 |
| 17098 KARS | 4037N | 04306E | 1775 | | 823.3 | 1022.2 | .6 | .2 | 5.0 | .0 | 7 | 67 | 42 | 6 | 128 | 95 |
| 17112 CANAKKALE | 4008N | 02624E | 6 | | 1017.5 | 1018.2 | 12.7 | .8 | 12.1 | .8 | 6 | 46 | -42 | 2 | 144 | 100 |
| 17116 BURSA | 4011N | 02904E | 100 | | 1006.6 | 1018.8 | 10.1 | -0.8 | 8.6 | -1.1 | 7 | 95 | 15 | 4 | 110 | 80 |
| 17130 ANKARA/CENTRAL | 3957N | 03253E | 891 | | 915.6 | 1019.1 | 7.2 | .1 | 7.1 | .0 | 4 | 35 | 2 | 4 | 133 | 90 |
| 17170 VAN | 3827N | 04319E | 1662 | | 832.6 | 1017.6 | 4.6 | .6 | 6.8 | 1.2 | 11 | 105 | 63 | 6 | 159 | 95 |
| 17188 USAK | 3841N | 02924E | 919 | | 911.4 | 1017.7 | 7.9 | .1 | 8.4 | .6 | 6 | 79 | 21 | 4 | | |
| 17190 AFYON | 3845N | 03032E | 1034 | | 899.8 | 1019.2 | 6.6 | -0.2 | 7.7 | .6 | 6 | 32 | 2 | 4 | 144 | 95 |
| 17199 MALATYA/BOLGE | 3821N | 03819E | 948 | | 909.9 | 1019.7 | 7.1 | | 8.0 | | 8 | 86 | | 5 | 129 | 80 |
| 17210 SIIRT | 3755N | 04157E | 896 | | 919.7 | 1023.3 | 9.7 | -0.4 | 9.8 | 2.3 | 11 | 213 | 132 | 6 | 129 | 80 |
| 17220 IZMIR/GUZELYALT | 3826N | 02710E | 29 | | 1013.4 | 1016.9 | 14.4 | .4 | 11.5 | .2 | 8 | 100 | 13 | 4 | 169 | 100 |
| 17240 ISPARTA | 3745N | 03033E | 997 | | 903.9 | 1018.7 | 7.6 | .2 | 7.5 | .4 | 5 | 44 | -2 | 3 | 138 | 85 |
| 17244 KONYA | 3758N | 03233E | 1031 | | 900.3 | 1019.5 | 5.8 | -0.4 | 6.0 | -1.0 | 7 | 51 | 19 | 4 | 157 | 105 |
| 17250 NIGDE | 3758N | 03441E | 1210 | | 880.9 | 1019.3 | 6.0 | .0 | 6.5 | .4 | 6 | 55 | 25 | 5 | 170 | 110 |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | ' | ' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 17255 KAHRAMANMARAS | 3736N | 03656E | 572 | | 950.5 | 1017.5 | 11.1 | - .5 | 9.3 | .8 | 12 | 263 | 186 | 6 | 110 | 75 |
| 17270 SANLIURFA | 3708N | 03846E | 549 | | 952.6 | 1016.5 | 11.7 | - .8 | 10.3 | 1.6 | 11 | 188 | 146 | 6 | 148 | 80 |
| 17280 DIYARBAKIR | 3753N | 04012E | 677 | | 939.6 | 1018.7 | 8.2 | -1.2 | 7.7 | - .5 | 10 | 123 | 71 | 6 | 145 | 85 |
| 17285 HAKKARI | 3734N | 04346E | 1728 | | 828.7 | 1020.5 | 4.0 | -1.1 | 6.4 | .8 | 12 | 109 | 13 | 4 | 131 | 90 |
| 17292 MUGLA | 3713N | 02822E | 646 | | 942.0 | 1017.4 | 10.4 | .0 | 10.0 | .7 | 12 | 207 | 72 | 4 | 143 | 90 |
| 17300 ANTALYA | 3642N | 03044E | 54 | | 1008.8 | 1014.9 | 15.2 | .4 | 10.5 | - .9 | 8 | 147 | -2 | 4 | 191 | 95 |
| 17340 MERSIN | 3648N | 03438E | 3 | | 1015.3 | 1015.7 | 17.0 | 2.0 | 12.1 | .1 | 8 | 84 | 9 | 3 | 182 | 105 |
| 17351 ADANA/BOLGE | 3659N | 03521E | 27 | | 1013.0 | 1016.3 | 15.7 | | 11.4 | | 8 | 141 | | 5 | 159 | 85 |
| CYPRUS | | | | | | | | | | | | | | | | |
| 17609 LARNACA AIRPORT | 3453N | 03338E | 2 | | 1015.6 | 1015.9 | 18.0 | 1.1 | 13.5 | | 7 | 41 | -2 | | 208 | 94 |
| RUSSIAN FEDERATION (EUROPE) | | | | | | | | | | | | | | | | |
| 22113 MURMANSK | 6858N | 03303E | 51 | | 994.0 | 1000.4 | -5.3 | - .3 | 3.7 | - .2 | 10 | 48 | 7 | 5 | | |
| 22165 KANIN NOS | 6839N | 04318E | 49 | | 991.9 | 998.0 | -1.5 | 1.0 | 4.7 | .2 | 18 | 51 | 6 | 4 | 0 | |
| 22550 ARHANGEL' SK | 6430N | 04044E | 8 | | 1003.1 | 1004.1 | -4.9 | - .3 | 4.2 | .0 | 14 | 57 | 3 | 4 | 11 | |
| 22837 VYTEGRA | 6101N | 03627E | 56 | | 1000.7 | 1007.8 | -2.8 | - .2 | 4.9 | .1 | 12 | 112 | 53 | 6 | 20 | 77 |
| 26063 ST. PETERBURG | 5958N | 03018E | 6 | | 1009.1 | 1009.8 | - .1 | - .2 | 5.6 | .0 | 11 | 44 | -11 | 3 | 31 | 115 |
| LATVIA | | | | | | | | | | | | | | | | |
| 26346 ALUKSNE | 5726N | 02702E | 193 | | 987.9 | 1012.8 | -1.3 | | 5.7 | | 14 | 58 | | | 26 | 95 |
| LITHUANIA | | | | | | | | | | | | | | | | |
| 26509 KLAJPEDA | 5544N | 02104E | 7 | | 1012.5 | 1013.4 | 3.5 | - .4 | 6.6 | - .5 | 12 | 79 | -11 | 3 | 67 | 168 |
| 26524 SIAULIAI | 5556N | 02319E | 107 | | 1000.2 | 1013.6 | .8 | -1.0 | 6.1 | - .3 | 8 | 39 | -19 | 1 | 46 | 110 |
| LATVIA | | | | | | | | | | | | | | | | |
| 26544 DAUGAVPILS | 5552N | 02637E | 122 | | 998.6 | 1014.1 | .0 | -1.0 | 5.9 | - .2 | 10 | 37 | -15 | | 39 | 118 |
| LITHUANIA | | | | | | | | | | | | | | | | |
| 26629 KAUNAS | 5453N | 02350E | 77 | | 1005.0 | 1014.8 | 1.4 | - .4 | 6.5 | .0 | 8 | 43 | -10 | | 44 | 107 |
| 26730 VILNIUS | 5438N | 02506E | 156 | | 995.4 | 1014.8 | .7 | - .5 | 6.0 | - .3 | 9 | 42 | -15 | | 42 | 127 |
| BELARUS | | | | | | | | | | | | | | | | |
| 26850 MINSK | 5356N | 02738E | 231 | | 987.9 | 1015.4 | .5 | - .3 | 5.8 | - .2 | 8 | 38 | -14 | 2 | 42 | 117 |
| RUSSIAN FEDERATION (EUROPE) | | | | | | | | | | | | | | | | |
| 27037 VOLOGDA | 5919N | 03955E | 130 | | 993.4 | 1009.9 | -3.4 | .0 | 4.7 | .1 | 8 | 30 | -13 | 2 | 38 | 119 |
| 27595 KAZAN' | 5536N | 04917E | 116 | | 999.2 | 1014.3 | -1.2 | 1.9 | 5.1 | .7 | 9 | 33 | -11 | 2 | 26 | 63 |
| 27612 MOSKVA | 5550N | 03737E | 156 | | 994.3 | 1013.9 | -1.6 | - .4 | 5.2 | .2 | 12 | 63 | 6 | | | |
| UKRAINE | | | | | | | | | | | | | | | | |
| 33275 SUMY | 5051N | 03440E | 181 | | 995.1 | 1017.8 | .7 | .1 | 5.9 | | 6 | 30 | -22 | 2 | | |
| 33301 RIVNE | 5035N | 02608E | 231 | | 989.1 | 1017.6 | 3.1 | 1.0 | 7.0 | | 13 | 63 | 27 | 5 | | |
| 33345 KYIV | 5024N | 03034E | 167 | | 996.8 | 1017.6 | 2.9 | .8 | 6.6 | .3 | 10 | 44 | -7 | 3 | | |
| 33377 LUBNY | 5000N | 03301E | 158 | | 998.1 | 1017.7 | 2.4 | 1.0 | 6.5 | | 12 | 41 | -12 | 2 | | |
| 33393 L'VIV | 4949N | 02357E | 323 | | 978.9 | 1018.4 | 3.5 | 1.0 | 6.9 | .4 | 17 | 96 | 50 | 6 | 31 | 55 |
| 33415 TERNOPIIL' | 4932N | 02540E | 329 | | 976.8 | 1017.1 | 3.2 | 1.4 | 6.8 | | 15 | 65 | 29 | 6 | | |
| 33429 KHMEL'NYTS' KYI | 4926N | 02659E | 350 | | 975.0 | 1017.9 | 3.1 | 1.1 | 6.9 | | 14 | 55 | 13 | 4 | | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 33506 POLTAVA | 4936N | 03433E | 160 | | 997.8 | 1017.8 | 2.5 | 1.0 | 6.5 | .3 | 8 | 36 | -13 | 2 | 70 | 119 |
| 33526 IVANO-FRANKIVS'K | 4858N | 02424E | 280 | | 983.5 | 1017.8 | 4.0 | 1.4 | 7.1 | | 7 | 41 | 4 | 3 | | |
| 33562 VINNYTSIA | 4914N | 02836E | 298 | | 981.0 | 1017.5 | 2.9 | 1.0 | 6.8 | .6 | 9 | 35 | -6 | 3 | 44 | 76 |
| 33587 UMAN' | 4846N | 03014E | 216 | | 991.4 | 1018.1 | 3.4 | 1.3 | 7.1 | .6 | 7 | 64 | 21 | 4 | | |
| 33631 UZHGOROD | 4838N | 02216E | 124 | | 1003.8 | 1018.3 | 5.1 | .5 | 7.2 | .2 | 8 | 65 | 7 | 4 | 61 | 97 |
| 33658 CHERNIVTSI | 4822N | 02554E | 246 | | 987.7 | 1018.0 | 4.1 | 1.2 | 7.0 | .5 | 11 | 48 | 12 | 4 | 52 | 76 |
| 33711 KIROVOHRAD | 4831N | 03212E | 171 | | 995.8 | 1018.0 | 3.1 | .8 | 7.1 | | 7 | 91 | 56 | 6 | | |
| 33777 VOZNESENS'K | 4734N | 03120E | 34 | | 1013.7 | 1017.9 | 5.3 | | 7.9 | | 3 | 65 | | 5 | | |
| 33791 KRYVYI RIH | 4802N | 03313E | 124 | | 1002.5 | 1018.0 | 3.7 | .8 | 7.3 | | 7 | 64 | 29 | 6 | 60 | 95 |
| REPUBLIC OF MOLDOVA | | | | | | | | | | | | | | | | |
| 33815 KISINEV | 4701N | 02859E | 173 | | 995.7 | 1017.8 | 5.2 | .8 | 7.4 | .4 | 6 | 72 | 32 | 5 | 64 | 85 |
| UKRAINE | | | | | | | | | | | | | | | | |
| 33837 ODESA | 4626N | 03046E | 42 | | 1012.7 | 1017.9 | 6.9 | 1.1 | 8.6 | .7 | 5 | 51 | 9 | 4 | 92 | 119 |
| 33889 IZMAIL | 4522N | 02851E | 30 | | 1014.2 | 1017.9 | 6.8 | 1.1 | 8.2 | .5 | 5 | 43 | 6 | 4 | 106 | 115 |
| 33902 KHERSON | 4638N | 03234E | 54 | | 1010.6 | 1017.3 | 5.5 | 1.1 | 8.2 | | 6 | 48 | 12 | 5 | 86 | 120 |
| 33915 ASKANIIA-NOVA | 4627N | 03353E | 30 | | 1014.3 | 1018.0 | 5.6 | 1.2 | 8.4 | .9 | 7 | 48 | 14 | 5 | 96 | 128 |
| 33946 SIMFEROPOL' | 4441N | 03408E | 181 | | 996.2 | 1018.3 | 6.8 | .5 | 8.5 | .5 | 9 | 62 | 18 | 5 | 131 | 115 |
| 33998 AI-PETRI | 4426N | 03405E | 1180 | | | | 3.2 | .6 | 5.4 | | 9 | 114 | 7 | 4 | 117 | 110 |
| RUSSIAN FEDERATION (EUROPE) | | | | | | | | | | | | | | | | |
| 34123 VORONEZ | 5142N | 03913E | 149 | | 998.8 | 1017.5 | .7 | | 5.5 | | 6 | 26 | | 2 | | |
| UKRAINE | | | | | | | | | | | | | | | | |
| 34300 KHARKIV | 4958N | 03608E | 155 | | 999.1 | 1018.5 | 1.9 | .6 | 6.2 | .1 | 5 | 37 | -7 | 4 | 88 | 187 |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 34398 ZHALPAKTAL | 4940N | 04929E | 10 | | 1016.7 | 1018.0 | .9 | 1.5 | 6.2 | 1.0 | 9 | 53 | 23 | | 79 | 114 |
| UKRAINE | | | | | | | | | | | | | | | | |
| 34415 IZIU | 4911N | 03718E | 78 | | 1008.7 | 1018.5 | 2.7 | | 6.7 | | 6 | 37 | | 2 | | |
| 34519 DONETS'K | 4804N | 03746E | 225 | | 990.6 | 1018.4 | 3.0 | 1.0 | 6.9 | | 9 | 43 | 1 | 4 | | |
| 34523 LUHANS'K | 4834N | 03915E | 62 | | 1011.0 | 1018.7 | 3.3 | .9 | 6.8 | | 9 | 44 | 2 | 4 | 82 | 155 |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 34691 NOVYJ USTOGAN | 4754N | 04848E | -10 | | 1019.8 | 1018.5 | 2.5 | | 6.3 | | 3 | 14 | | | | |
| UKRAINE | | | | | | | | | | | | | | | | |
| 34712 MARIUPOL' | 4702N | 03730E | 70 | | 1009.6 | 1018.3 | 4.7 | | 8.0 | | 7 | 62 | | 5 | | |
| RUSSIAN FEDERATION (EUROPE) | | | | | | | | | | | | | | | | |
| 34880 ASTRAHAN' | 4617N | 04803E | -23 | | 1021.6 | 1019.0 | 4.9 | 1.7 | 7.8 | 1.2 | 8 | 33 | 16 | 5 | | |
| AZERBAIJAN | | | | | | | | | | | | | | | | |
| 37661 SHAKI | 4113N | 04710E | 641 | | 940.5 | 1016.4 | 6.4 | -1.1 | 9.1 | 2.4 | 6 | 83 | 28 | | | |
| 37735 GYANCA | 4043N | 04625E | 311 | | 982.3 | 1019.7 | 9.7 | 1.4 | 9.5 | 2.0 | 5 | 20 | 6 | | 142 | |
| ARMENIA | | | | | | | | | | | | | | | | |

SURFACE

NOVEMBER 2004

| 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. |
| | | | | | mb | mb | °C | °C | mb | mb | mm | mm | mm | mm | hr | % |
| 37789 YEREVAN | 4008N | 04428E | 907 | | 891.9 | 1507 Y | 7.1 | .6 | 7.2 | .2 | 5 | 37 | 15 | 4 | 151 | 109 |
| AZERBAIJAN | | | | | | | | | | | | | | | | |
| 37860 MASHTAGA | 4032N | 05000E | 28 | | 1014.0 | 1017.4 | 11.8 | 2.0 | 11.7 | 3.2 | 3 | 58 | 22 | | 106 | 115 |
| 37989 ASTARA | 3827N | 04853E | -22 | | 1022.2 | 1019.5 | 13.4 | 2.7 | 13.6 | 3.0 | 10 | 362 | 195 | | 107 | 106 |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38178 AK-BAJTAL | 4309N | 06420E | 234 | | 992.6 | 1021.1 | 6.8 | 3.4 | 7.3 | 2.0 | 4 | 25 | 14 | 5 | | |
| ISRAEL | | | | | | | | | | | | | | | | |
| 40180 BEN-GURION INT. AIRPORT | 3200N | 03454E | 49 | | 1011.6 | 1015.6 | 19.9 | | 12.8 | | 0 | 0 | | 0 | | |
| 40199 EILAT | 2933N | 03457E | 12 | | 1015.2 | 1015.6 | 21.2 | .1 | 11.2 | | 0 | 0 | -4 | 3 | 228 | 85 |
| JORDAN | | | | | | | | | | | | | | | | |
| 40310 MA'AN | 3010N | 03547E | 1070 | | 895.4 | 1505 Y | 13.8 | .3 | 9.0 | .8 | 0 | T | -4 | 3 | 213 | 87 |
| ASIA | | | | | | | | | | | | | | | | |
| RUSSIAN FEDERATION (IN ASIA) | | | | | | | | | | | | | | | | |
| 20046 POLARGMO IM. E.T. KRENKELJA | 8037N | 05803E | 22 | | 998.8 | 1007.0 | -20.4 | -.8 | 1.2 | -.2 | 01 | 1 | -24 | | 0 | |
| 20069 OSTROV VIZE | 7930N | 07659E | 10 | | 1000.6 | 1002.0 | -21.0 | -.2 | 1.1 | -.2 | 3 | 8 | -5 | 2 | | |
| 20292 GMO IM.E.K. FEDOROVA | 7743N | 10418E | 15 | | 1003.1 | 1004.3 | -24.3 | -1.6 | .9 | -.1 | 1 | 4 | -9 | 1 | | |
| 20674 OSTROV DIKSON | 7330N | 08024E | 47 | | 992.8 | 999.0 | -15.8 | 3.1 | 1.7 | .2 | 11 | 29 | 7 | 4 | | |
| 20891 HATANGA | 7159N | 10228E | 33 | | 1000.2 | 1004.7 | -22.4 | 4.0 | 1.0 | .2 | 5 | 18 | -2 | 3 | 5 | |
| 21432 OSTROV KOTEL'NYJ | 7600N | 13552E | 9 | | 1006.9 | 1009.0 | -22.8 | .4 | .9 | .0 | 1 | 2 | -7 | | | |
| 21946 CHOKURDAH | 7037N | 14753E | 61 | | 1003.1 | 1011.6 | -25.7 | 1.2 | .7 | .0 | 4 | 10 | -7 | | 15 | |
| 23205 NAR'JAN-MAR | 6738N | 05302E | 12 | | 999.0 | 1000.5 | -8.6 | 1.1 | 3.2 | .1 | 12 | 34 | -3 | 3 | 9 | |
| 23330 SALEHARD | 6632N | 06640E | 16 | | 1001.1 | 1003.4 | -11.1 | 4.4 | 2.7 | .7 | 7 | 21 | -6 | | 14 | |
| 23472 TURUHANSK | 6547N | 08756E | 38 | | 1003.9 | 1008.9 | -11.2 | 7.4 | 2.8 | 1.2 | 19 | 90 | 44 | 6 | 19 | |
| 23552 TARKO-SALE | 6455N | 07749E | 27 | | 1002.8 | 1006.3 | -9.8 | 6.4 | 3.0 | 1.0 | 18 | 71 | 32 | | 8 | |
| 23724 NJAKSIMVOL' | 6226N | 06052E | 51 | | 1001.1 | 1007.7 | -8.6 | 2.6 | 3.3 | .7 | 8 | 31 | -9 | | 37 | |
| 23884 BOR | 6136N | 09001E | 58 | | 1007.8 | 1015.2 | -7.3 | 7.3 | 3.5 | 1.3 | 21 | 58 | -1 | 3 | 9 | 28 |
| 23933 HANTY-MANSIJSK | 6101N | 06902E | 46 | | 1003.9 | 1009.9 | -5.4 | 5.2 | 3.9 | 1.0 | 15 | 51 | 10 | | 22 | 50 |
| 24125 OLENEK | 6830N | 11226E | 220 | | 978.8 | 1008.5 | -22.3 | 6.2 | 1.1 | .5 | 13 | 29 | 11 | | 0 | |
| 24143 DZARDZAN | 6844N | 12400E | 39 | | 1005.1 | 1010.5 | -23.2 | 7.0 | 1.0 | .5 | 16 | 43 | 24 | | | |
| 24266 VERHOJANSK | 6733N | 13323E | 137 | | 995.3 | 1014.9 | -32.7 | 4.0 | .4 | .1 | 3 | 9 | -1 | | 40 | |
| 24507 TURA | 6416N | 10014E | 168 | | 990.7 | 1015.2 | -16.0 | 9.0 | 1.9 | .9 | 3 | 9 | -17 | 1 | | |
| 24641 VILJUJSK | 6346N | 12137E | 111 | | 998.3 | 1013.3 | -19.5 | 7.7 | 1.5 | .7 | 7 | 38 | 20 | | 29 | |
| 24688 OJMJAKON | 6315N | 14309E | 741 | | 922.1 | 1025.6 | -36.8 | .4 | .3 | .0 | 3 | 7 | -4 | | 94 | |
| 24738 SUNTAR | 6209N | 11739E | 133 | | 996.6 | 1015.4 | -15.6 | 8.1 | .2 | -.9 | 7 | 19 | 1 | | 63 | |
| 24817 ERBOGACEN | 6116N | 10801E | 291 | | 980.4 | 1019.2 | -16.9 | 4.2 | 2.0 | .7 | 7 | 20 | -5 | | 91 | 157 |
| 24959 JAKUTSK | 6201N | 12943E | 101 | | 1000.8 | 1014.7 | -22.6 | 6.6 | 1.0 | .4 | 10 | 42 | 27 | | 59 | |
| 25173 MYS SHMIDTA | 6854N | 17922W | 4 | | 1004.4 | 1004.9 | -12.8 | 3.8 | 2.3 | .6 | 16 | 53 | 4 | | | |
| 25248 ILIRNEJ | 6715N | 16758E | 353 | | 963.4 | 1012.0 | -28.0 | .4 | .5 | -.2 | 10 | 27 | 6 | | | |
| 25325 UST'-OLOJ | 6633N | 15925E | 127 | | 996.0 | 1013.8 | -26.1 | 1.8 | .6 | -.1 | 7 | 23 | 1 | | | |
| 25399 MYS UELEN | 6610N | 16950W | 3 | | 998.4 | 999.2 | -6.1 | 3.1 | 3.6 | .7 | 5 | 25 | -18 | | 9 | |
| 25400 ZYRJANKA | 6544N | 15054E | 43 | | 1007.9 | 1014.0 | -27.7 | .6 | .7 | .1 | 5 | 11 | -10 | | 56 | |
| 25563 ANADYR' | 6447N | 17734E | 61 | | 994.4 | 1002.4 | -14.3 | .9 | 2.1 | .1 | 6 | 39 | 12 | | 69 | |

SURFACE

NOVEMBER 2004

| 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. |
| | | | | | | | | | | | | | | | | |
| 25744 KAMENSKOE | 6226N | 16605E | 10 | | 1000.0 | 1003.2 | -16.3 | 1.8 | 1.5 | -.1 | 8 | 25 | -10 | | 56 | |
| 25954 KORF | 6021N | 16600E | 4 | | 1001.9 | 1002.4 | -11.2 | -1.6 | 2.1 | -.5 | 4 | 15 | -30 | 1 | 88 | 122 |
| 28224 PERM' | 5801N | 05618E | 171 | | 990.8 | 1012.4 | -3.8 | | 4.3 | | 15 | 68 | | | 19 | 10 |
| 28275 TOBOL'SK | 5809N | 06815E | 50 | | 1006.7 | 1012.8 | -3.7 | 4.6 | 4.3 | 1.1 | 14 | 40 | 5 | | 44 | 73 |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 28679 PETROPAVLOVSK | 5450N | 06909E | 142 | | 999.4 | 1017.5 | -3.2 | 4.1 | 4.5 | 1.1 | 8 | 36 | 10 | 5 | 29 | 39 |
| RUSSIAN FEDERATION (IN ASIA) | | | | | | | | | | | | | | | | |
| 28698 OMSK | 5501N | 07323E | 122 | | 1002.8 | 1018.5 | -3.2 | 4.3 | 4.4 | 1.1 | 9 | 38 | 10 | | 46 | 65 |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 28766 BLACOVESCHENSKA | 5422N | 06658E | 151 | | 998.2 | 1017.3 | -3.1 | | 4.2 | | 10 | 33 | | 5 | | |
| 28879 KOKSHETAY | 5317N | 06923E | 229 | | 990.5 | 1019.5 | -2.2 | 3.9 | 4.4 | 1.0 | 5 | 18 | | 4 | 70 | 80 |
| 28952 KUSTANAI | 5313N | 06337E | 156 | | 999.2 | 1018.5 | -1.7 | 3.8 | 4.8 | 1.1 | 7 | 29 | 5 | | 85 | 94 |
| 28966 RUZAEVKA | 5249N | 06658E | 227 | | 990.8 | 1019.6 | -2.8 | | 4.3 | | 9 | 44 | | | | |
| RUSSIAN FEDERATION (IN ASIA) | | | | | | | | | | | | | | | | |
| 29231 KOLPASEVO | 5819N | 08257E | 75 | | 1007.1 | 1016.8 | -4.3 | 6.2 | 3.9 | 1.1 | 11 | 26 | -9 | | 48 | 86 |
| 29263 ENISEJSK | 5827N | 09209E | 79 | | 1010.1 | 1020.3 | -6.0 | 5.1 | 3.3 | .8 | 9 | 28 | -17 | 1 | 45 | 102 |
| 29282 BOGUCANY | 5823N | 09727E | 133 | | 1003.8 | 1021.1 | -6.6 | 5.5 | 3.0 | .8 | 9 | 19 | -6 | 3 | 51 | 119 |
| 29570 KRASNOJARSK OPYTNOE POLE | 5602N | 09245E | 276 | | 987.6 | 1022.7 | -2.9 | | 3.5 | | 7 | 23 | | 1 | | |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 29807 IRTYSHSK | 5321N | 07527E | 94 | | 1009.1 | 1021.0 | -2.3 | 4.8 | 4.2 | .9 | 7 | 20 | -1 | | | |
| RUSSIAN FEDERATION (IN ASIA) | | | | | | | | | | | | | | | | |
| 29866 MINUSINSK | 5342N | 09142E | 254 | | 993.4 | 1026.0 | -5.0 | 2.9 | 3.2 | .4 | | 6 | -6 | 1 | 117 | 213 |
| 30230 KIRENSK | 5746N | 10804E | 259 | | 989.7 | 1023.6 | -10.8 | 5.0 | 2.5 | .6 | 4 | 16 | -11 | | 78 | 139 |
| 30309 BRATSK | 5617N | 10145E | 416 | | 970.5 | 1023.2 | -5.1 | 4.5 | 3.3 | .6 | 8 | 18 | -3 | | 67 | 120 |
| 30554 BAGDARIN | 5428N | 11335E | 903 | | 910.5 | 1025.7 | -16.3 | 1.8 | 1.5 | .3 | 2 | 7 | 2 | 4 | | |
| 30673 MOGOCA | 5345N | 11944E | 625 | | 941.0 | 1021.4 | -14.6 | 4.2 | 1.8 | .6 | 4 | 11 | 3 | 4 | 156 | 117 |
| 30710 IRKUTSK | 5216N | 10419E | 469 | | 966.6 | 1026.0 | -5.9 | 2.5 | 3.1 | .3 | 5 | 10 | -8 | | 113 | 122 |
| 30758 CHITA | 5205N | 11329E | 671 | | 939.1 | 1023.8 | -9.8 | 4.0 | 2.0 | .3 | 0 | T | -5 | 1 | 145 | 108 |
| 31004 ALDAN | 5837N | 12522E | 79 | | | 1017.2 | -12.8 | 6.3 | 1.9 | .6 | 20 | 63 | 26 | | 45 | 62 |
| 31088 OHOTSK | 5922N | 14312E | 6 | | 1007.4 | 1008.1 | -14.4 | .2 | 1.7 | .3 | 6 | 29 | 5 | 4 | 123 | 115 |
| 31168 AJAN | 5627N | 13809E | 8 | | 1009.5 | 1010.6 | -6.9 | 3.8 | 2.6 | 1.0 | 3 | 160 | 126 | | 100 | 94 |
| 31253 BOMNAK | 5443N | 12856E | 357 | | 969.9 | 1018.2 | -14.1 | 5.9 | 1.7 | .3 | 6 | 20 | 1 | 2 | 101 | 93 |
| 31369 NIKOLAEVSK-NA-AMURE | 5309N | 14042E | 68 | | 1003.0 | 1011.7 | -7.1 | 3.2 | 3.2 | .9 | 10 | 35 | -15 | | | |
| 31416 IM POLINY OSIPENKO | 5225N | 13630E | 73 | | 1004.2 | 1013.6 | -8.8 | 4.8 | 2.8 | 1.0 | 8 | 29 | 10 | | 120 | 90 |
| 31960 VLADIVOSTOK | 4307N | 13154E | 183 | | 996.8 | 1020.2 | 2.4 | 3.7 | 5.0 | .9 | 6 | 97 | 59 | | 145 | 86 |
| 32150 JUZHNO-SAHALINSK | 4657N | 14243E | 24 | | 1010.7 | 1013.7 | .9 | 2.9 | 5.3 | .9 | 8 | 73 | -8 | 2 | 123 | 106 |
| 32618 NIKOL'SKOE | 5512N | 16559E | 18 | | 998.5 | 1000.9 | .1 | -3 | 5.0 | -.2 | 12 | 74 | -1 | 3 | 51 | 88 |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 35067 ESIL' | 5153N | 06620E | 221 | | 992.6 | 1020.4 | -1.9 | | 4.9 | | 7 | 28 | | 5 | | |
| 35078 ATBASAR | 5149N | 06822E | 304 | | 983.0 | 1021.3 | -2.4 | 4.5 | 4.7 | 1.3 | 7 | 25 | 2 | 4 | 105 | 113 |
| 35108 URALSK | 5115N | 05117E | 37 | | | | .2 | 2.3 | 6.0 | 1.2 | 9 | 62 | 27 | 1 | 40 | 63 |
| 35188 AKMOLA | 5108N | 07122E | 350 | | 978.9 | 1022.6 | -1.4 | 4.5 | 4.7 | 1.2 | 7 | 28 | 7 | 5 | 85 | 85 |

SURFACE

NOVEMBER 2004

| 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. |
| | O' | O' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 35217 DZHAMBETY | 5015N | 05234E | 32 | | 1012.8 | 1016.8 | 1.1 | | 5.8 | | 7 | 31 | | | | |
| 35229 AKTJUBINSK | 5017N | 05709E | 219 | | 991.3 | 1018.8 | - .6 | 2.4 | 5.7 | 1.4 | 9 | 28 | | 2 | 5 | |
| 35376 BERLIK | 4953N | 06931E | 349 | | 978.8 | 1022.4 | -3.5 | | 4.8 | | 9 | 27 | | | | 105 |
| 35394 KARAGANDA | 4948N | 07309E | 553 | | 956.0 | 1024.9 | -2.2 | 2.9 | 4.4 | .9 | 12 | 45 | 18 | | | 90 |
| 35406 TAIPAK | 4903N | 05152E | 2 | | 1017.7 | 1017.9 | .7 | .9 | 5.8 | .6 | 4 | 38 | 16 | 0 | | 98 |
| 35416 ULL | 4904N | 05441E | 128 | | 1007.6 | | 1.7 | 2.7 | 6.0 | 1.2 | 5 | 18 | -8 | 0 | | |
| 35426 TEMIR | 4909N | 05707E | 234 | | 990.6 | 1019.8 | .8 | | 5.6 | | 7 | 30 | | 5 | | |
| 35746 ARALSKOE MORE | 4647N | 06139E | 62 | | 1012.9 | 1020.9 | 3.1 | 3.4 | 5.9 | 1.1 | 3 | 19 | 5 | 5 | | |
| 35796 BALHASH | 4648N | 07505E | 350 | | 982.2 | 1026.0 | .1 | 2.5 | 5.2 | 1.1 | 6 | 35 | 22 | 5 | 109 | 72 |
| 35849 KAZALINSK | 4546N | 06207E | 68 | | 1012.5 | 1021.0 | 3.8 | 3.4 | 5.9 | 1.1 | 3 | 6 | -8 | 3 | | |
| 35925 SAM | 4524N | 05607E | 88 | | 1009.2 | 1020.3 | 3.1 | 1.2 | 6.3 | .7 | 4 | 34 | 23 | | | |
| 35953 DZHUSALY | 4530N | 06405E | 103 | | 1008.1 | 1020.7 | 3.5 | | 5.9 | | 3 | 6 | | 4 | | |
| 36003 PAVLODAR | 5218N | 07656E | 122 | | 1007.0 | 1022.6 | -1.6 | | 4.4 | | 6 | 22 | | 0 | | |
| 36177 SEMIPALATINSK | 5025N | 08018E | 196 | | 1001.5 | 1026.4 | -1.7 | 3.2 | 4.4 | .9 | 8 | 53 | 27 | 5 | 100 | 90 |
| 36208 LENINOGORSK | 5020N | 08333E | 811 | | 928.1 | 1027.8 | -4.3 | 1.4 | 3.2 | .2 | 11 | 60 | 16 | 5 | | |
| 36428 BOL'SHE NARYMSKOE | 4912N | 08431E | 401 | | 978.7 | 1029.5 | -3.4 | | 3.8 | | 5 | 15 | | | 107 | 95 |
| 36535 KOKPEKTY | 4845N | 08222E | 512 | | | | -5.8 | 2.5 | 3.5 | .6 | 6 | 11 | -27 | | | |
| 36859 ZHARKENT | 4410N | 08004E | 645 | | 948.0 | 1025.2 | 5.3 | 3.4 | 5.8 | .8 | 11 | 41 | 25 | | 162 | 93 |
| 36870 ALMATY | 4314N | 07656E | 851 | | 923.9 | 1023.7 | 5.8 | 4.1 | 6.7 | 1.6 | | 87 | 32 | 5 | 107 | 84 |
| 38062 KYZYLORDA | 4451N | 06530E | 130 | | 1005.2 | 1021.1 | 4.7 | 3.6 | 6.1 | 1.0 | 2 | 9 | -6 | 3 | | |
| 38069 CILILI | 4410N | 06645E | 153 | | 1003.0 | 1021.9 | 5.5 | | 6.2 | | 2 | 11 | | | | |
| 38198 TURKESTAN | 4316N | 06813E | 207 | | 996.5 | 1022.0 | 7.9 | 4.0 | 7.8 | 2.3 | 5 | 27 | 5 | | | |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38262 CHIMBAJ | 4257N | 05949E | 66 | | 1012.3 | 1020.4 | 6.6 | 3.1 | 6.7 | 1.3 | 2 | 7 | -4 | 3 | 162 | 108 |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 38328 SHYMKENT | 4219N | 06942E | 604 | | 950.2 | 1021.3 | 10.0 | | 8.6 | | 8 | 78 | | 4 | 90 | |
| 38334 AUL TYRARA RYSKULOVA | 4229N | 07018E | 808 | | 927.2 | | 9.0 | | 7.4 | | 9 | 84 | | 3 | | |
| 38341 ZHAMBYL | 4251N | 07123E | 651 | | 945.1 | 1022.3 | 7.6 | | 7.5 | | 9 | 30 | | 3 | | |
| 38343 KOULAN | 4257N | 07245E | 683 | | 941.7 | 1022.8 | 6.1 | | 6.9 | | 7 | 26 | | 2 | | |
| TURKMENISTAN | | | | | | | | | | | | | | | | |
| 38388 EKEZHE | 4102N | 05746E | 62 | | 1013.8 | 1020.6 | 7.9 | | 7.6 | | 7 | 10 | | | 148 | |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38396 URGENCH | 4134N | 06034E | 101 | | 1008.5 | 1020.9 | 7.5 | | 7.2 | | 3 | 28 | | 6 | | |
| 38403 BUZAUBAJ | 4145N | 06228E | 98 | | 1009.8 | 1021.5 | 7.3 | | 5.7 | | 6 | 30 | | 6 | | |
| 38413 TAMDY | 4144N | 06437E | 237 | | 992.6 | 1021.6 | 9.2 | 3.4 | 6.9 | 1.4 | 4 | 23 | 14 | 5 | 167 | 102 |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 38439 CARDARA | 4122N | 06800E | 275 | | 988.3 | 1021.4 | 10.0 | | 8.9 | | 5 | 57 | | | | |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38457 TASHKENT | 4116N | 06916E | 488 | | 963.3 | 1020.8 | 11.7 | 3.9 | 9.1 | 2.5 | 8 | 65 | 20 | 4 | 103 | 69 |
| TURKMENISTAN | | | | | | | | | | | | | | | | |
| 38507 TURKMENBASHI | 4003N | 05300E | -13 | | | 1019.2 | 11.3 | 2.0 | 9.3 | 1.3 | 9 | 20 | 4 | | 153 | 95 |
| 38511 CHAGYL | 4047N | 05520E | 115 | | 1006.1 | 1020.2 | 8.6 | | 8.9 | | 6 | 34 | | | | |

SURFACE

NOVEMBER 2004

| 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. |
| | ' | ' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 38545 DARGANATA | 4028N | 06217E | 142 | | 1003.2 | 1019.9 | 9.3 | | 6.9 | | 4 | 15 | | | | |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38611 NAMANGAN | 4059N | 07135E | 474 | | 966.3 | 1022.9 | 10.1 | | 10.1 | | 6 | 35 | | 5 | 130 | 85 |
| 38618 FERGANA | 4022N | 07145E | 577 | | 952.8 | 1020.9 | 10.0 | 3.5 | 9.7 | 2.6 | 5 | 14 | 0 | 3 | 192 | 128 |
| TURKMENISTAN | | | | | | | | | | | | | | | | |
| 38634 NEBITDAG | 3930N | 05420E | -08 | | 1019.6 | 1018.7 | 13.1 | 2.0 | 10.3 | 2.4 | 4 | 17 | | 3 | | |
| 38656 ERBENT | 3919N | 05836E | 87 | | 1009.2 | 1020.0 | 10.6 | 2.1 | 8.0 | 1.6 | 6 | 18 | | 8 | | |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38683 BUHARA | 3943N | 06437E | 226 | | 992.3 | 1019.4 | 11.1 | | 8.2 | | 5 | 27 | | 5 | | |
| TURKMENISTAN | | | | | | | | | | | | | | | | |
| 38684 DJACHEV | 3919N | 06312E | 182 | | 1000.1 | 1022.2 | 11.6 | | 1.0 | | 3 | 24 | | | | |
| 38687 CHARDZHEV | 3905N | 06336E | 190 | | 997.4 | 1020.7 | 11.2 | 3.1 | 9.0 | 2.2 | 6 | 30 | 20 | | 175 | 91 |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38696 SAMARKAND | 3934N | 06657E | 724 | | 935.3 | 1019.1 | 11.2 | 3.7 | 9.3 | 2.7 | 10 | 119 | 91 | 6 | 130 | 75 |
| TURKMENISTAN | | | | | | | | | | | | | | | | |
| 38750 ESENGYLY | 3728N | 05338E | -22 | | 1021.0 | 1018.2 | 13.8 | 2.4 | 11.9 | 1.7 | 5 | 32 | 8 | | | |
| 38755 BYGDAILI | 3832N | 05418E | -01 | | 1017.1 | 1017.1 | 13.0 | | 19.0 | | 1 | 4 | | | | |
| 38763 GYZYLARBAT | 3859N | 05617E | 92 | | 1008.7 | 1019.1 | 11.7 | 2.9 | 10.7 | 3.0 | 4 | 29 | 11 | | 118 | 68 |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38812 KARSHI | 3848N | 06543E | 376 | | 975.0 | 1019.5 | 12.7 | | 10.1 | | 5 | 33 | | 4 | | |
| TURKMENISTAN | | | | | | | | | | | | | | | | |
| 38895 BAJRAMALY | 3736N | 06211E | 240 | | 992.1 | 1021.4 | 12.8 | 3.1 | 9.1 | 2.9 | 4 | 11 | -3 | | 145 | 78 |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38927 TERMEZ | 3714N | 06716E | 310 | | 983.5 | 1020.3 | 13.4 | 3.4 | 10.3 | 2.8 | 5 | 22 | 13 | 5 | 196 | 101 |
| TURKMENISTAN | | | | | | | | | | | | | | | | |
| 38974 SARAGT | 3632N | 06113E | 275 | | 986.4 | 1019.2 | 14.0 | 3.1 | 9.0 | 2.4 | 4 | 28 | 16 | | | |
| SAUDI ARABIA | | | | | | | | | | | | | | | | |
| 40356 TURAIF | 3141N | 03844E | 852 | | 919.2 | 1504 Y | 13.8 | | 10.2 | | 2 | 11 | | | 219 | |
| 40357 ARAR | 3054N | 04108E | 549 | | 952.3 | 1016.9 | 16.0 | | 13.0 | | 3 | 7 | | | | |
| 40361 AL-JOUF | 2947N | 04006E | 689 | | 940.0 | 1016.1 | 16.8 | | 9.4 | | 1 | 5 | | | | |
| 40362 RAFHA | 2937N | 04329E | 444 | | 964.8 | 1016.3 | 17.7 | | 12.2 | | 3 | 13 | | | 166 | |
| 40373 AL QAYSUMAH | 2819N | 04607E | 360 | | 974.1 | 1014.6 | 19.9 | | 7.8 | | 1 | 4 | | | | |
| 40394 HAIL | 2726N | 04141E | 1013 | | 904.4 | 1526 Y | 17.7 | | 9.8 | | 10 | 36 | | | 224 | |
| 40400 WEJH | 2612N | 03628E | 21 | | 1010.5 | 1013.2 | 24.6 | | 19.3 | | 0 | 0 | | | 279 | |
| 40410 KHAYBER | 2540N | 03918E | 754 | | 928.9 | 1011.6 | 25.3 | | 8.9 | | 0 | 0 | | | | |
| 40416 DHAHRAN | 2616N | 05009E | 17 | | 1012.8 | 1014.7 | 23.9 | 1.6 | 16.9 | 3.8 | 0 | 9999 | -005 | | | |
| 40417 KING FAHAD INT. AIRPORT | 2627N | 04949E | 12 | | 1014.6 | 1016.1 | 23.3 | | 13.9 | | 1 | 1 | | | | |
| 40420 AL AHSA | 2518N | 04929E | 178 | | 995.7 | 1016.2 | 23.0 | | 13.2 | | 2 | 4 | | | | |

SURFACE

NOVEMBER 2004

| 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. |
| | | | | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 40430 MADINAH | 2433N | 03942E | 636 | | 941.7 | 1012.0 | 24.8 | 1.4 | 10.0 | 2.7 | | 2 | -7 | 225 | | |
| 40437 KING KHALED INT. AIRPORT | 2456N | 04643E | 612 | | 947.2 | 1016.1 | 21.4 | | 8.7 | | 2 | 34 | | 231 | | |
| 40438 RIYADH | 2443N | 04644E | 620 | | 947.2 | 1016.8 | 22.5 | 1.8 | 8.7 | .5 | 2 | 7 | 2 | 246 | | |
| 40439 YENBO | 2409N | 03804E | 10 | | 1011.1 | 1012.3 | 27.7 | | 23.5 | | 01 | 1 | | | | |
| IRAN, ISLAMIC REPUBLIC OF | | | | | | | | | | | | | | | | |
| 40706 TABRIZ | 3805N | 04617E | 1361 | | 866.2 | 1019.7 | 7.6 | 1.1 | 7.4 | 1.3 | 8 | 31 | 3 | 142 | 82 | |
| 40712 ORUMIEH | 3732N | 04505E | 1312 | | 869.1 | 1018.1 | 6.4 | .3 | 7.5 | 1.0 | 10 | 50 | 13 | 141 | 85 | |
| 40718 ANZALI | 3728N | 04928E | -23 | | 1021.9 | 1018.8 | 14.9 | 1.4 | 14.4 | .7 | 13 | 411 | 145 | 108 | 107 | |
| 40754 TEHRAN-MEHRABAD | 3541N | 05121E | 1191 | | 883.9 | 1016.5 | 13.2 | 2.1 | 8.1 | 2.1 | 11 | 43 | 23 | 188 | 93 | |
| 40766 KERMANSHAH | 3416N | 04707E | 1322 | | 872.1 | 1019.7 | 9.6 | .7 | 8.0 | 1.5 | 10 | 65 | 11 | 171 | 91 | |
| 40800 ESFAHAN | 3238N | 05143E | 1550 | | 853.0 | 1017.1 | 11.4 | 1.5 | 6.5 | .9 | 3 | 18 | 9 | 228 | 101 | |
| 40831 ABADAN | 3022N | 04815E | 11 | | 1016.7 | 1017.5 | 20.5 | 1.0 | 14.4 | 1.8 | 4 | 14 | -6 | 199 | 99 | |
| 40841 KERMAN | 3015N | 05658E | 1754 | | 828.3 | 1016.7 | 12.3 | 1.5 | 5.4 | 1.0 | 2 | 7 | 2 | 245 | 103 | |
| 40848 SHIRAZ | 2932N | 05235E | 1491 | | 855.1 | 1017.6 | 13.6 | 1.9 | 8.3 | 2.1 | 5 | 29 | 9 | 218 | 92 | |
| SAUDI ARABIA | | | | | | | | | | | | | | | | |
| 41024 JEDDAH (KING ABDUL AZIZ INT.) | 2142N | 03911E | 17 | | 1010.3 | 1012.1 | 28.2 | 1.2 | 25.8 | 3.6 | 0 | | | 239 | | |
| 41030 MAKKAH | 2126N | 03946E | 240 | | 983.9 | 1010.7 | 28.6 | | 22.0 | | | | | | | |
| 41036 TAIIF | 2129N | 04033E | 1454 | | 856.8 | 1516 Y | 19.8 | 1.2 | 12.3 | 3.3 | 7 | 21 | 0 | 249 | | |
| 41061 WADI AL DAWASSER AIRPORT | 2030N | 04512E | 622 | | 944.6 | 1014.0 | 22.8 | | 9.0 | | 0 | 0 | | 283 | | |
| 41084 BISHA | 1959N | 04237E | 1163 | | 886.6 | 1011.5 | 22.2 | | 8.1 | | 0 | 0 | | 255 | | |
| 41112 ABHA | 1814N | 04239E | 2093 | | 795.8 | 1524 Y | 17.0 | | 11.7 | | | | | 266 | | |
| 41114 KHAMIS MUSHAIT | 1818N | 04248E | 2056 | | 799.1 | 1522 Y | 17.7 | | 11.4 | | 1 | 2 | | 281 | | |
| 41128 NAJRAN | 1737N | 04425E | 1210 | | 882.5 | 1532 Y | 20.8 | | 9.8 | | 0 | 0 | | | | |
| 41136 SHARURAH | 1728N | 04707E | 725 | | 933.5 | 1013.4 | 24.0 | | 10.0 | | 0 | 0 | | 275 | | |
| 41140 GIZAN | 1654N | 04235E | 7 | | 1010.5 | 1011.3 | 28.9 | | 28.9 | | 0 | 0 | | | | |
| BAHRAIN | | | | | | | | | | | | | | | | |
| 41150 BAHRAIN (INT. AIRPORT) | 2616N | 05039E | 2 | | 1015.9 | 1016.1 | 25.5 | 1.0 | 20.9 | -.7 | 0 | 0 | -3 | 2 | 90 | |
| UNITED ARAB EMIRATES | | | | | | | | | | | | | | | | |
| 41217 ABU DHABI INTER. AIRPORT | 2426N | 05439E | 27 | | 1013.6 | 1016.4 | 25.8 | 1.8 | 20.1 | 1.2 | 0 | 0 | -1 | 4 | 286 | 97 |
| OMAN | | | | | | | | | | | | | | | | |
| 41256 SEEB, INTERNATIONAL AIRPORT | 2335N | 05817E | 8 | | 1014.4 | 1015.4 | 25.6 | | 20.1 | | 0 | 0 | | 5 | 188 | |
| 41268 SUR | 2232N | 05929E | 14 | | 1014.1 | 1015.8 | 25.9 | | 18.8 | | 0 | 0 | | 5 | 299 | |
| 41288 MASIRAH | 2040N | 05854E | 19 | | 1013.7 | 1016.0 | 26.6 | | 23.9 | | 0 | 0 | | 5 | 150 | |
| 41314 THUMRAIT | 1740N | 05402E | 467 | | 964.3 | 1017.8 | 24.6 | | 11.5 | | 0 | 0 | | 5 | | |
| 41316 SALALAH | 1702N | 05405E | 20 | | 1011.9 | 1014.5 | 26.8 | | 18.8 | | 0 | 0 | | 278 | | |
| PAKISTAN | | | | | | | | | | | | | | | | |
| 41515 DROSH | 3534N | 07147E | 1465 | | | 1539 Y | 13.4 | .8 | 5.2 | | 2 | 22 | -3 | 0 | | |
| 41530 PESHAWAR | 3401N | 07135E | 360 | | 975.0 | 1016.4 | 18.5 | .9 | 13.1 | | 1 | 15 | 3 | 4 | | |
| 41560 PARACHINAR | 3352N | 07005E | 1725 | | 831.0 | 1537 Y | 12.6 | 1.1 | 6.2 | | 2 | 10 | -7 | 3 | | |
| 41571 ISLAMABAD AIRPORT | 3337N | 07306E | 508 | | 957.6 | 1016.0 | 17.0 | .5 | 11.3 | | 1 | 22 | 5 | 0 | | |
| 41594 SARGODHA | 3203N | 07240E | 188 | | 994.3 | 1016.0 | 19.7 | | 15.9 | | 0 | 0 | | 0 | | |
| 41598 JHELUM | 3256N | 07343E | 234 | | 988.2 | 1015.9 | 19.2 | .5 | 14.4 | | 1 | 15 | 6 | 4 | | |
| 41600 STALKOT | 3230N | 07432E | 256 | | 985.9 | 1015.5 | 18.4 | .6 | 15.5 | | 0 | 0 | -9 | 3 | | |

SURFACE

NOVEMBER 2004

| 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. |
| | | | | | mb | mb | °C | °C | mb | mb | mm | mm | mm | mm | hr | |
| 41620 ZHOB | 3121N | 06928E | 1407 | | 860.9 | 1517 Y | 14.1 | .5 | 6.5 | | 2 | 8 | 5 | 4 | | |
| 41624 DERA ISMAIL KHAN | 3149N | 07055E | 173 | | 978.2 | 1015.8 | 19.7 | .6 | 14.8 | | 0 | 0 | -2 | 3 | | |
| 41640 LAHORE CITY | 3133N | 07420E | 215 | | 990.4 | 1015.2 | 20.9 | 1.4 | 15.3 | | 1 | 4 | 0 | 4 | | |
| 41660 QUETTA AIRPORT | 3015N | 06653E | 1587 | | 845.4 | 1545 Y | 12.8 | 3.6 | 7.0 | | 1 | 2 | -3 | 4 | | |
| 41675 MULTAN | 3012N | 07126E | 123 | | 1001.2 | 1015.8 | 20.3 | .6 | 14.3 | | 0 | 0 | -2 | 4 | | |
| 41685 BAR KHAN | 2953N | 06943E | 1097 | | | 1517 Y | 17.3 | .0 | 6.3 | | 1 | 13 | 8 | 0 | | |
| 41710 NOKKUNDI | 2849N | 06245E | 683 | | 934.8 | 1013.7 | 21.2 | 2.8 | 7.4 | | 0 | 0 | -1 | 5 | | |
| 41712 DAL BANDIN | 2853N | 06424E | 850 | | 920.4 | 1532 Y | | | 5.3 | | 0 | 0 | -2 | 3 | | |
| 41715 JACOBABAD | 2818N | 06828E | 56 | | 1008.6 | 1015.0 | 22.6 | .5 | 13.5 | | 0 | 0 | -1 | 4 | | |
| 41718 KHANPUR | 2839N | 07041E | 88 | | 1004.1 | 1014.5 | 21.2 | 1.5 | 14.3 | | 0 | 0 | -1 | 4 | | |
| 41739 PANJGUR | 2658N | 06406E | 981 | | 906.1 | 1525 Y | 19.2 | 2.6 | 9.8 | | 0 | 0 | -1 | 4 | | |
| 41744 KHUZDAR | 2750N | 06638E | 1232 | | | 1509 Y | 18.2 | 1.5 | 6.8 | | 0 | 0 | -5 | 0 | | |
| 41756 JIWANI | 2504N | 06148E | 57 | | 1007.7 | 1014.3 | 25.1 | 1.2 | 21.8 | | 0 | 0 | -4 | 5 | | |
| 41759 PASNI | 2516N | 06329E | 6 | | 1013.1 | 1013.7 | 25.1 | | 22.9 | | 0 | 0 | -1 | 5 | | |
| 41768 CHHOR | 2531N | 06947E | 6 | | 1013.7 | 1014.4 | 23.0 | .6 | 13.1 | | 0 | 0 | -3 | 5 | | |
| 41780 KARACHI AIRPORT | 2454N | 06708E | 22 | | 1012.0 | 1024.0 | 25.5 | 1.6 | 14.2 | | 0 | 0 | -1 | 5 | | |
| INDIA | | | | | | | | | | | | | | | | |
| 42027 SRINAGAR | 3405N | 07450E | 1587 | | 845.8 | 1543 Y | 9.5 | 1.4 | 8.7 | | 1 | 33 | 5 | 4 | 182 | |
| 42147 MUKTESHVAR KUMAON | 2928N | 07939E | 2311 | | 778.6 | 3188 Z | 11.9 | .7 | 7.1 | | 0 | 0 | -10 | 3 | | |
| 42165 BIKANER | 2800N | 07318E | 224 | | | 1014.6 | 23.8 | 2.3 | 10.9 | | 0 | 0 | -3 | 4 | | |
| 42314 DIBRUGARH/MOHANBARI | 2729N | 09501E | 111 | | 1002.7 | 1015.5 | 21.3 | .5 | 19.0 | | 0 | T | -19 | 1 | 259 | |
| 42339 JODHPUR | 2618N | 07301E | 224 | | | 1014.7 | 23.8 | | 9.7 | | 0 | 0 | | 4 | | |
| 42410 GAUHATI | 2606N | 09135E | 54 | | 1008.3 | 1014.5 | 22.3 | .1 | 22.1 | | 1 | 4 | -21 | 2 | 232 | 101 |
| 42452 KOTA AERODROME | 2509N | 07551E | 274 | | | 1015.2 | 24.0 | 1.4 | 10.7 | | 0 | 0 | -20 | 3 | | |
| 42475 ALLAHABAD/BAMHRAULI | 2527N | 08144E | 98 | | 1003.7 | 1014.9 | 22.9 | 1.2 | 16.5 | | 0 | 0 | -9 | 3 | 144 | 56 |
| 42619 SILCHAR | 2445N | 09248E | 29 | | 1010.7 | 1014.0 | 23.9 | | 23.5 | | 0 | T | | 1 | | |
| 42647 AHMADABAD | 2304N | 07238E | 55 | | 1007.8 | 1014.1 | 26.0 | 1.3 | 14.9 | | 0 | 0 | -14 | 4 | 269 | 98 |
| 42671 SAGAR | 2351N | 07845E | 551 | | 953.3 | 1014.9 | 23.5 | 1.1 | 13.4 | | 1 | 4 | -15 | 4 | | |
| 42731 DWARKA | 2222N | 06905E | 11 | | 1012.6 | 1013.9 | 27.5 | 1.2 | 21.3 | | 0 | 0 | -2 | | | |
| 42754 INDORE | 2243N | 07548E | 567 | | 950.9 | 1014.1 | 22.7 | .9 | 12.6 | | 1 | 14 | -7 | 4 | | |
| 42807 CALCUTTA/ALIPORE | 2232N | 08820E | 6 | | 1013.9 | 1014.5 | 24.7 | -2 | 21.1 | | 0 | 0 | -26 | 2 | 156 | 82 |
| 42867 NAGPUR SONEGAON | 2106N | 07903E | 310 | | 979.4 | 1014.6 | 23.7 | .7 | 16.7 | | 1 | 13 | -4 | 4 | 257 | 97 |
| 42909 VERAVAL | 2054N | 07022E | 8 | | 1012.2 | 1013.1 | 28.5 | 2.3 | 22.1 | | 0 | 0 | -33 | 4 | | |
| 42933 AKOLA | 2042N | 07702E | 282 | | 981.7 | 1013.4 | 25.5 | 1.5 | 15.4 | | 2 | 31 | 11 | 4 | | |
| 42971 BHUBANESWAR | 2015N | 08550E | 46 | | 1009.4 | 1014.6 | 25.1 | .2 | 19.9 | | 0 | 0 | -48 | 2 | 234 | 108 |
| 43041 JAGDALPUR | 1905N | 08202E | 553 | | 953.3 | 1015.2 | 21.8 | .1 | 17.7 | | 1 | 3 | -23 | 3 | | |
| 43057 BOMBAY/COLABA | 1854N | 07249E | 11 | | 1011.2 | 1012.4 | 29.1 | 1.1 | 25.7 | | 2 | 5 | -18 | 4 | 243 | 99 |
| 43063 POONA | 1832N | 07351E | 559 | | 951.1 | 1013.4 | 23.0 | .7 | 17.7 | | 2 | 14 | -14 | 3 | 237 | 88 |
| 43128 HYDERABAD AIRPORT | 1727N | 07828E | 545 | | 953.1 | 1013.8 | 23.6 | .4 | 17.2 | | 0 | 0 | -29 | 2 | 237 | 96 |
| 43185 MACHILIPATNAM | 1612N | 08109E | 3 | | 1013.1 | 1013.5 | 26.2 | .4 | 25.2 | | 1 | 14 | -102 | 2 | 233 | |
| 43198 BELGAUM/SAMBERA | 1551N | 07437E | 747 | | 929.6 | 1011.4 | 23.7 | .9 | 15.5 | | 2 | 13 | -25 | 2 | | |
| 43279 MADRAS/MINAMBAKKAM | 1300N | 08011E | 16 | | 1011.0 | 1012.8 | 26.5 | .4 | 26.9 | | 11 | 235 | -174 | 2 | 197 | 108 |
| 43295 BANGALORE | 1258N | 07735E | 921 | | 911.3 | 1522 Y | 22.3 | .1 | 18.3 | | 5 | 26 | -26 | 2 | 168 | 88 |
| 43314 KOZHIIKODE | 1115N | 07547E | 5 | | 1010.4 | 1011.0 | 28.3 | .8 | 28.5 | | 4 | 131 | -41 | 3 | | |
| 43333 PORT BLAIR | 1140N | 09243E | 79 | | 1002.7 | 1011.5 | 27.9 | 2.0 | 29.7 | | 12 | 295 | 41 | 4 | 210 | 121 |
| 43363 PAMBAN | 0916N | 07918E | 11 | | 1009.8 | 1011.5 | 26.7 | -.7 | 30.7 | | 22 | 253 | 13 | 3 | | |
| 43369 MINICOY | 0818N | 07309E | 2 | | 1010.4 | 1010.6 | 27.9 | .4 | 31.9 | | 8 | 155 | 10 | 4 | 193 | 89 |
| 43371 THIRUVANANTHAPURAM | 0829N | 07657E | 64 | | 1003.5 | 1010.7 | 27.6 | .8 | 29.3 | | 12 | 111 | -95 | 2 | 138 | 83 |

SURFACE

NOVEMBER 2004

| 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. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| SRI LANKA | | | | | | | | | | | | | | | | |
| 43418 | TRINCOMALEE | 0835N | 08115E | 7 | 1002.5 | 1011.3 | 26.7 | .0 | 31.1 | 2.9 | 23 | 274 | -60 | | | |
| 43466 | COLOMBO | 0654N | 07952E | 7 | 1009.1 | 1010.3 | 27.1 | .4 | 30.5 | 2.0 | 15 | 264 | -46 | 151 | 72 | |
| 43497 | HAMBANTOTA | 0607N | 08108E | 20 | 1008.3 | 1010.1 | 27.1 | .3 | 31.2 | 2.9 | 16 | 210 | 22 | | | |
| MONGOLIA | | | | | | | | | | | | | | | | |
| 44203 | RINCHINLHUMBE | 5107N | 09940E | 1583 | 843.3 | 1039.4 | -19.0 | 1.4 | 1.1 | .0 | 2 | 6 | 1 | 2 | | |
| 44207 | HATGAL | 5026N | 10009E | 1668 | 833.2 | 1032.8 | -12.9 | .8 | 1.7 | .2 | 1 | 2 | -3 | 2 | | |
| 44212 | ULAAN-GOM | 4959N | 09205E | 939 | 918.1 | 1035.7 | -9.0 | 1.5 | 2.4 | .1 | 4 | 8 | 2 | 4 | 74 | 74 |
| 44213 | BARUUNTURUUN | 4939N | 09424E | 1232 | 883.9 | 1037.5 | -14.0 | .3 | 1.9 | .1 | 2 | 9 | 0 | 3 | | |
| 44214 | UIGI | 4856N | 08956E | 1715 | 834.4 | 1035.6 | -7.5 | 1.0 | 2.0 | -1 | | | | | | |
| 44215 | OMNO-GOBI | 4901N | 09143E | 1590 | 843.8 | 1032.3 | -10.5 | .4 | 2.0 | .2 | | | | | | |
| 44218 | HOVD | 4801N | 09134E | 1405 | 864.1 | 1031.2 | -10.1 | -.4 | 2.7 | .7 | 01 | 1 | 0 | 2 | | |
| 44225 | TOSONTSENGEL | 4844N | 09812E | 1723 | 830.7 | 1040.3 | -16.0 | 2.7 | 3.4 | 2.1 | 1 | 1 | -6 | 1 | | |
| 44230 | TARIALAN | 4934N | 10200E | 1235 | 882.1 | 1033.2 | -9.6 | .7 | 1.9 | .0 | 1 | 2 | 0 | 3 | | |
| 44231 | MUREN | 4934N | 10010E | 1283 | 874.8 | 1032.0 | -10.4 | 1.0 | 1.7 | -1 | 1 | 3 | 2 | 4 | | |
| 44232 | HUTAG | 4923N | 10242E | 938 | 913.9 | 1032.3 | -10.7 | .5 | 2.2 | .2 | 1 | 2 | -1 | 2 | | |
| 44237 | ERDENEMANDAL | 4832N | 10123E | 1509 | 850.1 | 1028.7 | -8.0 | 1.6 | 2.7 | .6 | 0 | T | -2 | 1 | | |
| 44239 | BULGAN | 4848N | 10333E | 1208 | 880.5 | 1028.8 | -10.6 | .2 | 2.2 | .4 | 1 | 4 | 1 | 4 | | |
| 44241 | BARUUNKHARAA | 4855N | 10604E | 807 | 924.7 | 1027.0 | -11.5 | -.5 | 2.5 | .5 | 2 | 10 | 5 | 4 | | |
| 44256 | DASHBALBAR | 4933N | 11424E | 705 | 934.3 | 1022.6 | -8.9 | 1.4 | 2.4 | .4 | 1 | 4 | 0 | 4 | | |
| 44259 | CHOIBALSAN | 4805N | 11433E | 747 | 931.5 | 1024.3 | -7.3 | 2.5 | 1.6 | -5 | 0 | T | -3 | 1 | 208 | 105 |
| 44265 | BAITAG | 4607N | 09128E | 1186 | 889.7 | 1036.0 | -8.6 | -.2 | 2.6 | .0 | 3 | 10 | 4 | 4 | | |
| 44272 | ULIASTAI | 4745N | 09651E | 1759 | 824.6 | 1033.2 | -11.7 | 1.5 | 1.6 | .0 | 1 | 2 | -2 | 1 | 184 | 106 |
| 44275 | BAYANBULAG | 4650N | 09805E | 2255 | 774.8 | 1034.2 | -12.4 | 2.5 | .9 | -8 | 0 | T | -2 | 1 | | |
| 44277 | ALTAI | 4624N | 09615E | 2181 | 782.7 | 1025.2 | -9.0 | 1.4 | 2.4 | .7 | 1 | 1 | -1 | 1 | | |
| 44282 | TSETSERLEG | 4727N | 10128E | 1691 | 830.4 | 1028.1 | -6.8 | .7 | 2.0 | .0 | 1 | 2 | -3 | 2 | | |
| 44284 | GAIUUT | 4642N | 10008E | 2126 | 788.5 | 1037.4 | -14.1 | .9 | 1.7 | .4 | 1 | 2 | 0 | 2 | | |
| 44285 | HUJIRT | 4654N | 10246E | 1662 | 834.0 | | -11.0 | -.2 | 1.9 | .0 | 1 | 3 | 0 | 3 | 200 | 102 |
| 44287 | BAYANHONGOR | 4608N | 10041E | 1859 | 814.2 | 1030.4 | -9.0 | 1.9 | 2.2 | .4 | 1 | 1 | -1 | 1 | | |
| 44288 | ARVAIHEER | 4616N | 10247E | 1813 | 817.8 | 1027.1 | -6.1 | 1.0 | 2.0 | .0 | 0 | T | -2 | 1 | | |
| 44292 | ULAAN-BAATOR | 4755N | 10652E | 1306 | 872.0 | 1030.9 | -10.1 | 3.1 | 2.2 | .3 | 1 | 6 | 3 | 5 | 198 | 112 |
| 44294 | MAANTI | 4718N | 10729E | 1430 | 856.9 | 1029.4 | -10.8 | 2.1 | 1.6 | -.2 | 0 | T | -3 | 1 | | |
| 44298 | CHOIR | 4627N | 10813E | 1286 | 872.8 | 1028.4 | -7.8 | 2.5 | 2.2 | .0 | 0 | T | -4 | 1 | | |
| 44302 | BAYAN-OVOO | 4747N | 11207E | 926 | 909.5 | 1024.8 | -8.9 | 1.9 | 2.4 | .5 | 2 | 3 | -2 | 2 | | |
| 44304 | UNDERKHAAN | 4719N | 11038E | 1033 | 900.1 | 1026.5 | -9.4 | 2.2 | | | 2 | 2 | -1 | 3 | | |
| 44305 | BARUUN-URT | 4641N | 11317E | 981 | 905.6 | 1026.8 | -6.8 | 3.5 | 2.4 | .3 | 0 | T | -2 | 1 | | |
| 44313 | KHALKH-GOL | 4737N | 11837E | 688 | 938.3 | 1024.8 | -8.3 | 3.0 | | | 0 | T | -5 | 1 | | |
| 44314 | MATAD | 4710N | 11538E | 907 | 914.3 | 1025.6 | -6.5 | 3.1 | | | 0 | T | -3 | 1 | | |
| 44336 | SAIKHAN-OVOO | 4527N | 10354E | 1316 | 871.9 | 1029.2 | -7.6 | 1.1 | 2.0 | .1 | 0 | 0 | -1 | 1 | | |
| 44341 | MANDALGOVI | 4546N | 10617E | 1393 | 861.7 | 1028.8 | -6.8 | 1.9 | 2.0 | -.1 | 0 | T | -2 | 1 | 235 | 110 |
| 44347 | TSOGT-OVOO | 4425N | 10519E | 1298 | 873.5 | 1029.4 | -5.6 | 1.0 | | | 0 | T | -2 | 1 | | |
| 44352 | BAYANDELGER | 4544N | 11222E | 1101 | 893.6 | 1026.8 | -6.2 | 2.5 | 2.9 | .6 | 0 | T | -2 | 1 | 208 | 70 |
| 44358 | ZAMYN-UUD | 4344N | 11154E | 964 | 910.6 | 1028.4 | -5.0 | 1.6 | 3.0 | .5 | 1 | 3 | 2 | 2 | | |
| 44373 | DALANZADGAD | 4335N | 10425E | 1465 | 855.8 | 1028.5 | -4.1 | 1.0 | 2.4 | .0 | 0 | T | -2 | 1 | 233 | 100 |
| NEPAL | | | | | | | | | | | | | | | | |
| 44454 | KATHMANDU AIRPORT | 2742N | 08522E | 1337 | 869.1 | 1527 Y | 15.2 | | 13.9 | | 1 | 36 | 34 | 6 | 206 | 95 |

SURFACE

NOVEMBER 2004

| 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. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| HONG KONG, CHINA | | | | | | | | | | | | | | | | |
| 45004 KING'S PARK | 2219N | 11410E | 66 | | 1011.0 | 1018.7 | 22.0 | .4 | 18.8 | 1.4 | 0 | 0 | -34 | 0 | 184 | 102 |
| REPUBLIC OF KOREA | | | | | | | | | | | | | | | | |
| 47101 CHUNCHON | 3754N | 12744E | 75 | | 1013.6 | 1022.9 | 6.9 | 2.3 | 7.4 | .9 | 6 | 43 | 0 | 3 | 141 | 99 |
| 47105 KANGNUNG | 3745N | 12854E | 27 | | 1017.6 | 1020.8 | 11.4 | 2.7 | 7.1 | .1 | 5 | 10 | -68 | 1 | 201 | 117 |
| 47108 SEOUL | 3734N | 12658E | 87 | | 1012.4 | 1022.9 | 9.1 | 2.5 | 8.0 | 1.1 | 7 | 80 | 27 | 4 | 157 | 105 |
| 47115 ULLUNGDO | 3729N | 13054E | 223 | | 993.9 | 1020.2 | 11.4 | 2.1 | 9.6 | 1.2 | 11 | 152 | 44 | 5 | 153 | 129 |
| 47133 TAEJON | 3618N | 12724E | 78 | | 1014.8 | 1023.1 | 9.1 | 2.6 | 8.1 | .6 | 4 | 37 | -11 | 3 | 145 | 98 |
| 47138 POHANG | 3602N | 12923E | 6 | | 1021.6 | 1022.0 | 11.9 | 2.5 | 8.6 | .8 | 5 | 51 | 0 | 4 | 218 | 120 |
| 47159 PUSAN | 3506N | 12902E | 71 | | 1013.5 | 1021.9 | 12.5 | 1.5 | 8.7 | .4 | 6 | 32 | -32 | 2 | 233 | 125 |
| 47165 MOKPO | 3447N | 12623E | 56 | | 1018.7 | 1023.2 | 10.5 | .4 | 9.2 | .1 | 6 | 39 | -12 | 3 | 188 | 122 |
| 47168 YOSU | 3444N | 12744E | 68 | | 1014.3 | 1022.3 | 12.1 | 1.6 | 9.2 | .9 | 4 | 54 | 5 | 4 | 214 | 110 |
| 47184 CHEJU | 3331N | 12632E | 24 | | 1020.7 | 1023.2 | 13.9 | 1.5 | 10.3 | -1.1 | 7 | 52 | -27 | 3 | 160 | 125 |
| JAPAN | | | | | | | | | | | | | | | | |
| 47401 WAKKANAI | 4525N | 14141E | 11 | | 1013.1 | 1014.5 | 5.9 | 2.7 | 6.2 | .7 | 11 | 70 | -58 | 1 | 81 | 140 |
| 47407 ASAHIKAWA | 4346N | 14222E | 116 | | 999.0 | 1016.3 | 4.4 | 2.6 | 6.7 | 1.0 | 15 | 105 | -12 | 2 | 79 | 123 |
| 47409 ABASHIRI | 4401N | 14417E | 43 | | 1009.8 | 1015.2 | 5.4 | 2.2 | 6.6 | 1.0 | 11 | 63 | 0 | 2 | 120 | 106 |
| 47412 SAPPORO | 4303N | 14120E | 26 | | 1013.0 | 1016.3 | 7.2 | 2.9 | 7.1 | 1.2 | 15 | 85 | -13 | 3 | 111 | 111 |
| 47418 KUSHIRO | 4259N | 14424E | 37 | | 1010.6 | 1015.5 | 6.1 | 2.4 | 7.2 | 1.2 | 8 | 50 | -22 | 3 | 157 | 98 |
| 47420 NEMURO | 4320N | 14535E | 39 | | 1010.3 | 1015.1 | 6.9 | 2.0 | 8.0 | 1.6 | 11 | 84 | 4 | 3 | 135 | 96 |
| 47421 SUTTSU | 4248N | 14014E | 38 | | 1012.0 | 1016.7 | 8.0 | 3.0 | 7.9 | 1.6 | 17 | 154 | 17 | 4 | 61 | 103 |
| 47426 URAKAWA | 4210N | 14247E | 37 | | 1012.0 | 1016.5 | 8.1 | 2.6 | 8.0 | 1.5 | 14 | 75 | -18 | 3 | 128 | 102 |
| 47430 HAKODATE | 4149N | 14045E | 43 | | 1011.9 | 1017.3 | 8.3 | 3.2 | 8.2 | 1.4 | 13 | 155 | 52 | 5 | 94 | 85 |
| 47575 AOMORI | 4049N | 14046E | 3 | | 1017.4 | 1017.9 | 9.8 | 3.6 | 9.0 | 1.7 | 14 | 99 | -36 | 2 | 67 | 77 |
| 47582 AKITA | 3943N | 14006E | 21 | | 1016.4 | 1019.1 | 10.9 | 3.5 | 9.6 | 1.9 | 16 | 152 | -29 | 2 | 79 | 94 |
| 47585 MIYAKO | 3939N | 14158E | 46 | | 1011.8 | 1018.0 | 10.1 | 2.4 | 9.1 | 1.9 | 6 | 90 | -5 | 4 | 140 | 98 |
| 47598 ONAHAMA | 3657N | 14054E | 5 | | 1018.7 | 1019.3 | 13.3 | 2.8 | 11.2 | 2.0 | 7 | 65 | -22 | 3 | 165 | 106 |
| 47600 WAJIMA | 3723N | 13654E | 14 | | 1018.6 | 1020.4 | 12.7 | 2.6 | 11.5 | 1.9 | 20 | 156 | -80 | 1 | 87 | 102 |
| 47602 AIKAWA | 3802N | 13815E | 17 | | 1017.9 | 1020.0 | 13.7 | 3.1 | 11.4 | 2.1 | 13 | 119 | -39 | 2 | 104 | 114 |
| 47605 KANAZAWA | 3635N | 13638E | 33 | | 1016.6 | 1020.6 | 13.8 | 3.0 | 11.2 | 1.4 | 18 | 185 | -80 | 2 | 131 | 134 |
| 47618 MATSUMOTO | 3615N | 13758E | 611 | | 948.6 | 1020.8 | 8.7 | 1.9 | 8.3 | 1.2 | 5 | 36 | -11 | 2 | 166 | 107 |
| 47624 MAEBASHI | 3624N | 13904E | 113 | | 1005.8 | 1019.4 | 13.1 | 2.8 | 9.5 | 1.4 | 6 | 38 | -7 | 3 | 188 | 113 |
| 47636 NAGOYA | 3510N | 13658E | 56 | | 1013.4 | 1020.1 | 14.1 | 2.6 | 11.0 | 1.5 | 6 | 95 | 25 | 4 | 181 | 115 |
| 47648 CHOSHI | 3544N | 14052E | 28 | | 1015.5 | 1018.8 | 15.5 | 1.9 | 14.6 | 3.3 | 7 | 154 | 32 | 4 | 151 | 114 |
| 47655 OMAEZAKI | 3436N | 13813E | 47 | | 1013.3 | 1018.8 | 16.3 | 2.3 | 12.7 | 1.4 | 7 | 107 | -28 | 2 | 202 | 125 |
| 47662 TOKYO | 3541N | 13946E | 36 | | 1014.9 | 1019.3 | 15.6 | 3.0 | 10.9 | 1.7 | 7 | 109 | 20 | 4 | 161 | 118 |
| 47663 OWASE | 3404N | 13612E | 27 | | 1016.7 | 1019.9 | 14.9 | 2.1 | 12.3 | 1.6 | 6 | 154 | -94 | 3 | 197 | 130 |
| 47675 OSHIMA | 3445N | 13222E | 79 | | 1009.3 | 1018.8 | 16.0 | 3.0 | 13.9 | 2.5 | 7 | 158 | -40 | 3 | 165 | 132 |
| 47678 HACHIJOJIMA | 3306N | 13947E | 80 | | 1000.4 | 1018.8 | 18.2 | 1.1 | 15.5 | 1.0 | 9 | 185 | -70 | 2 | 138 | 131 |
| 47740 SAIGO | 3612N | 13320E | 31 | | 1016.9 | 1020.8 | 13.0 | 1.8 | 11.4 | 1.4 | 11 | 69 | -75 | 1 | 128 | 110 |
| 47741 MATSUE | 3527N | 13304E | 22 | | 1018.5 | 1021.2 | 13.3 | 2.3 | 11.6 | 1.1 | 12 | 76 | -61 | 1 | 138 | 124 |
| 47750 MAIZURU | 3527N | 13519E | 22 | | 1018.5 | 1021.2 | 12.7 | 1.9 | 11.4 | 1.0 | 11 | 74 | -64 | 1 | 107 | 116 |
| 47755 HAMADA | 3454N | 13204E | 20 | | 1018.5 | 1021.4 | 14.3 | 1.9 | 11.6 | 1.4 | 7 | 35 | -76 | 1 | 150 | 135 |
| 47772 OSAKA | 3441N | 13531E | 83 | | 1011.1 | 1021.1 | 15.2 | 2.3 | 11.3 | 1.4 | 7 | 118 | 53 | 5 | 169 | 119 |
| 47778 SHIONOMISAKI | 3327N | 13546E | 75 | | 1011.2 | 1020.1 | 16.5 | 1.6 | 12.6 | 1.1 | 6 | 135 | -59 | 3 | 215 | 131 |
| 47800 IZUHARA | 3412N | 12918E | 19 | | 1019.6 | 1021.8 | 13.8 | 1.6 | 11.2 | 1.1 | 5 | 46 | -60 | 2 | 187 | 132 |

SURFACE

NOVEMBER 2004

| 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. |
| | | | | | mb | mb | °C | °C | mb | mb | mm | mm | hr | % | | |
| 47807 FUKUOKA | 3335N | 13023E | 15 | | 1019.9 | 1021.7 | 15.1 | 2.1 | 11.3 | .7 | 6 | 59 | -21 | 2 | 184 | 140 |
| 47815 OITA | 3314N | 13137E | 13 | | 1020.2 | 1021.7 | 14.6 | 1.9 | 11.3 | .6 | 6 | 57 | -4 | 3 | 207 | 146 |
| 47817 NAGASAKI | 3244N | 12952E | 35 | | 1017.6 | 1021.9 | 15.2 | 1.5 | 11.6 | .4 | 5 | 35 | -50 | 1 | 179 | 132 |
| 47827 KAGOSHIMA | 3133N | 13033E | 31 | | 1017.5 | 1021.3 | 16.6 | 2.1 | 12.5 | .2 | 8 | 170 | 83 | 5 | 212 | 141 |
| 47830 MIYAZAKI | 3155N | 13125E | 7 | | 1019.5 | 1021.3 | 15.2 | 1.4 | 12.7 | .5 | 7 | 255 | 154 | 5 | 213 | 131 |
| 47837 TANEGASHIMA | 3044N | 13100E | 18 | | 1018.5 | 1020.7 | 19.0 | 1.3 | 14.6 | -.2 | 7 | 115 | -2 | 4 | 210 | 158 |
| 47843 FUKUE | 3242N | 12850E | 26 | | 1018.7 | 1021.8 | 14.7 | .9 | 11.2 | -.3 | 5 | 69 | -60 | 2 | 178 | 137 |
| 47887 MATSUYAMA | 3350N | 13247E | 34 | | 1017.5 | 1021.6 | 14.4 | 1.7 | 11.2 | .9 | 6 | 81 | 15 | 4 | 192 | 133 |
| 47891 TAKAMATSU | 3419N | 13403E | 10 | | 1019.7 | 1021.4 | 14.4 | 2.4 | 11.3 | 1.0 | 7 | 62 | -3 | 4 | 183 | 123 |
| 47898 SHIMIZU | 3243N | 13301E | 33 | | 1016.7 | 1020.6 | 17.2 | 1.4 | 13.0 | 1.3 | 6 | 84 | -51 | 3 | 228 | 138 |
| 47899 MUROTOMISAKI | 3315N | 13411E | 186 | | 998.4 | 1020.5 | 15.9 | 1.5 | 12.7 | 1.2 | 6 | 181 | 37 | 4 | 217 | 133 |
| 47909 NAZE | 2823N | 12930E | 7 | | 1019.5 | 1020.5 | 20.6 | .8 | 16.1 | -.7 | 9 | 125 | -65 | 2 | 124 | 143 |
| 47918 ISHIGAKIJIMA | 2420N | 12410E | 7 | | 1017.5 | 1018.8 | 23.4 | .9 | 19.3 | -1.5 | 5 | 17 | -152 | 0 | 129 | 119 |
| 47927 MIYAKOJIMA | 2447N | 12517E | 41 | | 1014.2 | 1018.9 | 23.3 | 1.2 | 19.6 | -.7 | 5 | 42 | -103 | 0 | 152 | 141 |
| 47936 NAHA | 2612N | 12741E | 53 | | 1013.2 | 1019.4 | 22.6 | 1.2 | 17.7 | -.9 | 3 | 69 | -47 | 2 | 175 | 146 |
| 47945 MINAMIDAITOJIMA | 2550N | 13114E | 20 | | 1016.1 | 1018.5 | 23.2 | .9 | 19.6 | -.6 | 2 | 68 | -54 | 2 | 180 | 148 |
| 47971 CHICHIJIMA | 2705N | 14211E | 8 | | 1016.5 | 1017.5 | 24.5 | 1.4 | 23.3 | 1.5 | 7 | 66 | -82 | 2 | 163 | 125 |
| 47991 MINAMITORISHIMA | 2418N | 15358E | 9 | | 1015.2 | 1016.2 | 26.5 | .4 | 25.9 | -.5 | 7 | 131 | 54 | | 202 | 98 |
| THAILAND | | | | | | | | | | | | | | | | |
| 48327 CHIANG MAI | 1847N | 09859E | 314 | | 977.6 | 1013.4 | 24.2 | .4 | 23.6 | 1.1 | | | | | 213 | 91 |
| 48354 UDON THANI | 1723N | 10248E | 182 | | 993.1 | 1013.5 | 25.5 | .9 | 21.0 | -.7 | 01 | 1 | -8 | 2 | | |
| 48378 PHITSANULOK | 1647N | 10016E | 45 | | 1007.6 | 1012.8 | 27.2 | 1.1 | 24.0 | -.8 | 0 | T | -31 | 1 | | |
| 48400 NAKHON SAWAN | 1548N | 10010E | 35 | | 1008.6 | 1012.7 | 27.7 | 1.3 | 25.3 | -.3 | 0 | T | -35 | 1 | 275 | 111 |
| 48431 NAKHON RATCHASIMA | 1458N | 10205E | 188 | | 991.8 | 1013.1 | 26.7 | 2.1 | 22.4 | -.6 | 2 | 11 | -20 | 3 | | |
| 48455 BANGKOK | 1344N | 10034E | 20 | | 1011.4 | 1011.9 | 29.3 | 2.4 | 24.3 | -2.6 | 1 | 5 | -43 | 1 | 255 | 109 |
| 48480 CHANTHABURI | 1236N | 10207E | 4 | | 1010.8 | 1011.3 | 28.2 | 2.0 | 25.9 | .4 | 1 | 27 | -34 | 2 | 247 | 102 |
| 48500 PRACHUAP KHRIKHAN | 1150N | 09950E | 5 | | 1010.8 | 1011.5 | 27.5 | 1.3 | 24.5 | -2.0 | 5 | 267 | 40 | 4 | | |
| 48517 CHUMPHON | 1029N | 09911E | 5 | | 1010.7 | 1011.3 | 27.1 | 1.3 | 30.1 | 1.8 | 16 | 296 | -79 | 2 | | |
| LAO PDR | | | | | | | | | | | | | | | | |
| 48930 LUANG-PRABANG | 1953N | 10208E | 305 | | 981.4 | 1016.4 | 21.9 | .0 | 21.7 | -.4 | 4 | 21 | -19 | 3 | 162 | 90 |
| 48938 SAYABOURY | 1914N | 10144E | 326 | | | 1013.2 | 23.2 | 1.3 | 21.2 | -.9 | 4 | 40 | 0 | 4 | 177 | 98 |
| 48940 VIENTIANE | 1757N | 10234E | 171 | | 994.9 | 1014.5 | 25.3 | 1.0 | 21.0 | -.9 | 0 | 0 | -9 | 1 | 227 | 97 |
| 48946 THAKHEK | 1723N | 10439E | 152 | | 997.0 | 1014.7 | 25.4 | 1.1 | 20.3 | -1.6 | 1 | 1 | -8 | | 278 | 119 |
| 48947 SAVANNAKHET | 1633N | 10439E | 145 | | 998.1 | 1014.8 | 24.8 | 2.8 | 22.0 | 1.6 | 1 | 1 | -6 | 3 | 229 | |
| 48948 SENO | 1640N | 10500E | 185 | | 992.9 | 1014.3 | 24.3 | 2.3 | 23.1 | 2.7 | 0 | 0 | -7 | 1 | 245 | |
| CHINA | | | | | | | | | | | | | | | | |
| 50527 HAILAR | 4913N | 11945E | 611 | | 946.5 | 1024.0 | -8.4 | 4.2 | 2.2 | .3 | 01 | 1 | -3 | 4 | 142 | 80 |
| 50745 QIQIHAR | 4723N | 12355E | 148 | | 1001.8 | 1020.8 | -3.5 | 3.6 | 2.8 | .4 | 01 | 1 | -3 | 1 | 197 | 104 |
| 51076 ALTAY | 4744N | 08805E | 737 | | 940.8 | 1032.8 | -4.5 | .3 | 3.1 | .0 | 6 | 43 | 24 | 5 | 151 | 100 |
| 51431 YINING | 4357N | 08120E | 663 | | 945.6 | 1025.5 | 4.9 | 3.3 | 6.6 | 1.4 | 9 | 115 | 91 | 6 | 169 | 101 |
| 51463 URUMQI | 4347N | 08737E | 919 | | 916.8 | 1030.3 | -1.4 | | 4.2 | | 3 | 17 | | 3 | 95 | 75 |
| 51709 KASHI | 3928N | 07559E | 1291 | | 877.0 | 1025.5 | 6.2 | 2.5 | 4.9 | .2 | 1 | 1 | 0 | 4 | 204 | 104 |
| 51777 RUOQIANG | 3902N | 08810E | 889 | | 921.4 | 1027.5 | 3.1 | 1.4 | 3.3 | .0 | 0 | 0 | -1 | 4 | 217 | 96 |
| 51828 HOTAN | 3708N | 07956E | 1375 | | 868.4 | 1024.8 | 7.2 | 3.3 | 3.9 | .3 | 0 | 0 | -1 | 5 | 238 | 109 |
| 52203 HAMI | 4249N | 09331E | 739 | | 939.5 | 1029.8 | .2 | .3 | 3.3 | .1 | 0 | 0 | -1 | 3 | 227 | 102 |
| 52533 JIUQUAN | 3946N | 09829E | 1478 | | 858.0 | 1029.7 | .2 | 1.2 | 2.7 | -.1 | 1 | 4 | 3 | 4 | 250 | 111 |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|----------------|----------------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | O _c | O _c | mb | mb | | mm | mm | | hr | |
| 52836 DULAN | 3618N | 09806E | 3192 | | 694.1 | | -3.5 | 1.1 | 1.6 | .1 | 1 | 1 | -2 | 2 | 226 | 91 |
| 53068 ERENHOT | 4339N | 11200E | 966 | | 910.3 | 1028.3 | -4.4 | 2.2 | 2.1 | .0 | 1 | 2 | 0 | 3 | 224 | 103 |
| 53614 YINCHUAN | 3829N | 10613E | 1112 | | 897.4 | 1029.7 | .7 | -4 | 3.8 | -5 | 0 | 1 | -4 | 2 | 188 | 85 |
| 53772 TAIYUAN | 3747N | 11233E | 779 | | 933.9 | 1027.8 | 3.0 | .7 | 4.2 | -4 | 2 | 3 | -9 | 2 | 207 | 114 |
| 54292 YANJI | 4253N | 12928E | 178 | | 1000.0 | 1022.5 | .2 | 3.2 | 4.2 | 1.0 | 6 | 24 | 11 | 5 | 134 | 82 |
| 54511 BEIJING | 3956N | 11617E | 55 | | 1020.4 | 1024.4 | 6.5 | 2.2 | 4.6 | -3 | 1 | 8 | 2 | 4 | 201 | 104 |
| 54857 QINGDAO | 3604N | 12020E | 77 | | 1015.2 | 1024.5 | 10.2 | 1.2 | 8.6 | .9 | 5 | 82 | 56 | 5 | 166 | 88 |
| 55591 LHASA | 2940N | 09108E | 3650 | | 655.7 | | 2.6 | .4 | 2.8 | .2 | 1 | 4 | 3 | 5 | 253 | 95 |
| 56137 QAMDO | 3109N | 09710E | 3307 | | 684.1 | | 1.5 | -4 | 3.1 | .3 | 01 | 1 | -3 | 2 | 190 | 95 |
| 56571 XICHANG | 2754N | 10216E | 1599 | | 843.1 | | 12.8 | .0 | 9.2 | -4 | 5 | 25 | 6 | 4 | 183 | 95 |
| 56739 TENGCHONG | 2507N | 09829E | 1649 | | 837.9 | | 12.3 | .2 | 9.9 | -9 | 5 | 22 | -26 | 2 | 257 | 121 |
| 56778 KUNMING | 2501N | 10241E | 1892 | | 814.7 | | 12.3 | 1.0 | 9.4 | -8 | 4 | 17 | -23 | 2 | 149 | 83 |
| 56985 MENGZI | 2323N | 10323E | 1302 | | 874.0 | 1017.3 | 16.7 | | 13.0 | | 6 | 28 | | 2 | 165 | 100 |
| 57036 XI'AN | 3418N | 10856E | 398 | | 979.2 | 1027.7 | 7.8 | 1.0 | 7.7 | .1 | 4 | 40 | 15 | 5 | 127 | 107 |
| 57083 ZHENGZHOU | 3443N | 11339E | 111 | | 1011.1 | 1024.8 | 9.6 | 1.7 | 7.3 | .2 | 4 | 40 | 15 | 5 | 144 | 88 |
| 57461 YICHANG | 3042N | 11118E | 134 | | 1008.2 | 1024.4 | 13.8 | 1.4 | 12.3 | 1.4 | 4 | 42 | -6 | 3 | 98 | 91 |
| 57745 ZHIJIANG | 2727N | 10941E | 273 | | 990.8 | 1023.6 | 13.2 | 1.0 | 12.1 | .7 | 9 | 118 | 50 | 5 | 92 | 97 |
| 57993 GANZHOU | 2551N | 11457E | 125 | | 1005.2 | 1021.7 | 16.5 | 1.1 | 13.1 | .0 | 5 | 46 | -7 | 3 | 154 | 106 |
| 58362 SHANGHAI | 3124N | 12128E | 4 | | 1022.9 | 1024.1 | 14.6 | | 12.4 | | 8 | 72 | | 4 | 145 | 90 |
| 58606 NANCHANG | 2836N | 11555E | 50 | | 1017.0 | 1022.8 | 15.5 | 2.3 | 11.8 | .5 | 6 | 61 | 7 | 4 | 157 | 109 |
| 59287 GUANGZHOU | 2308N | 11319E | 8 | | 1014.8 | 1019.7 | 21.2 | 1.8 | 15.8 | .1 | 1 | 6 | -36 | 2 | 165 | 94 |
| 59316 SHANTOU | 2324N | 11641E | 3 | | 1018.5 | 1019.4 | 21.4 | 2.1 | 18.2 | .6 | 1 | 6 | -33 | 2 | 206 | 115 |
| 59431 NANNING | 2249N | 10821E | 73 | | 1004.8 | 1019.3 | 19.5 | .9 | 18.0 | 1.6 | 4 | 22 | -22 | 3 | 120 | 81 |
| 59758 HAIKOU | 2002N | 11021E | 24 | | 1015.2 | 1017.3 | 23.4 | 1.4 | 22.6 | .9 | 3 | 8 | -89 | 1 | 158 | 102 |
| AFRICA | | | | | | | | | | | | | | | | |
| MADEIRA | | | | | | | | | | | | | | | | |
| 08522 FUNCHAL | 3238N | 01654W | 56 | | 1011.7 | 1018.6 | 19.1 | .3 | 13.7 | -1.6 | 10 | 85 | -16 | 3 | 146 | 94 |
| SPAIN (CANARY ISLANDS) | | | | | | | | | | | | | | | | |
| 60020 SANTA CRUZ DE TENE- RIFE, CM | 2827N | 01615W | 36 | | 1013.3 | 1017.7 | 21.5 | .7 | 15.5 | -.8 | 6 | 31 | -7 | 4 | 165 | 92 |
| 60030 LAS PALMAS DE GRAN CAN./GAN. | 2756N | 01523W | 47 | | 1011.7 | 1017.2 | 21.5 | 1.1 | 15.1 | -1.6 | 5 | 23 | 2 | 4 | 181 | 99 |
| 60040 LANZAROTE/AEROPUERTO | 2857N | 01336W | 21 | | 1015.2 | 1017.7 | 20.4 | .2 | 14.8 | -2.2 | 1 | 8 | -6 | 3 | 163 | 82 |
| WESTERN SAHARA | | | | | | | | | | | | | | | | |
| 60096 VILLA CISNEROS | 2342N | 01552W | 10 | | 1013.9 | 1015.3 | 22.3 | | | | 00 | 9999 | | 0 | 266 | 105 |
| MOROCCO | | | | | | | | | | | | | | | | |
| 60101 TANGER (AERODROME) | 3544N | 00554W | 21 | | 1017.3 | 1019.2 | 15.6 | -.3 | 13.1 | | 2 | 9 | -125 | 0 | 182 | 100 |
| 60115 OUJDA | 3447N | 00156W | 470 | | 965.5 | 1020.2 | 12.1 | -1.6 | 10.0 | | 4 | 29 | -8 | 3 | 115 | |
| 60120 KENITRA | 3418N | 00636W | 14 | | 1016.5 | 1018.2 | 15.3 | -.6 | 13.7 | | 5 | 44 | -86 | 2 | 197 | 105 |
| 60135 RABAT-SALE | 3403N | 00646W | 75 | | 1008.5 | 1018.1 | 15.2 | -.7 | 13.9 | | 4 | 26 | -70 | 1 | 203 | 90 |
| 60150 MEKNES | 3353N | 00532W | 549 | | 953.4 | 1018.5 | 13.8 | -.4 | 11.0 | | 7 | 40 | -39 | 3 | 208 | 110 |
| 60155 CASABLANCA | 3334N | 00740W | 62 | | 1011.0 | 1017.9 | 16.5 | .4 | 14.4 | | 4 | 63 | -11 | 3 | 202 | |
| 60195 MIDELT | 3241N | 00444W | 1515 | | | 1018.5 | 13.8 | 3.7 | 11.0 | | 7 | 40 | 20 | 3 | 208 | 110 |
| 60230 MARRAKECH | 3137N | 00802W | 466 | | 963.9 | 1018.3 | 15.6 | -.7 | 10.8 | | 5 | 28 | -12 | 3 | 211 | 95 |
| 60265 OUARZAZATE | 3056N | 00654W | 1140 | | 891.3 | 1538 Y | 12.7 | -1.0 | 6.8 | | 4 | 13 | -6 | 4 | 235 | 75 |

SURFACE

NOVEMBER 2004

| 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. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| SPAIN (CEUTA AND MELILLA) | | | | | | | | | | | | | | | | |
| 60338 MELILLA | 3517N | 00257W | 55 | | 1012.3 | 1018.8 | 15.8 | - .8 | 13.7 | - .3 | 2 | 27 | -14 | 3 | 184 | 113 |
| ALGERIA | | | | | | | | | | | | | | | | |
| 60351 JIJEL ACHOUAT | 3653N | 00549E | 10 | | 1017.0 | 1018.2 | 14.0 | | 13.1 | | 15 | 267 | | | 135 | 45 |
| 60353 JIJEL PORT | 3650N | 00547E | 2 | | 1012.1 | 1017.1 | 15.2 | | 13.7 | | 5 | | | | 155 | |
| 60360 ANNABA | 3650N | 00749E | 4 | | 1016.5 | 1017.5 | 14.0 | -1.6 | 13.2 | | 4 | 0018 | -056 | 1 | 152 | |
| 60367 EL-KALA | 3654N | 00827E | 10 | | 1016.6 | 1018.1 | 15.3 | | 13.7 | | 16 | 240 | | | | |
| 60387 DELLYS | 3655N | 00357E | 12 | | 1017.1 | 1017.7 | 15.0 | | 13.1 | | 9 | 96 | | | 178 | |
| 60390 DAR-EL-BEIDA | 3643N | 00315E | 25 | | 1015.7 | 1019.2 | 13.1 | -2.1 | 13.0 | | 10 | 116 | 20 | 4 | 196 | 65 |
| 60395 TIZI-OUZOU | 3642N | 00403E | 195 | | 1002.3 | 1018.7 | 13.3 | | 10.6 | | 10 | 107 | | | 59 | |
| 60402 BEJAIA | 3643N | 00504E | 2 | | 1018.0 | 1018.9 | 13.9 | -1.9 | 12.8 | | 10 | 178 | 79 | 5 | 154 | 50 |
| 60403 GUELMA | 3628N | 00728E | 227 | | 991.4 | 1018.6 | 12.8 | | 12.0 | | 11 | 177 | | | 167 | |
| 60410 TENES | 3630N | 00120E | 59 | | 1017.5 | 1019.6 | 15.7 | | 12.8 | | 7 | 53 | | | 190 | 60 |
| 60417 BOUIRA | 3623N | 00354E | 635 | | 953.1 | 1018.9 | -8.0 | | 11.5 | | 6 | 78 | | | 189 | 60 |
| 60419 CONSTANTINE | 3617N | 00637E | 694 | | 938.2 | 1018.9 | 9.9 | -1.5 | 10.4 | | 7 | 143 | 100 | 6 | 139 | |
| 60421 OUM EL BOUAGHI | 3553N | 00707E | 889 | | 915.0 | 1499 Y | 9.2 | | 9.1 | | 9 | 138 | | | 149 | |
| 60423 SOUK AHRAS | 3617N | 00758E | 680 | | 938.5 | 1017.6 | 10.6 | | 10.6 | | 11 | 150 | | | 124 | |
| 60425 CHLEF | 3613N | 00120E | 143 | | 1002.2 | 1019.4 | 13.6 | -1.2 | 11.4 | | 6 | 30 | -23 | 0 | 219 | |
| 60430 MILIANA | 3618N | 00214E | 715 | | 936.3 | 1019.6 | 11.8 | -1.0 | 10.3 | | 5 | 83 | -20 | 2 | 205 | |
| 60437 MEDEA | 3616N | 00245E | 981 | | 898.6 | 1494 Y | 9.2 | | 9.5 | | 9 | 108 | | | 215 | |
| 60444 BORDJ BOU ARRERIDJ | 3604N | 00446E | 928 | | 916.0 | | 9.2 | | 8.7 | | 5 | 50 | | | 194 | |
| 60445 SETIF | 3611N | 00525E | 1081 | | 902.7 | 1507 Y | 7.9 | | 8.5 | | 5 | 53 | | | 172 | |
| 60452 ARZEW | 3549N | 00016W | 3 | | 1018.7 | 1019.2 | 15.2 | | 13.3 | | 6 | 42 | | | 142 | |
| 60457 MOSTAGANEM VILLE | 3553N | 00007E | 137 | | 1001.9 | 1018.8 | 13.2 | | 12.0 | | 4 | 95 | | | 199 | |
| 60461 ORAN PORT | 3542N | 00039W | 22 | | 1016.3 | 1019.0 | 15.6 | | 13.0 | | 7 | 76 | | | | |
| 60467 M'SILA | 3540N | 00430E | 441 | | 966.7 | 1018.7 | 12.0 | | 10.3 | | 3 | 11 | | | 208 | 65 |
| 60471 BARIKA | 3520N | 00520E | 460 | | | | 11.5 | | 10.1 | | 3 | 18 | | | 198 | 60 |
| 60476 KHENCHELLA | 3525N | 00709E | 1116 | | 905.4 | 1505 Y | 9.0 | | 9.4 | | 8 | 113 | | | 144 | |
| 60490 ORAN/ES SENIA | 3538N | 00036W | 90 | | 1008.1 | 1019.1 | 12.9 | -2.0 | 12.9 | | 8 | 68 | 25 | 5 | | |
| 60506 MASCARA METMORE | 3536N | 00018E | 474 | | 963.8 | 1019.6 | 11.4 | | 10.1 | | 5 | 57 | | | 189 | 60 |
| 60511 TIARET | 3515N | 00126E | 1127 | | 907.2 | 1511 Y | 8.7 | | 8.2 | | 5 | 19 | | | 208 | 65 |
| 60514 KSAR CHELLALA | 3510N | 00219E | 800 | | 926.1 | 1507 Y | 10.4 | | 8.5 | | 4 | 9 | | | 218 | 65 |
| 60515 BOU-SAADA | 3520N | 00412E | 461 | | 966.8 | 1021.1 | 10.8 | | 9.2 | | 3 | 17 | | | 217 | |
| 60517 GHAZAOUET | 3506N | 00152W | 83 | | 1019.1 | 1019.8 | 14.9 | | 13.5 | | 4 | 35 | | | | |
| 60518 BENI-SAF | 3518N | 00121W | 68 | | 1009.2 | 1017.5 | 15.1 | | 13.8 | | 4 | 30 | | | 196 | 60 |
| 60520 SIDI BEL ABBES | 3511N | 00237W | 450 | | 964.4 | 1020.5 | 11.2 | | 10.3 | | 6 | 47 | | | 189 | 60 |
| 60522 MAGHNA | 3449N | 00147W | 426 | | 969.3 | 1019.9 | 11.6 | | 10.4 | | 3 | 15 | | | 178 | |
| 60525 BISKRA | 3448N | 00544E | 87 | | 1007.7 | 1018.3 | 15.6 | - .7 | 10.3 | | 2 | 33 | 15 | 5 | 230 | |
| 60531 TLEMEN (ZENATA) | 3501N | 00128W | 247 | | 990.4 | 1019.8 | 12.7 | | 12.4 | | 5 | 48 | | | 186 | 60 |
| 60535 DJELFA | 3441N | 00315E | 1144 | | 884.1 | 1507 Y | 7.8 | -1.3 | 8.4 | | 3 | 39 | 2 | 3 | 192 | 60 |
| 60536 SAIDA | 3452N | 00009E | 750 | | 932.2 | 1513 Y | 10.6 | | 9.0 | | 6 | 54 | | | 171 | |
| 60540 EL KHEITER | 3409N | 00004E | 1000 | | 902.7 | 1496 Y | 9.2 | | 7.4 | | 4 | 8 | | | 192 | 60 |
| 60545 LAGHOUAT | 3346N | 00256E | 765 | | 930.9 | 1515 Y | 11.2 | | 9.5 | | 2 | 3 | | | 194 | 60 |
| 60549 MECHERIA | 3456N | 00026W | 1149 | | 889.1 | 1520 Y | 9.6 | | 8.1 | | 3 | 66 | | | 182 | 55 |
| 60550 ELBAYADH | 3340N | 00100E | 1341 | | 868.2 | 1521 Y | 7.7 | | 6.9 | | 5 | 24 | | | 169 | |
| 60555 TOUGGOURT | 3307N | 00608E | 85 | | 1007.8 | 1018.7 | 14.3 | | 11.6 | | 3 | 26 | | | 217 | |
| 60557 NAAMA | 3316N | 00018W | 1166 | | 887.1 | 1519 Y | 9.0 | | 7.6 | | 3 | 35 | | | 186 | |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---------------------------|----------|-----------|-----------|-----------|--------------|----------------|----------------|----------------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | O _c | O _c | mb | mb | | mm | mm | | hr | |
| 60559 EL OUED | 3330N | 00607E | 63 | | 1009.4 | 1017.6 | 14.8 | -.9 | 14.6 | | 4 | 47 | 38 | 6 | 234 | |
| 60560 AIN SEFRA | 3246N | 00036W | 1058 | | 896.6 | 1505 Y | 10.0 | | 7.3 | | 4 | 23 | | | 201 | |
| 60566 GHARDAIA | 3223N | 00349E | 450 | | 965.1 | 1019.0 | 14.3 | -1.1 | 9.7 | | 5 | 11 | -1 | 0 | 205 | |
| 60571 BECHAR | 3137N | 00214W | 773 | | 926.6 | 1526 Y | 13.3 | -1.6 | 7.1 | | 4 | 13 | 3 | 4 | 225 | 70 |
| 60580 OUARGLA | 3155N | 00524E | 141 | | 1000.5 | 1017.9 | 14.9 | | 12.1 | | 4 | | | | 220 | |
| 60581 HASSI-MESSAOUD | 3140N | 00609E | 142 | | 1001.2 | 1018.3 | 15.3 | -1.0 | 11.3 | | 3 | 22 | 18 | 5 | | |
| 60590 EL GOLEA | 3034N | 00252E | 397 | | 971.9 | 1019.2 | 14.0 | -1.2 | 9.6 | | 4 | 30 | 25 | 5 | 228 | 70 |
| 60602 BENI ABBES | 3008N | 00210W | 499 | | 959.8 | 1018.3 | 15.5 | -1.2 | 9.3 | | 1 | 10 | 4 | 5 | 247 | 80 |
| 60607 TIMIMOUN | 2915N | 00017E | 312 | | 980.5 | 1017.6 | 15.8 | -1.4 | 9.1 | | 2 | 7 | 6 | 5 | 239 | |
| 60611 IN AMENAS | 2803N | 00938E | 562 | | 952.2 | 1016.8 | 16.3 | -.1 | 7.0 | | 0 | T | -2 | 3 | 250 | |
| 60620 ADRAR | 2753N | 00017W | 263 | | 983.6 | 1016.7 | 17.3 | -.9 | 8.1 | | 1 | 2 | 1 | 5 | 233 | |
| 60630 IN SALAH | 2712N | 00228E | 293 | | 984.4 | 1015.5 | 19.6 | -.5 | 8.4 | | 0 | 0 | -1 | 4 | 256 | |
| 60640 ILLIZI | 2630N | 00825E | 558 | | 953.0 | 1015.0 | 19.1 | | 7.7 | | 0 | 0 | | | | |
| 60656 TINDOUF | 2740N | 00808W | 431 | | 964.9 | 1016.5 | 17.7 | | 8.6 | | | | | | 254 | |
| 60670 DJANET | 2433N | 00928E | 1054 | | 907.4 | 1524 Y | 18.4 | .2 | 5.4 | | 0 | 0 | -1 | 4 | 291 | 100 |
| 60680 TAMANRASSET | 2247N | 00531E | 1378 | | 865.9 | 1522 Y | 18.1 | .8 | 5.9 | | 0 | 0 | -2 | 4 | 297 | 105 |
| 60686 BORDJ B.MOKHTAR | 2120N | 00057E | 398 | | 967.6 | 1012.7 | 22.4 | | 5.7 | | | | | | 265 | |
| TUNISIA | | | | | | | | | | | | | | | | |
| 60715 TUNIS-CARTHAGE | 3650N | 01014E | 4 | | 1015.6 | 1016.1 | 16.1 | .2 | 13.6 | | 10 | 89 | 33 | 5 | 164 | 94 |
| 60725 JENDOUBA | 3629N | 00848E | 144 | | 1000.7 | 1017.8 | 13.6 | -.8 | 12.4 | | 9 | 137 | 95 | 6 | 151 | 90 |
| 60735 KAIROUAN | 3540N | 01006E | 68 | | 1008.9 | 1016.9 | 16.1 | .2 | 11.9 | | 4 | 30 | 2 | 4 | 206 | 100 |
| 60765 GABES | 3353N | 01006E | 5 | | 1016.5 | 1017.1 | 17.3 | .5 | 13.4 | | 2 | 20 | -11 | 3 | 225 | 99 |
| NIGER | | | | | | | | | | | | | | | | |
| 61017 BILMA | 1841N | 01255E | 357 | | 972.4 | 1012.9 | 23.4 | | 7.6 | | 0 | 0 | | 5 | 295 | 95 |
| 61024 AGADEZ | 1658N | 00759E | 502 | | 955.3 | 1010.9 | 27.0 | | 9.3 | | 0 | 0 | | 5 | 266 | 85 |
| 61036 TILLABERY | 1412N | 00127E | 210 | | 986.7 | 1010.1 | 29.8 | | 10.4 | | | 5 | | 0 | 286 | 100 |
| 61043 TAHOUA | 1454N | 00515E | 391 | | 965.3 | 1008.4 | 29.0 | | 7.2 | | 0 | 0 | | 5 | 284 | 100 |
| 61045 GOURE | 1359N | 01018E | 460 | | 961.5 | 1010.0 | 26.8 | | 6.2 | | 0 | 0 | | 5 | 286 | |
| 61049 N'GUIGMI | 1415N | 01307E | 286 | | | 1010.4 | 26.6 | | 9.7 | | 0 | 0 | | 5 | 291 | 95 |
| 61052 NIAMEY-AERO | 1329N | 00210E | 227 | | 984.4 | 1009.1 | 29.5 | | 10.5 | | | | | | 270 | 95 |
| 61075 BIRNI-N'KONNI | 1348N | 00515E | 273 | | 979.1 | 1009.4 | 28.8 | | 10.2 | | 0 | 0 | | 5 | 283 | 95 |
| 61080 MARADI | 1328N | 00705E | 373 | | 967.1 | 1008.6 | 27.3 | | 9.4 | | 0 | 0 | | 5 | 254 | 85 |
| 61090 ZINDER | 1347N | 00859E | 453 | | 960.3 | 1010.5 | 27.0 | | 6.5 | | | | | | 278 | 95 |
| SENEGAL | | | | | | | | | | | | | | | | |
| 61612 PODOR | 1639N | 01458W | 7 | | 1011.9 | 1012.7 | 28.8 | | 14.1 | .8 | 0 | T | -1 | 0 | 204 | |
| 61627 LINGUERE | 1523N | 01507W | 21 | | 1009.3 | 1011.6 | 29.7 | | 13.4 | -.1 | 0 | 0 | -1 | 4 | 200 | 81 |
| 61630 MATAM | 1539N | 01315W | 17 | | 1008.9 | 1011.0 | 29.6 | | 18.5 | 4.7 | 1 | 1 | -1 | 4 | 228 | 84 |
| 61641 DAKAR/YOFF | 1444N | 01730W | 24 | | 1008.8 | 1012.0 | 26.8 | | 24.7 | 1.0 | | | | | 187 | 75 |
| 61679 KAOLACK | 1408N | 01604W | 7 | | 1011.4 | 1012.1 | 29.7 | | 21.2 | | 0 | 0 | -4 | 1 | 193 | 76 |
| 61695 ZIGUINCHOR | 1233N | 01616W | 23 | | 1008.8 | 1011.3 | 27.1 | | 26.3 | 2.4 | 0 | 0 | -5 | 0 | 205 | 79 |
| 61699 KEDOUGOU | 1234N | 01213W | 167 | | 990.6 | 1009.3 | 27.7 | | 20.6 | | 1 | 8 | 4 | 2 | | |
| OCEAN ISLANDS (UK) | | | | | | | | | | | | | | | | |
| 61901 ST. HELENA IS. | 1556S | 00504W | 436 | | 966.1 | 1016.9 | 17.9 | | | | 1 | 5 | | | 96 | 120 |
| MAURITIUS | | | | | | | | | | | | | | | | |

SURFACE

NOVEMBER 2004

| 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. |
| | ' | ' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 61974 AGALEGA | 1026S | 05645E | 3 | | 1012.0 | 1012.5 | 26.8 | .1 | 28.0 | -.3 | 12 | 123 | -2 | 4 | 272 | |
| OCEAN ISLANDS (FRANCE) | | | | | | | | | | | | | | | | |
| 61976 SERGE-FROLOW (ILE TROMELIN) | 1553S | 05431E | 13 | | 1013.6 | 1015.1 | 26.2 | | 25.6 | | 12 | 57 | | 6 | 253 | |
| 61980 SAINT-DENIS/GILLOT (REUNION) | 2053S | 05531E | 25 | | | 1017.4 | 24.3 | | 21.6 | | 8 | 36 | | 6 | 203 | |
| MAURITIUS | | | | | | | | | | | | | | | | |
| 61986 ST. BRANDON (ST. RAPHAEL) | 1627S | 05937E | 4 | | 1014.0 | 1014.4 | 26.5 | .9 | 26.5 | .3 | 6 | 27 | 0 | 4 | | |
| 61988 RODRIGUES | 1941S | 06325E | 59 | | 1010.1 | 1016.4 | 23.9 | -.2 | 22.7 | -.1 | 8 | 31 | -32 | 3 | 292 | 107 |
| 61990 PLAISANCE (MAURITIUS) | 2026S | 05740E | 57 | | 1011.9 | 1017.8 | 24.2 | .4 | 22.9 | -.4 | 14 | 86 | -3 | 4 | 226 | 93 |
| OCEAN ISLANDS (FRANCE) | | | | | | | | | | | | | | | | |
| 61998 PORT-AUX-FRANCAIS (ILES KERG) | 4921S | 07015E | 30 | | 998.3 | 1001.9 | 4.3 | -.4 | 5.9 | | 10 | 24 | -28 | 1 | 163 | 93 |
| ETHIOPIA | | | | | | | | | | | | | | | | |
| 63331 GONDAR | 1232N | 03725E | 1667 | | | | 20.3 | | 12.4 | | 3 | 66 | 44 | | 100 | |
| 63402 JIMMA | 0740N | 03650E | 1725 | | 835.2 | | 19.2 | | 16.2 | | 3 | 67 | | | 103 | |
| 63450 ADDIS ABABA-BOLE | 0902N | 03845E | 2354 | | 773.8 | 1011.8 | 15.4 | | 8.4 | | 00 | 0000 | | | 094 | |
| 63471 DIREDAWA | 0936N | 04151E | 1260 | | 885.7 | | 23.5 | | 14.5 | | 3 | 25 | | | 104 | |
| SEYCHELLES | | | | | | | | | | | | | | | | |
| 63980 SEYCHELLES INT. AIRPORT | 0440S | 05531E | 3 | | 1010.7 | 1011.1 | 27.3 | .5 | 28.8 | .7 | 10 | 228 | 13 | 4 | 211 | 108 |
| RWANDA | | | | | | | | | | | | | | | | |
| 64387 KIGALI | 0158S | 03007E | 1497 | | 851.0 | 1504 Y | 20.2 | | 18.2 | | 14 | 76 | -51 | | | |
| CONGO | | | | | | | | | | | | | | | | |
| 64400 POINTE-NOIRE | 0449S | 01154E | 17 | | 1008.8 | 1010.8 | 26.5 | | 29.9 | | 11 | 210 | | 3 | 118 | |
| 64401 LOUBOMO | 0412S | 01242E | 330 | | | | 26.6 | | 26.8 | | 19 | 240 | | | | |
| 64402 MOUYONDZI | 0359S | 01355E | 512 | | 952.6 | 1009.0 | 24.7 | | 26.5 | | 17 | 267 | | | | |
| 64450 BRAZZAVILLE/MAYA-MAYA | 0415S | 01515E | 316 | | 974.7 | 1009.8 | 25.9 | | 26.4 | | 10 | 190 | | 1 | 152 | 95 |
| 64454 GAMBOMA | 0152S | 01552E | 377 | | 967.5 | | 25.9 | | 26.0 | | 13 | 168 | | 2 | | |
| 64456 MAKOUA | 0001S | 01535E | 379 | | | | 25.6 | | 26.3 | | 14 | 117 | | | | |
| CAMEROON | | | | | | | | | | | | | | | | |
| 64910 DOUALA OBS. | 0400N | 00944E | 9 | | 1008.9 | 1009.9 | 26.6 | -.3 | 30.1 | .8 | 15 | 230 | 97 | 0 | 184 | 114 |
| BENIN | | | | | | | | | | | | | | | | |
| 65319 NATITINGOU | 1019N | 00123E | 461 | | 959.0 | 1010.0 | 26.1 | -.3 | 21.9 | 5.3 | 7 | 109 | 100 | 6 | 257 | 97 |
| 65330 PARAKOU | 0921N | 00237E | 393 | | 966.5 | 1010.0 | 27.1 | .5 | 22.8 | 3.5 | 4 | 94 | 88 | 6 | 239 | 95 |
| TOGO | | | | | | | | | | | | | | | | |
| 65352 MANGO | 1022N | 00028E | 146 | | 992.5 | 1010.0 | 29.0 | 1.1 | 22.2 | | 2 | 0020 | 0015 | | | |
| 65361 SOKODE | 0859N | 00109E | 387 | | 965.8 | 1009.5 | 25.9 | | 24.5 | | 6 | 156 | 137 | 6 | | |
| 65376 ATAKPAME | 0735N | 00107E | 402 | | 964.5 | 1010.3 | 26.7 | .1 | 24.6 | | 3 | 13 | -16 | 3 | | |
| 65387 LOME | 0610N | 00115E | 25 | | 1007.8 | 1010.6 | 28.5 | 1.2 | 31.8 | | 4 | 15 | -5 | 3 | 229 | 95 |
| GHANA | | | | | | | | | | | | | | | | |
| 65442 KUMASI | 0643N | 00136W | 293 | | 978.3 | 1011.7 | 26.4 | | 27.7 | | 10 | 44 | | | 204 | 55 |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| BURKINA FASO | | | | | | | | | | | | | | | | |
| 65501 DORI | 1402N | 00002W | 277 | | 979.2 | 1010.1 | 28.7 | | 9.6 | | 0 | 0 | | 5 | 288 | |
| 65502 OUAHIGOUYA | 1334N | 00225W | 336 | | 972.3 | 1009.4 | 29.4 | | 11.2 | | 0 | 0 | | 4 | 291 | |
| 65503 OUAGADOUGOU | 1221N | 00131W | 306 | | 975.9 | 1009.8 | 28.8 | | 14.6 | | 1 | 10 | | 5 | 280 | 70 |
| 65505 DEDOUGOU | 1228N | 00329W | 300 | | 976.3 | 1009.5 | 29.6 | | 12.6 | | | 4 | | 0 | 273 | |
| 65507 FADA N' GOURMA | 1202N | 00022E | 309 | | 975.2 | 1009.4 | 28.6 | | 14.9 | | 0 | 0 | | 1 | 279 | |
| 65510 BOBO-DIOULASSO | 1110N | 00419W | 460 | | 958.4 | 1009.5 | 28.2 | | 16.5 | | 2 | 15 | | 5 | 254 | 90 |
| 65516 BOROMO | 1145N | 00256W | 271 | | 979.3 | 1009.4 | 28.4 | | 15.1 | | 1 | 9 | | 5 | 273 | |
| 65518 PO | 1109N | 00109W | 322 | | 973.0 | 1008.8 | 28.0 | | 16.1 | | 0 | 0 | | 4 | 266 | |
| 65522 GAOUA | 1020N | 00311W | 335 | | 977.1 | 1009.6 | 27.2 | | 20.8 | | 2 | 244 | | 5 | 255 | 90 |
| COTE D'IVOIRE | | | | | | | | | | | | | | | | |
| 65545 BONDOKOU | 0803N | 00247W | 370 | | 968.8 | 1010.3 | 26.6 | .6 | 26.5 | 1.0 | | 22 | -9 | 3 | | |
| 65557 GAGNOA | 0608N | 00557W | 210 | | 987.0 | 1010.7 | 26.0 | -.5 | 29.0 | 1.2 | 8 | 217 | 121 | 5 | | |
| 65592 TABOU | 0425N | 00722W | 21 | | 1008.7 | 1011.0 | 26.3 | .5 | 30.4 | -.2 | 10 | 158 | -20 | 3 | 209 | 100 |
| 65599 SASSANDRA | 0457N | 00605W | 66 | | 1002.9 | 1005.3 | 26.4 | .2 | 30.1 | .7 | 9 | 115 | -4 | 3 | 225 | 100 |
| COMOROS | | | | | | | | | | | | | | | | |
| 67005 DZAOUZI/PAMANZI (MAYOTTE) | 1248S | 04517E | 7 | | 1011.3 | 1013.4 | 27.0 | | 28.2 | | 9 | 186 | | 6 | 193 | |
| MADAGASCAR | | | | | | | | | | | | | | | | |
| 67009 DIEGO-SUAREZ | 1221S | 04918E | 105 | | 1001.3 | 1013.2 | 26.4 | .1 | 23.4 | -.5 | 3 | 13 | -41 | | | |
| 67073 MAINTIRANO | 1803S | 04402E | 23 | | 1011.1 | 1013.7 | | | | | 4 | 41 | -8 | 4 | | |
| 67083 ANTANANARIVO/IVATO | 1848S | 04729E | 1276 | | 876.1 | 1534 Y | 19.5 | -.2 | 16.8 | -.4 | 10 | 124 | -63 | 2 | 220 | 95 |
| 67161 TULEAR | 2323S | 04344E | 8 | | 1012.4 | 1013.3 | 26.9 | 1.6 | 19.5 | 1.7 | 2 | 37 | 16 | 4 | | |
| NAMIBIA | | | | | | | | | | | | | | | | |
| 68014 GROOTFONTEIN | 1936S | 01807E | 1400 | | 849.9 | | 24.8 | | 14.0 | | 7 | 16 | -32 | | | |
| 68112 J.G.STRIJDOM | 2229S | 01728E | 1700 | | 833.9 | | 22.8 | | 11.4 | | | | | | | |
| SOUTH AFRICA | | | | | | | | | | | | | | | | |
| 68174 PIETERSBURG | 2350S | 02925E | 1237 | | 880.9 | 1537 Y | 23.7 | | 14.5 | | 4 | 32 | 24 | 1 | 269 | 114 |
| 68242 MMABATHO | 2547S | 02532E | 1251 | | 874.4 | 1529 Y | 25.8 | | 11.0 | | 4 | 17 | | | 301 | |
| 68262 PRETORIA | 2544S | 02811E | 1306 | | 871.6 | 1529 Y | 24.5 | | 15.6 | | 10 | 71 | 61 | 2 | 275 | 109 |
| NAMIBIA | | | | | | | | | | | | | | | | |
| 68312 KEETMANSHOOP | 2632S | 01807E | 1100 | | 890.6 | | 26.9 | | 11.1 | | 2 | 23 | 13 | 1 | 300 | 119 |
| SOUTH AFRICA | | | | | | | | | | | | | | | | |
| 68368 JOHANNESBURG INT. AIRPORT | 2608S | 02814E | 1720 | | 833.3 | 1524 Y | 20.9 | | 12.6 | | 13 | 114 | 103 | 3 | 263 | 106 |
| 68424 UPINGTON | 2842S | 02127E | 850 | | 918.1 | 1522 Y | 27.8 | | 9.7 | | 2 | 3 | 2 | 2 | 310 | 90 |
| 68438 KIMBERLEY | 2848S | 02446E | 1196 | | 881.2 | 1512 Y | 25.2 | | 10.8 | | 2 | 9 | 5 | 1 | 307 | 99 |
| 68442 BLOEMFONTEIN AIRPORT | 2911S | 02630E | 1359 | | 866.0 | 1514 Y | 23.2 | | 10.3 | | 3 | 19 | 14 | 1 | 298 | 101 |
| 68461 BETHLEHEM | 2825S | 02833E | 1690 | | 834.2 | 1526 Y | 19.9 | | 13.2 | | 10 | 59 | 2 | 2 | 287 | |
| 68512 SPRINGBOK | 2967S | 01790E | 1007 | | 902.4 | 1525 Y | 21.4 | | 9.7 | | 0 | T | | 3 | 359 | |
| 68538 DE AAR | 3065S | 02400E | 1287 | | 871.6 | 1505 Y | 24.4 | | 10.7 | | 1 | 3 | | 1 | 325 | |
| 68588 DURBAN INTNL. AIRPORT | 2958S | 03095E | 14 | | 1012.8 | 1014.5 | 23.1 | | 22.7 | | 10 | 51 | 41 | 1 | 186 | 112 |
| 68618 CALVINIA | 3128S | 01946E | 975 | | 905.2 | 1522 Y | 20.8 | | 9.3 | | 0 | T | | 2 | 371 | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 68816 CAPE TOWN INTNL. AIRPORT | 3397S | 01860E | 46 | | 1010.3 | 1015.2 | 19.8 | | 15.6 | | 1 | 3 | 2 | 2 | 335 | 108 |
| 68828 GEORGE AIRPORT | 3401S | 02223E | 190 | | 993.1 | 1015.5 | 19.1 | | 17.0 | | 4 | 21 | | | 225 | |
| 68842 PORT ELIZABETH | 3398S | 02562E | 69 | | 1007.5 | 1014.8 | 20.4 | | 17.8 | | 4 | 21 | 17 | 2 | 252 | 101 |
| 68858 EAST LONDON | 3302S | 02750E | 125 | | 1001.4 | 1015.0 | 21.1 | | 19.2 | | 8 | 40 | 29 | 1 | 215 | 100 |
| 68906 GOUGH ISLAND | 4021S | 00953W | 54 | | 1003.2 | 1009.8 | 12.1 | | 11.3 | | 21 | 292 | 266 | 4 | 150 | 93 |
| N AMERICA | | | | | | | | | | | | | | | | |
| USA (ALASKA) | | | | | | | | | | | | | | | | |
| 70026 BARROW/W. POST W. ROGERS | 7118N | 15647W | 4 | | | 1008.0 | -16.6 | 2.1 | | | 5 | 7 | 1 | 5 | | |
| 70133 KOTZEBUE, RALPH WIEN | 6652N | 16238W | 5 | | | 1001.0 | -10.5 | 2.9 | 2.7 | | 3 | 11 | -4 | 3 | | |
| 70200 NOME | 6430N | 16526W | 7 | | | 996.9 | -4.9 | 4.0 | 3.7 | | 10 | 35 | 9 | 4 | | |
| 70219 BETHEL/BETHEL AIRPORT, AK. | 6047N | 16148W | 46 | | | 996.7 | -4.8 | 3.6 | 4.1 | | 11 | 54 | 27 | 5 | | |
| 70231 MCGRATH | 6258N | 15537W | 103 | | | 1002.1 | -9.2 | 6.1 | | | 12 | 44 | 12 | 4 | | |
| 70249 PUNTILLA | 6206N | 15245W | 560 | | | | -7.4 | | | | 0 | T | | | | |
| 70251 TALKEETNA | 6218N | 15006W | 109 | | | 1003.2 | -3.0 | 5.6 | | | 9 | 112 | 69 | 5 | | |
| 70261 FAIRBANKS/INT. | 6449N | 14752W | 138 | | | 1005.5 | -13.9 | 2.4 | | | 5 | 16 | -4 | 6 | | |
| 70273 ANCHORAGE/INT. | 6110N | 15001W | 40 | | | 1002.5 | -1.7 | 4.3 | | | 12 | 67 | 39 | 5 | | |
| 70308 ST. PAUL | 5709N | 17013W | 9 | | | 993.4 | 1.2 | .6 | 5.8 | | 25 | 93 | 22 | 5 | | |
| 70316 COLD BAY | 5512N | 16243W | 31 | | | 997.3 | 2.1 | .8 | 6.0 | | 22 | 172 | 66 | 5 | | |
| 70326 KING SALMON | 5841N | 15639W | 15 | | | 998.1 | -1.2 | 4.2 | 6.5 | | 16 | 65 | 28 | 5 | | |
| 70341 HOMER/MUNICIPAL | 5938N | 15130W | 22 | | | 1001.3 | 1.5 | 3.4 | 6.5 | | 15 | 68 | 2 | 4 | | |
| 70361 YAKUTAT | 5931N | 13940W | 9 | | | 1007.4 | 2.2 | 2.6 | 6.5 | | 26 | 345 | -23 | 6 | | |
| 70398 ANNETTE ISLAND | 5502N | 13134W | 34 | | | 1015.1 | 4.8 | .7 | 7.4 | | 23 | 308 | 12 | 3 | | |
| USA | | | | | | | | | | | | | | | | |
| 72201 KEY WEST/INT., FL. | 2433N | 08145W | 6 | | | 1018.0 | 25.2 | 1.0 | 21.6 | | 4 | 58 | -14 | 3 | | |
| 72202 MIAMI, FL. | 2549N | 08017W | 4 | | | 1018.6 | 23.9 | .8 | 21.0 | | 3 | 9 | -58 | 1 | | |
| 72203 WEST PALM BEACH/INT., FL. | 2641N | 08006W | 6 | | | 1018.9 | 22.9 | .5 | 20.6 | | 4 | 30 | -89 | 2 | | |
| 72205 ORLANDO/JETPORT, FL. | 2826N | 08119W | 32 | | | 1019.5 | 21.1 | 1.1 | 17.9 | | 6 | 55 | -3 | 4 | | |
| 72206 JACKSONVILLE/INTNL., FL. | 3030N | 08142W | 9 | | | 1020.4 | 17.9 | 1.3 | 16.5 | | 4 | 74 | 19 | 4 | | |
| 72207 SAVANNAH/MUNICIPAL, GA. | 3208N | 08112W | 15 | | | 1021.3 | 15.8 | .7 | 14.6 | | 3 | 28 | -27 | 6 | | |
| 72208 CHARLESTON/MUN., SC. | 3254N | 08002W | 15 | | | 1021.3 | 15.4 | .7 | 14.0 | | 3 | 36 | -27 | 2 | | |
| 72211 TAMPA/INT., FL. | 2758N | 08232W | 3 | | | 1019.5 | 21.1 | 1.4 | 17.4 | | 6 | 19 | -26 | 2 | | |
| 72214 TALLAHASSEE/MUN., FL. | 3023N | 08422W | 21 | | | 1020.4 | 16.9 | 1.5 | 16.2 | | 6 | 66 | -32 | 4 | | |
| 72217 MACON/LEWIS B. WILSON, GA. | 3242N | 08339W | 110 | | | 1021.1 | 15.0 | 1.7 | 12.6 | | 10 | 94 | 25 | 5 | | |
| 72218 AUGUSTA/BUSH FIELD, GA. | 3322N | 08158W | 45 | | | 1021.3 | 13.3 | .5 | 13.3 | | 5 | 94 | 31 | 5 | | |
| 72219 ATLANTA/MUN., GA. | 3339N | 08425W | 315 | | | 1021.2 | 13.5 | 1.8 | 11.4 | | 13 | 184 | 86 | 6 | | |
| 72223 MOBILE/BATES FIELD, AL. | 3041N | 08815W | 67 | | | 1019.8 | 17.0 | 1.6 | 16.2 | | 11 | 215 | 111 | 5 | | |
| 72226 MONTGOMERY/DANNELLY, AL. | 3218N | 08624W | 62 | | | 1020.3 | 16.5 | 2.8 | 13.4 | | 12 | 176 | 73 | 6 | | |
| 72231 NEW ORLEANS/MOISANT INT., LA | 2959N | 09015W | 9 | | | 1019.3 | 18.5 | 2.3 | 18.6 | | 11 | 189 | 77 | 5 | | |
| 72234 MERIDIAN/KEY, MS. | 3220N | 08845W | 94 | | | 1019.9 | 15.0 | | 14.3 | | 12 | 270 | | 6 | | |
| 72235 JACKSON/ALLEN C. THOMP., MS. | 3219N | 09005W | 101 | | | 1019.7 | 15.0 | 1.8 | 13.7 | | 13 | 207 | 85 | 5 | | |
| 72240 LAKE CHARLES/MUN., LA. | 3007N | 09313W | 10 | | | 1019.2 | 17.6 | 1.8 | 15.7 | | 11 | 180 | 72 | 5 | | |
| 72242 GALVESTON, TX. | 2918N | 09448W | 16 | | | 1018.4 | 19.3 | 1.4 | 17.6 | | 9 | 198 | 113 | 6 | | |
| 72243 HOUSTON/INTERCONTI- NENTAL, | 2958N | 09521W | 33 | | | 1018.4 | 16.7 | .6 | 15.9 | | 10 | 298 | 202 | 6 | | |
| 72248 SHREVEPORT/REG., LA. | 3228N | 09347W | 79 | | | 1018.7 | 14.8 | 1.1 | 13.7 | | 13 | 182 | 69 | 5 | | |
| 72250 BROWNSVILLE/INT., TX. | 2555N | 09725W | 7 | | | 1016.8 | 22.1 | 1.7 | 19.3 | | 6 | 46 | 8 | 6 | | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 72251 CORPUS CHRISTI/INT., TX. | 2746N | 09730W | 13 | | | 1017.2 | 19.8 | 1.1 | 18.2 | | 6 | 32 | -8 | 3 | | |
| 72253 SAN ANTONIO/INT., TX. | 2932N | 09828W | 242 | | | 1017.3 | 16.2 | .4 | 14.8 | | 11 | 240 | 174 | 6 | | |
| 72254 AUSTIN/ROBERT MUELLER., TX. | 3018N | 09742W | 189 | | | 1018.2 | 15.0 | -1.1 | 12.4 | | 10 | 358 | 298 | 6 | | |
| 72255 VICTORIA/VICTORIA REG., TX. | 2851N | 09655W | 36 | | | 1018.1 | 17.4 | .2 | 17.3 | | 13 | 410 | 348 | 6 | | |
| 72256 WACO,MADISON-COOPER, TX. | 3137N | 09713W | 155 | | | 1018.5 | 14.5 | .2 | 13.7 | | 11 | 247 | 186 | 6 | | |
| 72259 DALLAS-FORT WORTH/FORT., TX. | 3254N | 09702W | 182 | | | 1018.2 | 14.0 | .6 | 12.1 | | 12 | 127 | 69 | 5 | | |
| 72263 SAN ANGELO/MATHIS, TX. | 3122N | 10030W | 582 | | | 1018.8 | 12.1 | -.9 | 10.7 | | 9 | 132 | 105 | 6 | | |
| 72265 MIDLAND/MIDLAND REG., TX. | 3157N | 10211W | 872 | | | 1017.5 | 10.3 | -1.1 | 8.8 | | 9 | 139 | 122 | 6 | | |
| 72266 ABILENE/MUN., TX. | 3225N | 09941W | 546 | | | 1018.4 | 11.7 | -1.0 | 11.2 | | 9 | 130 | 93 | 6 | | |
| 72267 LUBBOCK/LUBBOCK INTL, TX. | 3339N | 10149W | 988 | | | 1018.1 | 8.4 | -1.5 | 8.9 | | 9 | 169 | 150 | 6 | | |
| 72270 EL PASO/INT., TX. | 3148N | 10624W | 1194 | | | 1016.8 | 10.3 | -1.0 | 7.1 | | 6 | 51 | 40 | 6 | | |
| 72274 TUCSON/INT., AZ. | 3207N | 11056W | 779 | | | 1016.2 | 13.6 | -1.5 | 7.2 | | 2 | 11 | -6 | 3 | | |
| 72278 PHOENIX/SKY HARBOR INTL, AZ. | 3326N | 11201W | 337 | | | 1016.3 | 16.1 | -.5 | 8.6 | | 3 | 13 | -3 | 4 | | |
| 72290 SAN DIEGO/LINDBERGH, CA. | 3244N | 11710W | 9 | | | 1018.7 | 15.6 | -1.1 | 11.5 | | 3 | 8 | -28 | 2 | | |
| 72295 LOS ANGELES/INT., CA. | 3356N | 11824W | 32 | | | 1018.3 | 15.0 | -1.4 | 6.5 | | 1 | 3 | -41 | 2 | | |
| 72304 CAPE HATTERAS, NC. | 3516N | 07533W | 3 | | | | 14.7 | .8 | | | 8 | 108 | -18 | 3 | | |
| 72306 RALEIGH/RALEIGH-DURHAM, NC. | 3552N | 07847W | 134 | | | 1021.8 | 11.9 | 1.2 | 10.2 | | 7 | 99 | 24 | 4 | | |
| 72308 NORFOLK/INT., VA. | 3654N | 07612W | 9 | | | 1021.1 | 11.8 | .4 | 11.4 | | 7 | 68 | -4 | 3 | | |
| 72310 COLUMBIA, SC. | 3357N | 08107W | 69 | | | 1021.4 | 13.4 | .8 | 12.1 | | 8 | 59 | -14 | 3 | | |
| 72312 GREENVILLE/SPATANBURG, SC | 3454N | 08213W | 296 | | | 1020.7 | 12.1 | 1.2 | 11.6 | | 11 | 90 | -2 | 3 | | |
| 72314 CHARLOTTE/DOUGLAS, NC. | 3513N | 08056W | 234 | | | 1021.5 | 11.6 | .4 | 10.6 | | 9 | 80 | -2 | 6 | | |
| 72315 ASHEVILLE/MUN., NC | 3526N | 08233W | 661 | | | 1021.3 | 10.4 | 1.8 | 9.6 | | 12 | 128 | 37 | 5 | | |
| 72317 GREENSBORO/G.-HIGH PT., NC. | 3605N | 07957W | 270 | | | 1021.5 | 11.3 | 1.6 | 9.9 | | 9 | 117 | 42 | 5 | | |
| 72324 CHATTANOOGA/LOVELL FIELD, TN | 3502N | 08512W | 210 | | | 1021.3 | 12.3 | 2.0 | 11.2 | | 12 | 193 | 76 | 5 | | |
| 72326 KNOXVILLE/MUN., TN. | 3549N | 08359W | 299 | | | 1020.7 | 11.8 | 2.5 | 10.7 | | 9 | 152 | 57 | 5 | | |
| 72327 NASHVILLE/METROPOLITAN, TN. | 3607N | 08641W | 180 | | | 1020.5 | 12.0 | 2.0 | 10.4 | | 11 | 132 | 28 | 5 | | |
| 72340 NORTH LITTLE ROCK/MUNICIPAL | 3450N | 09215W | 165 | | | | 12.1 | | | | 13 | 262 | | 5 | | |
| 72344 FORT SMITH/MUN., AR. | 3520N | 09422W | 141 | | | 1019.2 | 12.2 | 1.9 | 10.9 | | 11 | 201 | 100 | 5 | | |
| 72351 WICHITA FALLS/SHEPS AFB TX | 3358N | 09829W | 314 | | | 1018.3 | 12.0 | .7 | 12.3 | | 12 | 174 | 135 | 6 | | |
| 72360 CLAYTON/MUN., NM. | 3627N | 10309W | 1515 | | | 1019.0 | 4.6 | -1.4 | 5.7 | | 6 | 52 | 39 | 5 | | |
| 72365 ALBUQUERQUE/INT.,NM. | 3503N | 10637W | 1620 | | | 1018.1 | 7.1 | .3 | 6.1 | | 4 | 35 | 25 | 5 | | |
| 72386 LAS VEGAS/MCCARRAN, NV. | 3605N | 11510W | 664 | | | 1018.3 | 12.1 | -.7 | 6.5 | | 4 | 43 | 33 | 5 | | |
| 72389 FRESNO/AIR TERM., CA. | 3646N | 11943W | 100 | | | 1020.3 | 11.0 | -1.0 | 6.5 | | 5 | 21 | -13 | 3 | | |
| 72401 RICHMOND/BYRD, VA. | 3730N | 07720W | 54 | | | 1021.8 | 11.4 | 1.6 | 9.5 | | 9 | 83 | 3 | 3 | | |
| 72405 WASHINGTON/NAT., VA. | 3851N | 07702W | 20 | | | 1021.8 | 10.5 | .6 | 8.3 | | 8 | 115 | 36 | 5 | | |
| 72406 BALTIMORE/BALTIMORE-WASHINGT | 3911N | 07640W | 47 | | | 1021.3 | 9.1 | .9 | 7.9 | | 8 | 128 | 44 | 5 | | |
| 72407 ATLANTIC CITY, NJ. | 3927N | 07434W | 20 | | | 1021.2 | 8.1 | .4 | 8.1 | | 9 | 112 | 22 | 4 | | |
| 72408 PHILADELPHIA/INT., PA. | 3953N | 07515W | 9 | | | 1021.2 | 8.8 | .8 | 7.7 | | 7 | 116 | 32 | 4 | | |
| 72411 ROANOKE/MUN., VA. | 3719N | 07958W | 358 | | | 1021.4 | 10.8 | 2.2 | 8.6 | | 6 | 108 | 27 | 5 | | |
| 72412 BECKLEY (RALEIGH CTY. MUN), WV. | 3747N | 08107W | 766 | | | 1021.5 | 8.0 | 1.7 | 8.3 | | 12 | 94 | 19 | 4 | | |
| 72414 CHARLESTON/KANAWHA., WV. | 3822N | 08136W | 299 | | | 1021.3 | 9.9 | 1.7 | 8.5 | | 12 | 109 | 18 | 6 | | |
| 72421 CINCINNATI/GREATER CIN., OH. | 3903N | 08440W | 267 | | | 1020.7 | 8.6 | 1.8 | 9.1 | | 12 | 136 | 49 | 5 | | |
| 72422 LEXINGTON/BLUE GRASS, KY. | 3802N | 08436W | 301 | | | 1020.9 | 9.4 | | 10.5 | | 12 | 186 | | 6 | | |
| 72423 LOUISVILLE/STANDIFORD, KY. | 3811N | 08544W | 149 | | | 1020.7 | 10.7 | 2.3 | 10.2 | | 10 | 169 | 75 | 5 | | |
| 72425 HUNTINGTON, WV | 3822N | 08233W | 255 | | | 1020.9 | 10.2 | 2.1 | 9.1 | | 12 | 151 | 68 | 5 | | |
| 72428 COLUMBUS/PORT COLUMBUS, OH. | 4000N | 08352W | 254 | | | 1021.1 | 7.9 | 1.8 | 8.6 | | 14 | 105 | 24 | 6 | | |
| 72429 DAYTON/. COX, OH | 3952N | 08407E | 306 | | | 1021.5 | 7.2 | 1.1 | 8.7 | | 11 | 81 | 3 | 4 | | |
| 72432 EVANSVILLE/REG., IN. | 3803N | 08732W | 118 | | | 1020.7 | 10.1 | 2.2 | 10.6 | | 12 | 159 | 65 | 5 | | |
| 72434 ST. LOUIS/LAMBERT, ST., MO. | 3845N | 09022W | 172 | | | 1020.3 | 9.6 | 1.7 | 9.5 | | 13 | 146 | 63 | 6 | | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|----------------|----------------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | O _c | O _c | mb | mb | | mm | mm | | hr | |
| 72438 INDIANAPOLIS/I.-MUN/WEI., IN. | 3944N | 08616W | 246 | | | 1020.7 | 8.2 | 2.1 | 9.0 | | 12 | 131 | 49 | 5 | | |
| 72439 SPRINGFIELD/CAPITAL, IL. | 3951N | 08940W | 187 | | | 1020.8 | 7.6 | 1.5 | 8.5 | | 12 | 125 | 61 | 5 | | |
| 72445 COLUMBIA/REGIONAL, MO. | 3849N | 09213W | 274 | | | 1020.4 | 8.2 | 1.5 | 9.2 | | 14 | 138 | 64 | 6 | | |
| 72476 GRAND JUNCTION/WALKER F., CO. | 3907N | 10832W | 1475 | | | 1021.2 | 3.6 | -1.1 | 5.8 | | 9 | 48 | 30 | 6 | | |
| 72483 SACRAMENTO/EXECUTIVECA. | 3831N | 12130W | 8 | | | 1020.3 | 10.7 | -1.1 | 9.9 | | 9 | 70 | 1 | 4 | | |
| 72486 ELY/YELLAND, NV. | 3917N | 11451W | 1909 | | | 1021.8 | .3 | -.9 | | | 4 | 24 | 7 | 5 | | |
| 72488 RENO/INT., NV. | 3930N | 11947W | 1341 | | | 1021.9 | 4.7 | .1 | 6.5 | | 4 | 39 | 17 | 5 | | |
| 72494 SAN FRANCISCO/INTL, CA. | 3737N | 12223W | 5 | | | 1020.3 | 13.0 | .3 | 11.0 | | 5 | 31 | -41 | 3 | | |
| 72503 NEW YORK/LA GUARDIA, NY. | 4046N | 07354W | 9 | | | 1020.5 | 9.4 | .8 | 7.5 | | 7 | 96 | 0 | 3 | | |
| 72507 PROVIDENCE/GREEN STATE, RI. | 4144N | 07126W | 19 | | | 1019.8 | 6.3 | -.4 | 6.9 | | 7 | 112 | 0 | 3 | | |
| 72508 HARTFORD/BRADLEY INTL, CT. | 4156N | 07241W | 55 | | | 1019.9 | 5.7 | .2 | 6.7 | | 7 | 68 | -34 | 2 | | |
| 72509 BOSTON/LOGAN INT., MA | 4222N | 07102W | 9 | | | 1019.7 | 6.8 | -.6 | 6.6 | | 7 | 74 | -33 | 2 | | |
| 72513 WILKES-BARRE-SCRANTON, PA. | 4120N | 07544W | 289 | | | 1020.5 | 5.5 | .3 | 6.6 | | 8 | 91 | 14 | 4 | | |
| 72515 BINGHAMTON/BROOME CO., NY. | 4213N | 07559W | 497 | | | 1021.0 | 3.8 | .3 | 6.2 | | 9 | 76 | -7 | 3 | | |
| 72517 ALLENTOWN/A.-BETHLEHEM., PA. | 4039N | 07526W | 117 | | | 1020.9 | 6.9 | .7 | 7.1 | | 8 | 126 | 28 | 6 | | |
| 72519 SYRACUSE/HANCOCK, NY. | 4307N | 07607W | 124 | | | 1020.2 | 4.9 | .2 | 6.7 | | 11 | 71 | -23 | 2 | | |
| 72520 PITTSBURGH/GREATER PITT., PA. | 4030N | 08013W | 373 | | | 1022.0 | 7.7 | 2.0 | 8.1 | | 10 | 81 | 9 | 4 | | |
| 72521 AKRON/AKRON-CANTON REG., OH. | 4055N | 08126W | 377 | | | 1020.9 | 6.3 | .7 | 8.7 | | 12 | 80 | 4 | 6 | | |
| 72525 YOUNGSTOWN, OH. | 4116N | 08040W | 361 | | | 1021.1 | 5.9 | .9 | 8.0 | | 10 | 63 | -16 | 3 | | |
| 72528 BUFFALO/GREATER BUFFALO, NY. | 4256N | 07844W | 215 | | | 1020.1 | 5.7 | 1.0 | 7.3 | | 9 | 74 | -23 | 2 | | |
| 72529 ROCHESTER/R-MONROE CTY., NY. | 4307N | 07740W | 169 | | | 1020.4 | 5.0 | .3 | 7.4 | | 7 | 59 | -15 | 3 | | |
| 72530 CHICAGO/O'HARE, IL. | 4159N | 08754W | 205 | | | 1020.6 | 6.5 | 2.1 | 7.5 | | 10 | 89 | 15 | 5 | | |
| 72532 PEORIA/GREATER PEORIA, IL. | 4040N | 08941W | 202 | | | 1021.0 | 6.7 | 1.6 | 7.9 | | 10 | 103 | 35 | 6 | | |
| 72533 FORT WAYNE/MUN., BAER FL., IN. | 4100N | 08512W | 252 | | | 1021.7 | 6.3 | 1.1 | 8.4 | | 13 | 86 | 16 | 4 | | |
| 72535 SOUTH BEND/ST. JOSEPH CO., IN. | 4142N | 08619W | 236 | | | 1021.4 | 5.7 | .8 | 7.9 | | 11 | 116 | 33 | 5 | | |
| 72536 TOLEDO/EXPRESS, OH. | 4136N | 08348W | 211 | | | 1020.9 | 6.0 | 1.6 | 7.2 | | 10 | 84 | 13 | 4 | | |
| 72537 DETROIT/METROPOLITAN, MI. | 4214N | 08320W | 202 | | | 1020.7 | 6.1 | 1.5 | 7.4 | | 14 | 82 | 15 | 6 | | |
| 72544 MOLINE/QUAD CITY, IL. | 4127N | 09031W | 181 | | | 1020.8 | 6.6 | 2.4 | 7.7 | | 9 | 70 | 7 | 4 | | |
| 72546 DES MOINES/MUN., IA. | 4132N | 09339W | 294 | | | 1021.4 | 5.8 | 1.9 | 8.1 | | 7 | 64 | 19 | 5 | | |
| 72556 NORFOLK/KARL STEFAN, NE. | 4159N | 09726W | 473 | | | 1020.9 | 3.8 | 1.5 | 6.3 | | 8 | 53 | 28 | 5 | | |
| 72557 SIOUX CITY/MUN., IA. | 4224N | 09623W | 336 | | | 1022.0 | 3.8 | 1.4 | 6.7 | | 7 | 37 | 10 | 4 | | |
| 72562 NORTH PLATTE/LEE BIRD, NE. | 4108N | 10041W | 849 | | | 1021.8 | 3.2 | 1.3 | 5.3 | | 4 | 28 | 12 | 5 | | |
| 72564 CHEYENNE, WY. | 4109N | 10449W | 1872 | | | 1020.0 | 1.5 | | 3.9 | | 1 | 39 | | 3 | | |
| 72569 CASPER/NATRONA COUNTY I., WY. | 4255N | 10628W | 1612 | | | 1020.9 | .8 | .2 | 4.3 | | 2 | 14 | -5 | 6 | | |
| 72572 SALT LAKE CITY/INTL, UT. | 4047N | 11158W | 1288 | | | 1021.7 | 3.9 | -1.0 | 6.2 | | 6 | 32 | 0 | 3 | | |
| 72576 LANDER/HUNT, WY. | 4249N | 10844W | 1694 | | | 1021.1 | .1 | .5 | 4.0 | | 3 | 10 | -10 | 2 | | |
| 72578 POCATELLO/NUM., ID. | 4255N | 11236W | 1365 | | | 1024.3 | .8 | -1.2 | 6.5 | | 5 | 12 | -17 | 2 | | |
| 72583 WINNEMUCCA/MUN., NV. | 4054N | 11748W | 1322 | | | 1023.0 | 2.3 | -.9 | 6.5 | | 5 | 33 | 10 | 5 | | |
| 72594 EUREKA, CA. | 4048N | 12410W | 18 | | | | 8.6 | -2.3 | | | 7 | 48 | -115 | 1 | | |
| 72597 MEDFORD/MEDFORD- JACKSON COU | 4222N | 12252W | 405 | | | 1024.0 | 5.9 | | 8.1 | | 7 | 43 | | 3 | | |
| 72605 CONCORD/MUN., NH. | 4312N | 07130W | 105 | | | 1019.3 | 3.8 | | 5.8 | | 8 | 82 | | 3 | | |
| 72606 PORTLAND/INTNL. JET PORT, ME | 4339N | 07019W | 19 | | | 1019.2 | 3.7 | .0 | 6.0 | | 7 | 103 | -28 | 3 | | |
| 72617 BURLINGTON/INTL, VT. | 4428N | 07309W | 104 | | | 1019.7 | 2.7 | .0 | 5.7 | | 5 | 54 | -25 | 2 | | |
| 72635 GRAND RAPIDS/KENT CO., MI. | 4253N | 08531W | 245 | | | 1020.9 | 4.6 | 1.3 | 7.2 | | 12 | 102 | 18 | 4 | | |
| 72636 MUSKEGON/COUNTY, MI. | 4310N | 08615W | 193 | | | 1020.7 | 4.8 | .7 | 7.7 | | 10 | 80 | 0 | 6 | | |
| 72637 FLINT/BISHOP, MI. | 4258N | 08345W | 233 | | | 1021.3 | 4.3 | .2 | 7.5 | | 10 | 58 | -8 | 4 | | |
| 72640 MILWAUKEE/GEN. MITCHELL, WI. | 4257N | 08754W | 211 | | | 1020.7 | 5.8 | 2.6 | 7.0 | | 8 | 61 | -2 | 4 | | |
| 72641 MADISON/DANE COUNTY REGIONAL | 4308N | 08920W | 264 | | | 1020.8 | 4.5 | 2.6 | 6.6 | | 9 | 38 | -15 | 3 | | |
| 72644 ROCHESTER/MUN., MN. | 4355N | 09230W | 402 | | | 1021.3 | 2.4 | 2.1 | 5.8 | | 4 | 38 | -2 | 3 | | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 72645 GREEN BAY/A.-STRAUBEL, WI. | 4429N | 08808W | 214 | | | 1020.3 | 3.9 | 2.6 | 6.4 | | 9 | 46 | -8 | 6 | | |
| 72651 SIOUX FALLS/FOSS FIELD, SD. | 4335N | 09644W | 435 | | | 1020.6 | 3.0 | 2.4 | 5.8 | | 3 | 21 | -6 | 3 | | |
| 72654 HURON/HURON REGIONAL, SD. | 4423N | 09813W | 393 | | | 1020.7 | 3.0 | 2.8 | 5.7 | | 3 | 7 | -11 | 3 | | |
| 72658 MINNEAPOLIS/ST.PAUL INTL,MN. | 4453N | 09313W | 255 | | | 1020.7 | 3.2 | 2.5 | 5.6 | | 4 | 24 | -15 | 3 | | |
| 72662 RAPID CITY/REGIONAL AIRPORT, | 4403N | 10303W | 965 | | | 1020.6 | 2.9 | 1.3 | 4.4 | | 01 | 1 | -13 | 0 | | |
| 72666 SHERIDAN/COUNTY, WY. | 4446N | 10658W | 1209 | | | 1020.7 | 2.1 | 1.8 | 4.7 | | 2 | 5 | -16 | 1 | | |
| 72677 BILLINGS/LOGAN INT., MT. | 4548N | 10832W | 1088 | | | 1020.0 | 4.2 | 2.5 | 4.0 | | 2 | 2 | -19 | 1 | | |
| 72681 BOISE/MUN., ID. | 4334N | 11613W | 874 | | | 1024.3 | 3.6 | -8 | 6.4 | | 5 | 18 | -19 | 2 | | |
| 72688 PENDLETON, OR. | 4541N | 11851W | 456 | | | 1022.9 | 6.1 | .8 | 6.5 | | 7 | 22 | -18 | 2 | | |
| 72698 PORTLAND/INT., OR. | 4536N | 12236W | 12 | | | 1024.2 | 7.7 | -1 | 9.0 | | 12 | 61 | -74 | 1 | | |
| 72712 CARIBOU/MUN., ME. | 4652N | 06801W | 190 | | | 1017.7 | -1.2 | -5 | 4.9 | | 7 | 83 | -7 | 3 | | |
| 72734 SAULT STE. MARIE, MI. | 4628N | 08422W | 221 | | | 1018.1 | 2.3 | 1.7 | 5.9 | | 11 | 74 | -13 | 3 | | |
| 72745 DULUTH/INT., MN. | 4650N | 09211W | 432 | | | 1019.6 | .8 | 2.8 | 5.0 | | 5 | 12 | -33 | 1 | | |
| 72747 INT.FALLS/FALLS INT.MN. | 4834N | 09323W | 361 | | | 1018.8 | -7 | 3.2 | 4.5 | | 4 | 8 | -21 | 1 | | |
| 72753 FARGO/HECTOR FIELD, ND. | 4654N | 09648W | 274 | | | 1019.9 | 1.2 | 3.4 | 5.3 | | 1 | 1 | -17 | 1 | | |
| 72764 BISMARCK/MUN.,ND. | 4646N | 10045W | 506 | | | 1019.6 | 1.7 | 3.6 | 4.6 | | 1 | 4 | -8 | 2 | | |
| 72767 WILLISTON/SLOULIN FIELD, ND. | 4811N | 10338W | 581 | | | 1019.9 | .5 | 3.2 | 4.6 | | 2 | 3 | -8 | 1 | | |
| 72768 GLASGOW/INTL, MT. | 4813N | 10637W | 700 | | | 1019.6 | .5 | 2.1 | 4.5 | | 4 | 9 | 2 | 4 | | |
| 72772 HELENA/COUNTY-CITY, MT. | 4636N | 11200W | 1188 | | | 1023.7 | 2.0 | 2.2 | 4.5 | | 1 | 3 | -9 | 1 | | |
| 72773 MISSOULA/JOHNSON-BELL F.,MT. | 4655N | 11405W | 972 | | | 1024.8 | .9 | .7 | | | 2 | 5 | -15 | 1 | | |
| 72781 YAKIMA/YAKIMA AIR TERM.,WA. | 4634N | 12032W | 325 | | | 1023.4 | 3.2 | -5 | 6.6 | | 1 | 3 | -23 | 1 | | |
| 72785 SPOKANE/INT.,WA. | 4738N | 11732W | 721 | | | 1023.0 | 2.4 | .7 | 6.4 | | 7 | 29 | -25 | 2 | | |
| 72792 OLYMPIA, WA. | 4658N | 12254W | 61 | | | 1023.4 | 6.1 | .3 | 8.6 | | 10 | 99 | -105 | 6 | | |
| 72797 QUILLAYUTE, WA. | 4757N | 12433W | 62 | | | 1022.5 | 7.4 | | 9.2 | | 21 | 334 | | 3 | | |
| CANADA | | | | | | | | | | | | | | | | |
| 71043 NORMAN WELLS, N.W.T. | 6517N | 12648W | 74 | | | 1001.8 | 1011.5 | -17.0 | 2.7 | 1.3 | 7 | 12 | -5 | 2 | 10 | |
| 71066 HIGH LEVEL, ALTA | 5837N | 11710W | 338 | | | 969.9 | 1012.6 | -10.1 | 2.7 | 2.7 | 3 | 16 | -13 | 2 | | |
| 71069 SLAVE LAKE, ALTA | 5518N | 11447W | 581 | | | 943.2 | 1014.0 | -.9 | 5.5 | 4.0 | 3 | 11 | -8 | 2 | | |
| 71078 LYNN LAKE, MAN. | 5652N | 10105W | 357 | | | 968.9 | 1013.9 | -11.1 | 1.4 | 2.5 | 9 | 31 | 0 | 4 | 79 | 150 |
| 71079 THOMPSON WEATHER OFFICE-MAN. | 5548N | 09751W | 204 | | | 985.6 | 1014.2 | -11.0 | .8 | 2.9 | 11 | 47 | 14 | 5 | | |
| 71095 POND INLET, N.W.T. | 7242N | 07758W | 55 | | | 1003.2 | 1010.7 | -22.8 | | .8 | 3 | 11 | | 2 | | |
| 71101 SANDSPIT,B.C. | 5315N | 13149W | 6 | | | 1014.7 | 1015.5 | 6.5 | 1.2 | 7.6 | 18 | 166 | -23 | 3 | | |
| 71109 PORT HARDY,B.C. | 5041N | 12722W | 22 | | | 1017.2 | 1019.9 | 6.6 | 1.4 | 9.1 | 22 | 499 | 233 | 5 | | |
| 71197 PORT-AUX-BASQUES, NFLD. | 4734N | 05910W | 40 | | | 1009.8 | 1014.8 | 2.8 | -2 | 5.4 | 14 | 105 | -48 | 1 | | |
| 71600 SABLE ISLAND,N.S. | 4356N | 06001W | 4 | | | 1015.8 | 1016.4 | 6.5 | -5 | 7.0 | 11 | 96 | -50 | 1 | | |
| 71603 YARMOUTH, N.S. | 4350N | 06605W | 43 | | | 1012.8 | 1018.1 | 3.6 | -1.2 | 6.9 | 11 | 194 | 60 | 5 | 115 | 120 |
| 71727 BAGOTVILLE,QUE. | 4820N | 07100W | 159 | | | 997.6 | 1017.5 | -2.0 | .3 | 4.7 | 12 | 71 | -7 | 3 | | |
| 71803 GANDER INT.AIRPORT, NFLD. | 4857N | 05434W | 151 | | | 995.2 | 1013.9 | 1.8 | .4 | 5.9 | 20 | 179 | 71 | 5 | 58 | 80 |
| 71813 NATASHQUAN,QUE. | 5011N | 06149W | 11 | | | 1013.0 | 1014.4 | -1.8 | -.4 | 4.6 | 13 | 121 | 3 | 4 | | |
| 71816 GOOSE,NFLD. | 5319N | 06025W | 49 | | | 1007.5 | 1013.7 | -4.8 | -.8 | 3.6 | 10 | 61 | -18 | 2 | 78 | 100 |
| 71827 LA GRANDE RIVIERE, QUE | 5338N | 07742W | 195 | | | 986.8 | 1011.4 | -4.7 | | 4.0 | 16 | 77 | | 4 | | |
| 71828 SCHEFFERVILLE,QUE. | 5448N | 06648W | 518 | | | 947.7 | 1012.6 | -8.4 | .7 | 2.9 | 15 | 67 | -1 | 3 | | |
| 71842 SIOUX LOOKOUT,ONT. | 5007N | 09154W | 390 | | | 968.9 | 1017.2 | -1.5 | 3.7 | 4.5 | 10 | 30 | -18 | 2 | | |
| 71867 THE PAS, MAN. | 5358N | 10106W | 271 | | | 980.9 | 1014.8 | -4.3 | 3.4 | 3.8 | 6 | 12 | -14 | 2 | 94 | 120 |
| 71869 PRINCE ALBERT,SASK. | 5313N | 10541W | 428 | | | 962.6 | 1015.6 | -2.9 | 4.6 | 3.9 | 2 | 4 | -12 | 1 | | |
| 71887 KAMLOOPS,B.C. | 5042N | 12027W | 346 | | | 980.2 | 1022.7 | 3.3 | 1.6 | 6.0 | 7 | 35 | 13 | 5 | | |
| 71905 KUUJJUARAPIK, QUE. | 5517N | 07746W | 10 | | | 1008.6 | 1009.9 | -3.3 | 1.7 | 4.1 | 18 | 83 | 21 | 4 | | |
| 71906 KUUJJUAQ, QUE. | 5806N | 06825W | 37 | | | 1004.4 | 1009.4 | -6.0 | 2.3 | 3.3 | 8 | 28 | -19 | 1 | | |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 71907 INUKJUAK, QUE | 5827N | 07807W | 6 | | 1004.4 | 1007.7 | -5.5 | 1.6 | 3.7 | | 13 | 55 | 11 | 4 | | |
| 71910 CAPE DORSET, N.W.T. | 6413N | 07632W | 50 | | 1000.8 | 1007.3 | -10.9 | | 2.4 | | 8 | 44 | | 4 | | |
| 71945 FORT NELSON, B.C. | 5850N | 12235W | 382 | | 964.2 | 1012.1 | -8.7 | 4.6 | 2.7 | | 3 | 10 | -11 | 1 | | |
| 71950 SMITHERS, B.C. | 5449N | 12711W | 523 | | 954.1 | 1017.6 | -1.6 | .9 | 4.8 | | 11 | 93 | 39 | 5 | | |
| 71964 WHITEHORSE, Y.T. | 6043N | 13504W | 703 | | 923.1 | 1009.2 | -6.0 | 4.0 | 3.5 | | 7 | 26 | 8 | 5 | | |
| MEXICO | | | | | | | | | | | | | | | | |
| 76225 UNIV. DE CHIHUAHUA, CHIHUAHU | 2838N | 10605W | 1435 | | 854.1 | 1016.7 | 12.2 | | 8.4 | | 3 | 67 | | 2 | | |
| 76256 EMPALME, SON | 2755N | 11054W | 11 | | 1013.8 | 1015.2 | 19.8 | | 13.0 | | 1 | 3 | | 1 | 243 | |
| 76311 CHOIX, SIN. | 2643N | 10817W | 238 | | | 1012.8 | 20.8 | | 16.5 | | 2 | 6 | | 1 | 191 | |
| 76342 MONCLOVA, COAH. | 2653N | 10125W | 615 | | 947.0 | 1017.9 | 18.4 | | 11.0 | | 5 | 37 | | 5 | 191 | 130 |
| 76390 SALTILLO, COAH | 2527N | 10059W | 1790 | | 824.3 | 1014.9 | 14.4 | | 8.9 | | 0 | 0 | | 0 | 243 | |
| 76393 MONTERREY, N.L. | 2552N | 10012W | 512 | | 957.6 | 1016.3 | 18.4 | | 14.4 | | 4 | 26 | | 4 | 143 | |
| 76402 CIUDAD CONSTITUCION B.C.S. | 2500N | 11140W | 48 | | | 1015.8 | 19.0 | | 15.7 | | 1 | 2 | | 0 | 243 | |
| 76405 LA PAZ, B.C.S. | 2416N | 11025W | 18 | | 1013.1 | 1015.3 | 22.1 | | 16.7 | | 0 | 0 | | 0 | 252 | |
| 76423 DURANGO, DGO | 2402N | 10440W | 1872 | | 816.2 | 1014.6 | 13.7 | | 7.7 | | 2 | 20 | | 0 | 231 | |
| 76458 COLONIA JUAN CARRAS-CO MAZAT | 2312N | 10625W | 4 | | 1013.2 | 1013.7 | 23.5 | -1.2 | 20.8 | -2.0 | 2 | 90 | 67 | 5 | 245 | 102 |
| 76548 TAMPICO, TAMPS | 2213N | 09751W | 9 | | 1013.9 | 1016.9 | 24.1 | 1.5 | 21.7 | .3 | 5 | 40 | 6 | 4 | 179 | 121 |
| 76556 TEPIC, NAY | 2131N | 10454W | 922 | | 912.0 | 1013.1 | 20.3 | | 18.3 | | 1 | 1 | | 1 | 259 | |
| 76634 TULANCINGO, HGO. | 2005N | 09822W | 2181 | | 787.7 | 1019.7 | 16.2 | | 10.3 | | 1 | 9 | | 2 | 265 | |
| 76644 AEROP. INTERNACIONAL MERIDA, | 2059N | 08939W | 9 | | 1015.1 | 1016.3 | 25.9 | 1.5 | 23.5 | -1.6 | 1 | 3 | -39 | 1 | 240 | 113 |
| 76647 VALLADOLID, YUC. | 2042N | 08813W | 22 | | 1012.9 | 1015.9 | 25.5 | | 24.6 | | 2 | 30 | | 2 | 244 | |
| 76654 MANZANILLO, COL. | 1903N | 10420W | 3 | | 1011.3 | 1011.7 | 27.0 | | 27.3 | | 0 | 0 | | 0 | 267 | |
| 76665 MORELIA, MICH. | 1942N | 10111W | 1913 | | 812.9 | 1014.6 | 16.8 | .8 | 12.7 | 1.1 | 0 | 0 | -15 | 0 | 250 | 132 |
| 76675 TOLUCA, MEX | 1918N | 09940W | 2720 | | 739.1 | 1015.5 | 10.9 | | 8.7 | | 1 | 2 | | 1 | 264 | |
| 76680 MEXICO (CENTRAL), D.F. | 1924N | 09912W | 2308 | | 776.2 | 1012.0 | 15.3 | .4 | 10.4 | .8 | 1 | 3 | -3 | 3 | 270 | 136 |
| 76692 HACIENDA YLANG YLANG VER. | 1909N | 09607W | 13 | | 1014.5 | 1016.4 | 25.2 | .7 | 23.6 | -1.4 | 0 | T | -54 | 0 | 229 | 129 |
| 76698 FELIPE CARRILLO PUERTO, Q.RO | 1935N | 08802W | 20 | | 1015.3 | 1016.4 | 26.7 | | 24.7 | | 6 | 20 | | 1 | 231 | |
| 76743 VILLAHERMOSA, TAB | 1759N | 09255W | 10 | | 1014.5 | 1015.3 | 25.8 | | 29.0 | | 5 | 123 | | | 189 | |
| 76750 CHETUMAL, Q.ROO | 1829N | 08818W | 9 | | 1014.1 | 1015.1 | 25.8 | | 25.5 | | 7 | 88 | | 4 | 211 | |
| 76848 COMITAN, CHIS. | 1615N | 09208W | 1530 | | 839.0 | 1010.2 | 16.5 | | 14.1 | | 2 | 12 | | 1 | 240 | |
| 76903 TAPACHULA, CHIS. | 1455N | 09216W | 182 | | 998.6 | 1011.9 | 27.8 | | 25.5 | | 2 | 5 | | 1 | 233 | |
| BAHAMAS | | | | | | | | | | | | | | | | |
| 78073 NASSAU AIRPORT | 2503N | 07728W | 7 | | 1017.9 | 1018.7 | 24.6 | .8 | 22.3 | -1.8 | 1 | 3 | -53 | 1 | 253 | 114 |
| JAMAICA | | | | | | | | | | | | | | | | |
| 78388 MONTEGO BAY/SANGSTER | 1830N | 07755W | 8 | | 1013.6 | 1013.7 | 27.5 | | 27.8 | | 4 | 16 | | | 263 | |
| 78397 KINGSTON/NORMAN MANLEY | 1756N | 07647W | 14 | | 1011.6 | 1013.2 | 27.8 | | 22.3 | | 2 | 2 | | 1 | 288 | |
| PUERTO RICO AND US POSS | | | | | | | | | | | | | | | | |
| 78526 SAN JUAN/INTL, PUERTO RICO | 1826N | 06600W | 19 | | | 1013.7 | 26.3 | -1.4 | 26.0 | | 13 | 214 | 64 | 5 | | |
| BELIZE | | | | | | | | | | | | | | | | |
| 78583 BELIZE/PHILLIP GOLDSTON INTL | 1732N | 08818W | 5 | | 1014.5 | 1015.0 | 25.7 | .3 | 27.6 | | 16 | 229 | 47 | 5 | 217 | 120 |
| COSTA RICA | | | | | | | | | | | | | | | | |
| 78762 JUAN SANTAMARIA | 1000N | 08413W | 939 | | 908.3 | 1009.7 | 21.9 | .3 | 20.5 | | 14 | 232 | 97 | 5 | | |
| 78767 PUERTO LIMON | 1000N | 08303W | 3 | | 1010.3 | 1011.1 | 24.8 | -1.3 | 26.9 | | 22 | 697 | 330 | 5 | 100 | 68 |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | | |
|--------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|--|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. | |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | | |
| ST. MAARTEN, ST. EUST., SABA | | | | | | | | | | | | | | | | | |
| 78866 JULIANA AIRPORT, ST. MAARTEN | 1803N | 06307W | 9 | | 1013.6 | 1014.1 | 26.3 | -.6 | 28.6 | 1.1 | 17 | 274 | 144 | 5 | 217 | 94 | |
| ST. MARTIN, ST. BARTH., GUAD. | | | | | | | | | | | | | | | | | |
| 78897 LE RAIZET, GUADELOUPE | 1616N | 06131W | 11 | | 1011.2 | | 25.8 | -.5 | 25.2 | | 21 | 343 | 123 | 5 | 133 | 70 | |
| MARTINIQUE | | | | | | | | | | | | | | | | | |
| 78925 LE LAMENTIN | 1436N | 06100W | 7 | | 1011.1 | 1012.0 | 26.5 | .2 | 27.7 | -.8 | 22 | 576 | 352 | 4 | 117 | 51 | |
| BARBADOS | | | | | | | | | | | | | | | | | |
| 78954 GRANTLEY ADAMS | 1304N | 05929W | 56 | | 1005.5 | 1011.9 | 27.2 | | 29.8 | | 20 | 404 | | 6 | 177 | 50 | |
| TRINIDAD AND TOBAGO | | | | | | | | | | | | | | | | | |
| 78970 PIARCO INT. AIRPORT, TRINIDAD | 1037N | 06121W | 15 | | 1008.5 | 1011.0 | 26.8 | .9 | 30.1 | 1.9 | 19 | 267 | 40 | 4 | 181 | 92 | |
| CURACAO AND BONAIRE | | | | | | | | | | | | | | | | | |
| 78988 HATO AIRPORT, CURACAO | 1212N | 06858W | 67 | | 1010.8 | 1011.7 | 27.0 | -.7 | 30.4 | 1.0 | 18 | 347 | 251 | 6 | 162 | 71 | |
| COLOMBIA | | | | | | | | | | | | | | | | | |
| 80001 SAN ANDRES (ISLA)/SESQUICENT | 1235N | 08143W | 6 | | 1012.3 | 1012.4 | 27.3 | .0 | 30.7 | .4 | 21 | 264 | -32 | 1 | 249 | 131 | |
| 80002 PROVIDENCIA (ISLA)/EL EMBRUJ | 1322N | 08121W | 6 | | | | 27.5 | | 28.9 | | 22 | 355 | | | 176 | 95 | |
| S AMERICA | | | | | | | | | | | | | | | | | |
| COLOMBIA | | | | | | | | | | | | | | | | | |
| 80009 SANTA MARTA/SIMON BOLIVAR | 1108N | 07414W | 14 | | 1008.8 | 1009.3 | 28.4 | .6 | 28.7 | .1 | 7 | 96 | 52 | 4 | 197 | 85 | |
| 80022 CARTAGENA/RAFAEL NUNEZ | 1027N | 07531W | 12 | | 1009.3 | 1009.5 | 27.5 | -.1 | 30.6 | .3 | 10 | 336 | 204 | 4 | 207 | 99 | |
| 80028 BARRANQUILLA/ERNESTOCORTISSO | 1053N | 07447W | 30 | | 1008.0 | 1009.7 | 27.1 | -.3 | 30.1 | .2 | 5 | 108 | 29 | 4 | 206 | 106 | |
| 80084 APARTADO/LOS CEDROS | 0748N | 07642W | 20 | | | | 27.3 | | 31.5 | | 10 | 178 | | 1 | 162 | 120 | |
| 80091 BARRANCABERMEJA/YARIGUIES | 0701N | 07348W | 134 | | | | 27.7 | .4 | 29.3 | .6 | 14 | 322 | 51 | 3 | 186 | 114 | |
| 80094 BUCARAMANGA/PALONEGRO | 0706N | 07312W | 1189 | | 880.0 | | 21.0 | | 22.0 | | 13 | 160 | 49 | 4 | 169 | 115 | |
| 80097 CUCUTA/CAMILO DAZA | 0756N | 07231W | 317 | | 975.0 | 1009.0 | 26.3 | -.4 | 26.1 | -.1 | 14 | 136 | 19 | 3 | 177 | 93 | |
| 80099 ARAUCA/SANTIAGO PEREZ | 0704N | 07044W | 128 | | 988.8 | 1003.1 | 27.4 | .5 | 29.7 | .9 | 5 | 52 | -39 | 4 | 207 | 99 | |
| 80112 RIONEGRO/J. M. CORDOVA | 0608N | 07526W | 2142 | | 790.3 | | 16.4 | | 15.6 | | 18 | 290 | | 1 | 152 | 105 | |
| 80139 PUERTO CARENNO/A. GUAUQUEA | 0610N | 06730W | 55 | | | | 28.7 | .7 | 28.2 | 1.1 | 10 | 99 | -4 | 3 | 211 | 98 | |
| 80144 QUIBDO/EL CARANO | 0543N | 07637W | 53 | | | | 26.8 | .8 | 29.3 | .1 | 20 | 491 | -204 | 1 | 130 | 117 | |
| 80210 PEREIRA/MATECANA | 0449N | 07544W | 1342 | | 865.0 | | 21.6 | .7 | 19.9 | .6 | 21 | 338 | 60 | 4 | 178 | 115 | |
| 80214 IBAGUE/PERALES | 0426N | 07509W | 928 | | | | 22.5 | -.5 | 23.3 | .4 | 13 | 191 | 23 | 3 | 144 | 101 | |
| 80222 BOGOTA/ELDORADO | 0442N | 07408W | 2546 | | 751.7 | | 13.3 | -.1 | 12.9 | .2 | 13 | 119 | 31 | 1 | 109 | 82 | |
| 80234 VILLAVICENCIO/VANGUARDIA | 0410N | 07337W | 431 | | 958.4 | 1007.4 | 25.8 | .7 | 25.7 | .5 | 21 | 390 | -13 | 2 | 146 | 104 | |
| 80259 CALI/ALFONSO BONILLAARAGON | 0333N | 07623W | 969 | | 904.8 | | 23.1 | | 21.4 | | 14 | 135 | 38 | 4 | 162 | 105 | |
| 80315 NEIVA/BENITO SALAS | 0258N | 07518W | 443 | | 957.4 | 1005.9 | 26.8 | -.1 | 25.4 | .2 | 17 | 340 | 132 | 1 | 171 | 104 | |
| 80370 IPIALES/SAN LUIS | 0049N | 07738W | 2961 | | | | 11.9 | .6 | 11.5 | .4 | 14 | 65 | -50 | 1 | 113 | 97 | |
| 80398 LETICIA/VASQUEZ COBO | 0433S | 06932W | 84 | | 1001.7 | 1011.2 | 26.4 | .2 | 29.9 | .5 | 18 | 397 | 96 | 1 | 155 | 104 | |
| VENEZUELA | | | | | | | | | | | | | | | | | |
| 80403 CORO | 1125N | 06941W | 17 | | | | 27.3 | -.3 | 29.6 | | 11 | 224 | 167 | 5 | 189 | 75 | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 80407 MARACAIBO-LA CHINITA | 1034N | 07144W | 65 | | 1000.9 | 1008.4 | 26.6 | -.7 | 29.5 | | 12 | 214 | 143 | 5 | 164 | 80 |
| 80410 BARQUISIMETO | 1004N | 06919W | 614 | | 941.5 | | 24.4 | .5 | | | 9 | 183 | 135 | 6 | 198 | 89 |
| 80413 MARACAY - B.A. SUCRE | 1015N | 06739W | 437 | | 961.3 | 1010.0 | 24.4 | -.2 | 24.8 | | 8 | 58 | 6 | 3 | 208 | 85 |
| 80415 CARACAS/MAIQUETIA AEROP. INT | 1036N | 06659W | 48 | | 1005.1 | 1010.5 | 27.2 | .5 | 27.4 | | 12 | 221 | 167 | 5 | 186 | 95 |
| 80416 CARACAS/LA CARLOTA | 1030N | 06653W | 835 | | | | 22.3 | .3 | 23.2 | | 15 | 178 | 105 | 5 | 179 | 85 |
| 80419 BARCELONA | 1007N | 06441W | 7 | | 1008.7 | 1009.6 | 27.4 | .7 | 28.3 | | 10 | 87 | 43 | 5 | 220 | 86 |
| 80420 CUMANA | 1027N | 06411W | 4 | | 1009.9 | 1010.5 | 26.7 | | 27.8 | | 12 | 135 | | | 219 | 90 |
| 80421 PORLAMAR (AEROPUERTO INT. DE | 1055N | 06358W | 19 | | 1007.9 | 1010.1 | 26.5 | | 28.5 | | 14 | 176 | | | 246 | |
| 80423 GUIRIA | 1035N | 06219W | 14 | | | | 26.1 | -.8 | 25.9 | | 12 | 213 | 116 | 5 | 205 | 95 |
| 80425 MENE GRANDE | 0949N | 07056W | 28 | | | | 27.1 | .4 | 31.1 | | 13 | 119 | -28 | 3 | 155 | 76 |
| 80426 VALERA | 0921N | 07037W | 582 | | | | 24.1 | | 24.6 | | 14 | 183 | | | 130 | 85 |
| 80427 ACARIGUA | 0933N | 06914W | 225 | | | | 27.3 | 1.5 | 23.5 | | 08 | 133 | 22 | 0 | 190 | 88 |
| 80428 GUANARE | 0901N | 06944W | 163 | | | | 26.9 | 1.0 | 27.6 | | 12 | 94 | -17 | | 199 | 91 |
| 80431 SAN JUAN DE LOS MORROS | 0955N | 06720W | 429 | | | | 24.6 | | 23.1 | | 9 | 44 | | | 212 | 90 |
| 80434 VALLE DE LA PASCUA | 0913N | 06601W | 125 | | 990.4 | 1005.1 | 26.4 | | 28.8 | | 4 | 107 | | | 224 | |
| 80435 MATURIN | 0945N | 06311W | 66 | | 1002.5 | 1010.0 | 26.6 | .4 | 27.9 | | 15 | 194 | 59 | 5 | 216 | 99 |
| 80437 EL VIGIA | 0838N | 07139W | 103 | | | | 25.2 | | 26.2 | | 19 | 229 | | | 125 | |
| 80438 MERIDA | 0836N | 07111W | 1498 | | 850.2 | 1499 Y | 19.4 | .7 | 17.0 | | 19 | 260 | 65 | 4 | 171 | 86 |
| 80440 BARINAS | 0837N | 07013W | 204 | | | | 27.0 | | 25.7 | | 7 | 73 | | | 189 | |
| 80442 CALABOZO | 0856N | 06725W | 101 | | | | 28.0 | | 30.7 | | 5 | 12 | | | 235 | |
| 80444 CIUDAD BOLIVAR | 0809N | 06333W | 48 | | 1003.8 | 1008.6 | 28.7 | .8 | 31.4 | | 7 | 97 | 35 | 5 | 243 | 98 |
| 80447 SAN ANTONIO DEL TACHIRA | 0751N | 07227W | 378 | | | | 26.0 | .6 | 22.8 | | 14 | 124 | 12 | 3 | 154 | 84 |
| 80448 GUASDUALITO | 0714N | 07048W | 131 | | | | 26.3 | .3 | 29.3 | | 10 | 116 | 11 | 2 | 185 | 86 |
| 80453 TUMEREMO | 0718N | 06127W | 181 | | | | 25.6 | .3 | 28.7 | | 6 | 33 | -70 | 1 | 247 | 127 |
| 80457 PUERTO AYACUCHO | 0536N | 06730W | 74 | | 1003.5 | 1011.7 | 27.4 | .7 | 23.1 | | 14 | 135 | 8 | 3 | 198 | 89 |
| 80462 SANTA ELENA DE UAIREN | 0436N | 06107W | 907 | | | | 22.7 | 1.2 | 22.5 | | 9 | 92 | -22 | 3 | 258 | 119 |
| 80472 VALENCIA | 1010N | 06756W | 431 | | | | 25.7 | | 25.2 | | 9 | 31 | | | 203 | |
| 80475 STO. DOMINGO (B.A.) | 0735N | 07204W | 327 | | | | 25.6 | | 21.7 | | 15 | 331 | | | 160 | 100 |
| SURINAME | | | | | | | | | | | | | | | | |
| 81225 ZANDERIJ | 0527N | 05512W | 15 | | 1008.0 | 1010.4 | 27.5 | | | | 8 | 69 | | | | |
| FRENCH GUIANA | | | | | | | | | | | | | | | | |
| 81405 CAYENNE/ROCHAMBEAU | 0450N | 05222W | 9 | | 1009.5 | 1010.4 | 27.3 | | 28.4 | | 8 | 137 | -16 | 3 | 240 | 107 |
| 81408 SAINT GEORGES DE L'OYAPOCK | 0353N | 05148W | 7 | | 1009.3 | 1010.1 | 27.7 | | 27.7 | | 6 | 54 | -88 | 1 | 207 | 99 |
| 81415 MARIPASOULA | 0338N | 05402W | 106 | | 998.4 | 1010.4 | 28.5 | | 26.0 | | 4 | 0048 | -064 | 1 | 258 | 114 |
| BRAZIL | | | | | | | | | | | | | | | | |
| 82024 BOA VISTA | 0249N | 06039W | 90 | | | | 29.8 | | 28.4 | | 1 | 3 | | 1 | | |
| 82098 MACAPA | 0002N | 05103W | 15 | | 1008.6 | 1010.3 | 29.0 | 1.3 | 28.7 | | 0 | 0 | -58 | 0 | 298 | 118 |
| 82106 SAO GABRIEL DA CACHOEIRA | 0008S | 06705W | 90 | | | | 26.5 | | 30.2 | | 14 | 70 | | 1 | 116 | |
| 82113 BARCELOS | 0059S | 06255W | 40 | | | | 27.6 | 1.2 | 31.3 | | 4 | 76 | 62 | 2 | 204 | 127 |
| 82191 BELEM | 0127S | 04828W | 10 | | 1008.7 | 1009.3 | 27.4 | 1.0 | 30.2 | | 12 | 95 | -16 | 4 | 243 | 120 |
| 82212 FONTE BOA | 0232S | 06610W | 56 | | 1002.4 | 1011.0 | 27.3 | | 32.6 | | 12 | 142 | | 2 | 166 | |
| 82246 BELTERRA | 0238S | 05457W | 176 | | 991.0 | 1010.7 | 27.5 | 1.8 | 29.7 | | 0 | 0 | -77 | 0 | 247 | 122 |
| 82280 SAO LUIZ | 0232S | 04418W | 51 | | 1004.5 | 1010.3 | 27.5 | .5 | 29.0 | | 1 | 3 | -7 | 4 | 269 | 110 |
| 82287 PARNAIBA | 0305S | 04147W | 22 | | 1004.1 | 1006.8 | 28.2 | .6 | 25.2 | | | 3 | -5 | 0 | 303 | 105 |
| 82397 FORTALEZA | 0346S | 03836W | 26 | | 1008.9 | 1012.0 | 27.6 | .4 | 26.0 | | | 2 | -11 | 1 | 303 | 107 |
| 82425 COARI | 0405S | 06308W | 46 | | 1004.3 | 1009.8 | 27.9 | | 33.5 | | 13 | 250 | | 4 | 175 | |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|----------------|----------------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | O _c | O _c | mb | mb | | mm | mm | | hr | |
| 82445 ITAITUBA | 0416S | 05559W | 45 | | 1006.1 | 1011.3 | 29.5 | 2.0 | 33.2 | | 3 | 50 | -78 | 1 | 214 | 124 |
| 82533 MANICORE | 0549S | 06118W | 50 | | 1004.1 | 1009.6 | 26.9 | | 33.8 | | 9 | 140 | | 1 | 122 | |
| 82562 MARABA | 0521S | 04909W | 95 | | 998.9 | 1009.6 | 28.0 | 1.6 | 28.5 | | 4 | 92 | -60 | 1 | 139 | 125 |
| 82571 BARRA DO CORDA | 0530S | 04516W | 153 | | 992.3 | 1009.5 | 28.5 | 1.8 | 27.4 | | 5 | 18 | -59 | 1 | 200 | 129 |
| 82578 TERESINA | 0505S | 04249W | 74 | | 1000.8 | 1010.8 | 29.5 | .8 | 27.2 | | 4 | 58 | -6 | 2 | 272 | 117 |
| 82586 QUIXERAMOBIM | 0512S | 03918W | 212 | | 983.2 | 1006.3 | 28.4 | 1.6 | 23.0 | | 0 | 0 | -7 | 0 | 285 | 110 |
| 82598 NATAL | 0546S | 03512W | 45 | | 1007.5 | 1012.2 | 27.0 | | 28.8 | | 4 | 101 | | 2 | 309 | 105 |
| 82678 FLORIANO | 0646S | 04301W | 123 | | 995.3 | 1010.8 | 30.4 | .2 | 22.3 | | 5 | 0052 | -039 | 2 | 258 | 132 |
| 82704 CRUZEIRO DO SUL | 0738S | 07240W | 170 | | 985.2 | 1004.3 | 26.0 | | 29.3 | | 17 | 419 | | 6 | 85 | |
| 82723 LABREA | 0715S | 06450W | 60 | | 1001.6 | 1009.8 | 26.0 | | | | 12 | 100 | | | 71 | |
| 82765 CAROLINA | 0720S | 04728W | 192 | | 988.9 | 1012.7 | 27.6 | 1.7 | 29.5 | | 7 | 145 | -21 | 2 | 160 | 113 |
| 82784 BARBALHA | 0719S | 03918W | 409 | | 964.8 | 1011.0 | 27.5 | .7 | 22.1 | | 5 | 33 | 29 | 3 | 276 | 108 |
| 82791 PATOS | 0701S | 03716W | 249 | | 982.4 | 1009.9 | 29.3 | | 20.2 | | 0 | 0 | | 0 | 309 | 110 |
| 82825 PORTO VELHO | 0846S | 06305W | 95 | | 998.7 | 1005.6 | 26.8 | 1.1 | 29.3 | | 21 | 409 | 202 | 6 | 129 | 66 |
| 82861 CONCEICAO DO ARAGUAIA | 0815S | 04912W | 160 | | 990.3 | 1007.2 | 26.9 | 1.1 | 29.6 | | 13 | 269 | 76 | 5 | 156 | 104 |
| 82900 RECIFE (CURADO) | 0803S | 03455W | 7 | | 1012.3 | 1013.2 | 26.8 | .9 | 25.6 | | 3 | 18 | -29 | 1 | 233 | 88 |
| 82915 RIO BRANCO | 0958S | 06748W | 136 | | 991.1 | 1009.3 | 25.7 | .0 | 29.8 | | 16 | 288 | 82 | 5 | 139 | 108 |
| 82983 PETROLINA | 0923S | 04029W | 370 | | 968.9 | 1009.8 | 28.9 | .7 | 18.8 | | 1 | 70 | 20 | 1 | 269 | 106 |
| 83064 PORTO NACIONAL | 1031S | 04843W | 250 | | 982.3 | 1009.3 | 28.6 | 2.4 | 27.2 | | 3 | 110 | -108 | 1 | 180 | 109 |
| 83235 TAGUATINGA | 1216S | 04626W | 660 | | 942.4 | 1019.6 | 27.2 | 2.7 | 22.7 | | 9 | 138 | -103 | 1 | 188 | 129 |
| 83264 VERA (GLEBA CELESTE) | 1212S | 05630W | 415 | | 967.0 | 1013.1 | 26.5 | 1.7 | 27.3 | | 9 | 160 | -103 | 1 | 154 | 134 |
| 83332 POSSE | 1406S | 04622W | 950 | | | | 25.5 | 2.0 | 19.9 | | 8 | 53 | -170 | 0 | 196 | 143 |
| 83361 CUIABA | 1533S | 05607W | 179 | | 992.0 | 1012.1 | 27.2 | .0 | 27.0 | | 13 | 190 | 36 | 4 | 164 | 84 |
| 83377 BRASILIA | 1547S | 04756W | 1158 | | 885.5 | 1010.0 | 22.1 | .4 | 18.9 | | 14 | 104 | -134 | 1 | 166 | 117 |
| 83423 GOIANIA | 1641S | 04917W | 729 | | 928.8 | 1009.2 | 23.9 | -.1 | 21.6 | | 17 | 0129 | -091 | 1 | | |
| 83437 MONTES CLAROS | 1643S | 04352W | 646 | | 939.2 | 1009.8 | 25.2 | 1.8 | 19.1 | | 9 | 99 | -112 | 1 | 199 | 124 |
| 83492 TEOFILLO OTONI | 1751S | 04130W | 356 | | 973.0 | 1011.1 | 24.9 | 1.3 | 22.1 | | 7 | 83 | -97 | 1 | 155 | 114 |
| 83579 ARAXA | 1934S | 04656W | 1004 | | 900.8 | 1011.1 | 22.1 | .8 | 19.6 | | 16 | 173 | -35 | 2 | 187 | 106 |
| 83587 BELO HORIZONTE | 1950S | 04356W | 850 | | 911.2 | 1010.2 | 23.3 | 1.1 | 18.2 | | 2 | 157 | -70 | 2 | 213 | 118 |
| 83592 CARATINGA | 1948S | 04209W | 609 | | 944.9 | 1012.4 | 23.5 | .9 | 20.2 | | 7 | 0094 | -094 | 1 | 188 | 121 |
| 83618 TRES LAGOAS | 2047S | 05138W | 313 | | | | 26.3 | .5 | | | 10 | 180 | 45 | 3 | 224 | 107 |
| 83676 CATANDUVA | 2108S | 04858W | 536 | | | | 24.8 | .2 | | | 10 | 124 | -9 | 3 | 174 | 81 |
| 83702 PONTA PORA | 2232S | 05544W | 650 | | 935.7 | 1011.1 | 22.5 | -.3 | 20.3 | | 8 | 193 | -19 | 3 | 196 | 89 |
| 83781 SAO PAULO | 2330S | 04637W | 792 | | 924.1 | 1012.4 | 21.0 | .7 | 18.4 | | 10 | 174 | 29 | 4 | | |
| PERU | | | | | | | | | | | | | | | | |
| 84370 TUMBES | 0333S | 08024W | 27 | | 1007.7 | 1009.7 | 24.7 | | 22.3 | | | | | | | |
| 84401 PIURA | 0511S | 08036W | 55 | | 1008.8 | 1015.6 | 22.7 | | 20.9 | | 1 | 2 | 1 | 5 | | |
| 84452 CHICLAYO | 0647S | 07950W | 34 | | 1012.6 | 1015.7 | 21.0 | | 18.5 | | | | | | | |
| 84455 TARAPOTO | 0627S | 07623W | 282 | | 980.1 | 1015.0 | 28.5 | | 28.0 | | 8 | 101 | 5 | 4 | | |
| 84501 TRUJILLO | 0806S | 07902W | 30 | | 1011.1 | 1015.2 | 19.9 | | | | | | | | | |
| 84515 PUCALLPA | 0825S | 07436W | 149 | | 991.7 | 1009.2 | 26.6 | | 27.8 | | 10 | 228 | | 4 | | |
| 84628 LIMA-CALLAO/AEROP. INTERNACI | 1200S | 07707W | 13 | | 1011.9 | 1013.5 | 19.3 | | 18.4 | | | | | | 79 | |
| 84686 CUZCO | 1333S | 07159W | 3249 | | 687.3 | | 13.7 | | 8.6 | | 11 | 50 | -28 | 1 | | |
| 84691 PISCO | 1345S | 07617W | 7 | | 1011.6 | 1012.3 | 19.6 | | 18.5 | | | | | | | |
| 84735 JULIACA | 1529S | 07009W | 3826 | | 642.5 | | 13.1 | | 7.9 | | 6 | 36 | -19 | 2 | | |
| 84752 AREQUIPA | 1619S | 07133W | 2539 | | 753.3 | | 15.8 | | 6.4 | | | | | | | |
| 84782 TACNA | 1804S | 07018W | 469 | | 962.9 | 1013.6 | 18.8 | | 14.1 | | | | | | | |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | | | | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| CHILE | | | | | | | | | | | | | | | | |
| 85406 ARICA | 1821S | 07020W | 55 | | 1010.2 | 1014.7 | 19.5 | .4 | 16.3 | .4 | 0 | 0 | 0 | 2 | 251 | 110 |
| 85418 IQUIQUE | 2032S | 07011W | 48 | | 1009.1 | 1014.8 | 18.5 | .1 | 15.9 | .7 | 0 | 0 | 0 | 2 | 274 | 100 |
| 85442 ANTOFAGASTA | 2326S | 07027W | 140 | | 998.4 | 1015.3 | 17.0 | .1 | 15.0 | .5 | 0 | 0 | -1 | 3 | 280 | 100 |
| 85469 ISLA DE PASCUA | 2710S | 10926W | 69 | | 1009.7 | 1017.9 | 20.6 | | 20.1 | | 15 | 0134 | | 5 | 157 | 70 |
| 85470 COPIAPO | 2718S | 07025W | 290 | | 979.9 | 1013.7 | 16.4 | .0 | 13.0 | -.4 | 0 | 0 | 0 | 4 | 276 | 100 |
| 85488 LA SERENA | 2955S | 07112W | 146 | | 999.9 | 1015.6 | 14.3 | .0 | 12.9 | -.3 | | | | | 200 | 95 |
| 85574 PUDAHUEL | 3323S | 07047W | 474 | | 960.0 | 1014.7 | 16.8 | | 10.2 | | 3 | 46 | | 5 | 263 | 85 |
| 85577 SANTIAGO QUINTA NORMAL | 3326S | 07041W | 520 | | 954.7 | 1014.1 | 17.6 | | 11.1 | | 3 | 59 | | 5 | 254 | 90 |
| 85585 ISLA JUAN FERNANDEZ | 3337S | 07849W | 30 | | 1016.4 | 1020.1 | 14.7 | | 12.5 | | 4 | 35 | | 4 | 176 | 95 |
| 85629 CURICO | 3458S | 07113W | 220 | | | | | | | | 2 | 21 | | 4 | 235 | 85 |
| 85672 CHILLAN | 3635S | 07202W | 148 | | | | | | | | 4 | 38 | -2 | 4 | 215 | 70 |
| 85682 CONCEPCION | 3646S | 07304W | 13 | | 1016.5 | 1017.4 | 13.7 | .2 | 12.4 | .6 | 7 | 0046 | 0005 | 4 | 263 | 85 |
| 85743 TEMUCO | 3846S | 07238W | 93 | | 1006.5 | 1017.7 | 12.9 | .2 | 11.6 | .1 | 8 | 0090 | 0031 | 5 | 191 | 85 |
| 85766 VALDIVIA | 3938S | 07305W | 19 | | | | | | | | 10 | 120 | 47 | 5 | 212 | 90 |
| 85799 PUERTO MONTT | 4126S | 07306W | 90 | | 1007.2 | 1018.1 | 11.9 | .3 | 11.6 | .5 | 11 | 0081 | 0070 | | 171 | 100 |
| 85864 COYHAIQUE | 4536S | 07206W | 311 | | 976.8 | 1013.5 | 11.7 | .7 | 8.2 | -.5 | 5 | 53 | -3 | 4 | 113 | 95 |
| 85874 BALMACEDA | 4555S | 07142W | 522 | | 952.3 | 1013.0 | 10.1 | .9 | 8.0 | .7 | 6 | 40 | 12 | 5 | | |
| 85934 PUNTA ARENAS | 5300S | 07051W | 43 | | 1002.8 | 1007.0 | 9.9 | 1.7 | 8.6 | 1.1 | 6 | 37 | 6 | 4 | 252 | 120 |
| ARGENTINA | | | | | | | | | | | | | | | | |
| 87007 LA QUIACA OBSERVATORIO | 2206S | 06536W | 3459 | | 671.3 | 3098 Z | 14.0 | 2.0 | 5.4 | -1.7 | 1 | 1 | -29 | 1 | 315 | |
| 87022 TARTAGAL AERO | 2239S | 06349W | 450 | | 958.1 | 1008.1 | | | 19.2 | | 8 | 125 | | | 204 | |
| 87046 JUJUY AERO | 2423S | 06505W | 905 | | 908.9 | 1484 Y | 22.9 | | 15.7 | | 5 | 39 | | 3 | 230 | 105 |
| 87047 SALTA AERO | 2451S | 06529W | 1221 | | 877.3 | 1493 Y | 20.3 | .0 | 16.4 | 1.1 | 6 | 71 | 6 | 4 | 223 | 130 |
| 87121 TUCUMAN AERO | 2651S | 06506W | 450 | | 959.0 | 1009.3 | 23.3 | | 17.3 | | 10 | 134 | | | 213 | |
| 87148 PRESIDENCIA ROQUE SAENZ PENO | 2644S | 06029W | 93 | | | | 23.1 | | 19.8 | | 10 | 197 | | 4 | 181 | |
| 87155 RESISTENCIA AERO. | 2727S | 05903W | 52 | | 1004.9 | 1010.9 | 22.6 | | 20.6 | | 7 | 204 | | 4 | 183 | 85 |
| 87162 FORMOSA AERO | 2612S | 05814W | 60 | | 1003.2 | 1010.1 | 23.5 | -1.0 | 21.7 | .2 | 8 | 368 | 197 | 4 | 231 | 91 |
| 87163 B. DE IRIGOYEN AERO | 2615S | 05309W | 815 | | 920.9 | 1501 Y | 18.8 | | 17.2 | | 9 | 221 | | | 226 | |
| 87166 CORRIENTES AERO. | 2727S | 05846W | 62 | | 1004.4 | 1011.5 | 22.7 | -.9 | 21.0 | .9 | 9 | 238 | 93 | 5 | 251 | 96 |
| 87213 CHILECITO AERO | 2914S | 06726W | 945 | | | | 22.7 | | 1.5 | | 2 | 4 | | | 278 | |
| 87217 LA RIOJA AERO. | 2923S | 06649W | 429 | | 960.1 | 1007.9 | 24.7 | -.7 | 17.4 | 1.5 | 3 | 37 | -6 | 3 | 231 | 92 |
| 87222 CATAMARCA AERO. | 2836S | 06546W | 454 | | | | 25.1 | | 14.7 | | 6 | 57 | | 3 | 230 | 95 |
| 87257 CERES AERO | 2953S | 06157W | 88 | | 1001.3 | 1011.4 | 21.9 | -.6 | 18.3 | .4 | 5 | 80 | -24 | 2 | 282 | 106 |
| 87270 RECONQUISTA AERO | 2911S | 05942W | 53 | | 1005.8 | 1011.9 | 21.9 | -.7 | 18.9 | -1.2 | 8 | 145 | 15 | 4 | 253 | 98 |
| 87289 PASO DE LOS LIBRES AERO | 2941S | 05709W | 70 | | 1003.7 | 1011.8 | 21.5 | -.8 | 18.4 | .1 | 8 | 187 | 44 | 4 | 247 | 121 |
| 87311 SAN JUAN AERO | 3134S | 06852W | 598 | | 943.3 | 1010.0 | 21.6 | | 11.8 | | 1 | 5 | | 1 | 282 | 95 |
| 87320 CHAMICAL AERO | 3022S | 06617W | 461 | | 957.3 | 1008.6 | 24.6 | .6 | 14.9 | .9 | 6 | 39 | -18 | 2 | 287 | |
| 87322 CHEPES | 3120S | 06636W | 658 | | | | 23.3 | -.4 | 13.6 | -2.0 | 3 | 16 | -24 | 2 | | |
| 87328 VILLA DOLORES AERO | 3157S | 06508W | 569 | | 946.0 | 1009.0 | 22.3 | -.2 | 12.5 | -.8 | 5 | 64 | -2 | 3 | 302 | |
| 87344 CORDOBA AERO | 3119S | 06413W | 474 | | 957.3 | 1011.7 | 20.6 | -.2 | 13.9 | -1.3 | 5 | 137 | 30 | 4 | 269 | 112 |
| 87349 PILAR OBSERVATORIO | 3140S | 06353W | 338 | | 974.0 | 1012.5 | 20.6 | .1 | 14.7 | .0 | 6 | 118 | 24 | 4 | 259 | 97 |
| 87374 PARANA AERO | 3147S | 06029W | 78 | | 1003.8 | 1012.9 | 20.6 | -.3 | 16.2 | -.4 | 10 | 154 | 39 | 4 | 252 | 92 |
| 87393 MONTE CASEROS AERO | 3016S | 05739W | 54 | | 1006.3 | 1012.4 | 21.2 | -.8 | 17.9 | -.1 | 8 | 209 | 64 | 5 | 245 | 94 |
| 87395 CONCORDIA AERO | 3118S | 05801W | 38 | | 1008.2 | 1012.6 | 20.5 | -.9 | 17.2 | .1 | 8 | 204 | 64 | 5 | 204 | |
| 87418 MENDOZA AERO | 3250S | 06847W | 704 | | 931.9 | 1010.2 | 20.8 | -.9 | 11.8 | .5 | 2 | 4 | -11 | 2 | 260 | 88 |
| 87436 SAN LUIS AERO | 3316S | 06621W | 713 | | | | 19.7 | -1.7 | 11.8 | .2 | 7 | 62 | -15 | 3 | 289 | 96 |
| 87448 VILLA REYNOLDS AERO | 3344S | 06523W | 486 | | | | 18.9 | -1.0 | 13.7 | .2 | 11 | 37 | -44 | 1 | 219 | 82 |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 87453 RIO CUARTO AERO | 3307S | 06414W | 420 | | 963.9 | 1011.1 | 19.0 | - .9 | 13.3 | - .4 | 10 | 62 | -59 | 1 | 245 | |
| 87467 MARCOS JUAREZ AERO | 3242S | 06209W | 114 | | 999.5 | 1012.7 | 20.2 | - .3 | 16.2 | .0 | 8 | 114 | 15 | 4 | 234 | 95 |
| 87480 ROSARIO AERO | 3255S | 06047W | 25 | | 1009.6 | 1012.5 | 20.5 | .2 | 16.4 | .0 | 7 | 98 | 0 | 3 | 255 | 94 |
| 87497 GUALEGUAYCHU AERO | 3300S | 05837W | 21 | | 1010.6 | 1013.0 | 19.9 | - .4 | 16.0 | - .2 | 8 | 181 | 80 | 5 | 230 | 93 |
| 87506 MALARGUE AERO | 3530S | 06935W | 1425 | | 857.6 | 1500 Y | 14.3 | -1.3 | 6.9 | - .8 | 7 | 95 | 73 | 5 | 266 | |
| 87509 SAN RAFAEL AERO | 3435S | 06824W | 748 | | 928.1 | 1012.0 | 17.9 | -1.6 | 10.8 | - .3 | 9 | 91 | 47 | 5 | 198 | 70 |
| 87532 GENERAL PICO AERO | 3542S | 06345W | 145 | | 996.7 | 1013.0 | 18.9 | - .7 | 14.9 | 1.0 | 11 | 168 | 68 | 5 | 132 | |
| 87534 LABOULAYE | 3408S | 06322W | 137 | | 997.5 | 1013.5 | 18.8 | -1.1 | 15.4 | .8 | 14 | 101 | -6 | 3 | 216 | 78 |
| 87544 PEHUAJO AERO | 3552S | 06154W | 87 | | 1004.1 | 1014.3 | 17.0 | -1.6 | 15.6 | .3 | 12 | 136 | 29 | 4 | 231 | 88 |
| 87548 JUNIN AERO | 3433S | 06057W | 81 | | 1003.8 | 1013.3 | 18.9 | - .1 | 15.0 | .0 | 6 | 112 | 3 | 3 | 218 | 84 |
| 87550 NUEVE DE JULIO | 3527S | 06053W | 76 | | 1004.5 | 1013.4 | 18.5 | -1.0 | 15.4 | - .3 | 7 | 82 | -21 | 2 | | |
| 87563 LAS FLORES AERO | 3604S | 05906W | 38 | | 1009.6 | 1013.9 | 17.8 | | 15.6 | | 9 | 73 | | 3 | 197 | |
| 87576 EZEIZA AERO | 3449S | 05832W | 20 | | | 1014.2 | 18.6 | - .4 | 16.0 | .9 | 9 | 64 | -34 | 2 | 206 | |
| 87582 AEROPARQUE BS. AS. AERO | 3434S | 05825W | 6 | | 1013.4 | 1014.1 | 19.5 | - .6 | 16.6 | .2 | 10 | 63 | -41 | 2 | 235 | 102 |
| 87585 BUENOS AIRES OBSERVATORIO | 3435S | 05829W | 25 | | 1011.0 | 1013.9 | 19.6 | - .7 | 16.1 | .5 | 11 | 95 | -13 | 3 | 222 | 88 |
| 87593 LA PLATA AERO | 3458S | 05754W | 19 | | 1003.1 | 1014.0 | 17.7 | - .6 | 16.5 | .7 | 9 | 129 | 36 | 4 | 219 | 97 |
| 87596 PUNTA INDIO B.A. | 3522S | 05717W | 22 | | 1011.9 | 1014.5 | 17.5 | - .8 | 17.1 | .9 | 10 | 189 | 91 | 5 | 194 | 77 |
| 87623 SANTA ROSA AERO | 3634S | 06416W | 191 | | 991.5 | 1013.3 | 18.1 | -1.2 | 14.5 | 1.0 | 11 | 91 | -10 | 3 | 241 | 88 |
| 87640 BOLIVAR AERO | 3612S | 06104W | 934 | | | 1014.9 | 17.4 | | 15.2 | | 11 | 78 | | | 214 | |
| 87641 AZUL AERO | 3650S | 05953W | 147 | | 997.8 | 1015.1 | 16.0 | | 14.8 | | 12 | 111 | | 4 | 193 | 75 |
| 87645 TANDIL AERO | 3714S | 05915W | 175 | | 994.3 | 1014.9 | 15.8 | | 13.8 | | 7 | 54 | | 2 | 169 | 70 |
| 87648 DOLORES AERO | 3621S | 05744W | 9 | | 1013.6 | 1014.7 | 17.2 | - .2 | 15.5 | .3 | 5 | 65 | -21 | 2 | 136 | 57 |
| 87679 FIGUE AERO | 3736S | 06223W | 304 | | 978.6 | 1013.8 | 17.1 | .6 | 13.7 | 1.0 | 10 | 152 | 60 | 5 | | |
| 87688 TRES ARROYOS | 3820S | 06015W | 115 | | 1001.3 | 1014.7 | 16.7 | | 13.8 | | 8 | 61 | | 3 | 203 | 75 |
| 87692 MAR DEL PLATA AERO | 3756S | 05735W | 21 | | 1013.2 | 1015.7 | 15.5 | - .4 | 14.5 | .5 | 6 | 68 | -7 | 2 | 154 | |
| 87736 RIO COLORADO | 3901S | 06405W | 79 | | 1005.4 | 1014.7 | 18.7 | | 13.4 | | 7 | 81 | | | 244 | |
| 87750 BAHIA BLANCA AERO | 3844S | 06210W | 83 | | 1004.6 | 1014.4 | 17.7 | - .7 | 12.8 | .9 | 7 | 53 | -8 | 3 | 222 | 84 |
| 87765 BARILOCHE AERO | 4109S | 07110W | 840 | | 920.2 | 1497 Y | 11.3 | .7 | 7.3 | - .6 | 4 | 24 | 0 | 4 | 221 | 72 |
| 87784 SAN ANTONIO OESTE AERO | 4047S | 06506W | 20 | | 1011.2 | 1013.6 | 17.5 | -1.3 | 10.8 | .7 | 3 | 16 | -2 | 1 | 271 | |
| 87791 VIEDMA AERO | 4051S | 06301W | 7 | | 1013.4 | 1014.2 | 16.5 | | 11.3 | | 8 | 26 | | 4 | 255 | |
| 87800 EL BOLSON AERO | 4158S | 07131W | 337 | | 976.2 | 1015.9 | 15.4 | | 10.0 | | 7 | 56 | | | 219 | |
| 87803 ESQUEL AERO | 4256S | 07109W | 785 | | 922.2 | 1013.3 | 12.1 | .9 | 6.6 | .1 | 3 | 31 | 12 | 4 | 286 | 65 |
| 87823 P. MADRYN AERO | 4244S | 06504W | 136 | | 997.1 | 1013.2 | 15.9 | | 9.4 | | 4 | 42 | | | 242 | |
| 87828 TRELEW AERO | 4312S | 06516W | 43 | | 1008.7 | 1013.8 | 16.6 | - .6 | 9.2 | 1.8 | 4 | 16 | 2 | 3 | 285 | 100 |
| 87852 PERITO MORENO AERO | 4631S | 07101W | 429 | | 960.6 | 1010.8 | 13.4 | | 8.5 | | 4 | 67 | | | 224 | |
| 87860 COMODORO RIVADAVIA AERO | 4547S | 06730W | 46 | | 1006.8 | 1012.3 | 15.6 | - .3 | 8.2 | 1.1 | 4 | 16 | 6 | 4 | 272 | 116 |
| 87880 GOBERNADOR GREGORES AERO | 4847S | 07010W | 357 | | 966.2 | 1008.2 | 14.3 | | 7.0 | | 4 | 50 | | | 229 | |
| 87909 SAN JULIAN AERO | 4919S | 06745W | 62 | | 1002.8 | 1010.3 | 13.1 | | 8.6 | | 3 | 10 | | 3 | 255 | |
| 87925 RIO GALLEGOS AERO | 5137S | 06917W | 19 | | 1005.6 | 1007.9 | 11.4 | .3 | 7.2 | .3 | 4 | 31 | 10 | 4 | 250 | |
| 87938 USHUAIA AERO | 5448S | 06819W | 14 | | 997.9 | 1004.8 | 8.8 | 1.0 | 8.3 | .8 | 6 | 29 | -5 | 3 | 207 | |
| ANTARCTICA | | | | | | | | | | | | | | | | |
| UNITED KINGDOM (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89062 ROTHERA POINT | 6734S | 06808W | 16 | | 984.9 | 989.0 | -1.0 | | 4.4 | | | | | | 116 | 70 |
| USSR (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89050 BELLINGSHAUSEN | 6212S | 05856W | 16 | | 993.6 | 995.5 | - .7 | | 5.4 | | 12 | 55 | | | 99 | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 89512 NOVOLAZAREVSKAJA | 7046S | 01150E | 0 | | 970.8 | 985.6 | -5.9 | | 1.7 | | 0 | | | | 401 | |
| 89592 MIRNYJ | 6633S | 09301E | 30 | | 982.6 | 988.2 | -6.5 | | 2.8 | | 7 | 20 | | | | |
| GERMANY (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89002 NEUMAYER | 7040S | 00815W | 50 | | 983.7 | 988.9 | -11.3 | | 2.2 | | | | | | 310 | 150 |
| ARGENTINA (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89034 BASE BELGRANO II | 7752S | 03437W | 256 | | 959.2 | 991.4 | -7.4 | | 2.1 | | 5 | 33 | | | 277 | |
| URUGUAY (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89054 DINAMET-URUGUAY | 6211S | 05851W | 17 | | 993.6 | 995.1 | -.2 | | | | 8 | 48 | | | 87 | |
| CHILE (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89056 CENTRO MET. ANTARTICO ' PDTE. ED | 6211S | 05859W | 48 | | 990.2 | 995.6 | -1.4 | | 5.3 | | 10 | 49 | | 5 | 66 | 80 |
| 89059 BASE BERNARDO O'HIGGINS | 6319S | 05641W | 10 | | 992.2 | 993.2 | -.9 | .8 | 4.8 | .5 | 11 | 108 | 47 | 5 | 102 | |
| JAPAN (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89532 SYOWA | 6900S | 03935E | 21 | | 982.5 | 985.1 | -7.5 | -1.1 | 2.4 | -.2 | | | | | 345 | |
| AUSTRALIA (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89564 MAWSON | 6736S | 06252E | 16 | | 981.7 | 983.7 | -5.1 | | 2.7 | | | | | | 142 | 56 |
| 89571 DAVIS | 6834S | 07757E | 13 | | 983.4 | 986.4 | -3.7 | | 2.9 | | 1 | 2 | 1 | 3 | 170 | 75 |
| 89611 CASEY | 6617S | 11031E | 42 | | 981.4 | 986.7 | -6.4 | | 2.6 | | 1 | 2 | | | | |
| SW PACIFIC | | | | | | | | | | | | | | | | |
| MALAYSIA (PENIN. MALAYSIA) | | | | | | | | | | | | | | | | |
| 48601 PENANG/BAYAN LEPAS | 0518N | 10016E | 4 | | 1009.8 | 1010.0 | 27.6 | 1.1 | 29.2 | -.1 | 12 | 158 | -73 | 2 | | |
| 48615 KOTA BHARU | 0610N | 10217E | 5 | | 1010.6 | 1011.2 | 26.8 | .9 | 30.5 | 2.2 | 23 | 408 | -248 | 2 | | |
| 48647 KUALA LUMPUR/SUBANG | 0307N | 10133E | 22 | | 1007.9 | 1010.4 | 26.8 | .7 | 29.3 | .1 | 19 | 429 | 154 | 5 | | |
| 48657 KUANTAN | 0337N | 10313E | 16 | | 1008.9 | 1010.7 | 25.5 | .2 | 28.8 | -.2 | 20 | 343 | 0 | 4 | | |
| 48665 MALACCA | 0216N | 10215E | 9 | | 1009.1 | 1010.1 | 27.0 | .9 | 29.5 | .0 | 14 | 126 | -105 | 1 | | |
| SINGAPORE | | | | | | | | | | | | | | | | |
| 48698 SINGAPORE/CHANGI AIRPORT | 0122N | 10359E | 16 | | 1008.4 | 1010.3 | 27.3 | 1.0 | 31.0 | 1.6 | 10 | 166 | -86 | 2 | 174 | 135 |
| USA (PACIFIC OCEAN NORTH) | | | | | | | | | | | | | | | | |
| 91165 LIHUE, KAUAI, HAWAII | 2159N | 15921W | 45 | | | 1015.3 | 24.1 | -.1 | 24.0 | | 16 | 122 | -16 | 3 | | |
| 91182 HONOLULU, OAHU, HAWAII | 2121N | 15756W | 5 | | | 1015.1 | 25.3 | .2 | 24.5 | | 10 | 200 | 124 | 5 | | |
| 91285 HILO/GEN. LYMAN, HAWAII, | 1943N | 15504W | 11 | | | 1015.4 | 24.1 | .7 | 21.8 | | 15 | 281 | -87 | 2 | | |
| 91334 TRUK, CAROLINE IS. | 0728N | 15151E | 2 | | | 1008.3 | 28.2 | .5 | 31.6 | | 16 | 183 | -98 | 1 | | |
| 91348 PONAPE, CAROLINE ISLANDS. | 0658N | 15813E | 46 | | | 1009.3 | 27.3 | .2 | 31.2 | | 22 | 347 | -52 | 2 | | |
| 91366 KWAJALEIN/BUCHOLZ AAF, MARSH | 0844N | 16744E | 8 | | | 1008.7 | 29.0 | 1.2 | 30.6 | | 20 | 337 | 67 | 4 | | |
| 91376 MAJURO/MARSHALL IS. INTL | 0705N | 17123E | 3 | | | 1008.5 | 28.7 | 1.4 | 31.3 | | 18 | 155 | -170 | 1 | | |
| 91408 KOROR, PALAU IS. | 0720N | 13429E | 33 | | | 1008.7 | 28.5 | .6 | 31.0 | | 16 | 218 | -69 | 2 | | |
| 91413 YAP, CAROLINE IS. | 0929N | 13805E | 16 | | | 1008.0 | 28.2 | .9 | 31.7 | | 12 | 200 | -30 | 2 | | |
| VANUATU | | | | | | | | | | | | | | | | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|-------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|----------------|----------------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % OF AV. |
| | O' | O' | m | | mb | mb | O _c | O _c | mb | mb | | mm | mm | | hr | |
| 91554 PEKOA AIRPORT (SANTO) | 1531S | 16713E | 44 | | 1005.3 | 1010.2 | 25.6 | | 27.0 | | 5 | 20 | | | | |
| 91557 BAUERFIELD (EFATE) | 1742S | 16818E | 21 | | 1009.4 | 1011.8 | 23.4 | | 27.2 | | 5 | 20 | | | | |
| NEW CALEDONIA | | | | | | | | | | | | | | | | |
| 91577 KOUMAC (NLLE-CALEDONIE) | 2034S | 16417E | 18 | | 1011.4 | 1013.5 | 24.4 | .4 | 20.2 | | 1 | 6 | -57 | 1 | 222 | 89 |
| 91592 NOUMEA (NLLE-CALEDONIE) | 2216S | 16627E | 72 | | 1006.3 | 1014.6 | 23.4 | .0 | 19.7 | | 6 | 14 | -48 | 1 | 271 | 108 |
| TUVALU (NEW ZEALAND) | | | | | | | | | | | | | | | | |
| 91643 FUNAFUTI | 0831S | 17913E | 2 | | 1008.6 | 1008.8 | 28.9 | | 31.1 | | 16 | 212 | | 2 | 210 | 130 |
| FIJI | | | | | | | | | | | | | | | | |
| 91650 ROTUMA | 1230S | 17703E | 26 | | | 1009.5 | 27.2 | | 30.0 | | 19 | 609 | | 5 | 187 | 95 |
| 91652 UNDU POINT | 1608S | 17959W | 63 | | | 1010.4 | 26.2 | | 27.5 | | 10 | 343 | | 4 | | |
| 91680 NANDI | 1745S | 17727E | 25 | | | 1010.3 | 25.7 | -.5 | 22.9 | | 7 | 26 | -113 | 1 | 256 | 116 |
| 91683 NAUSORI | 1803S | 17834E | 7 | | | 1011.5 | 24.7 | | 25.0 | | 12 | 68 | | 1 | | |
| 91699 ONO-I-LAU | 2040S | 17843W | 28 | | | 1012.2 | 24.9 | | 25.5 | | 3 | 11 | | 1 | | |
| NEW CALEDONIA (DETACHED IS.) | | | | | | | | | | | | | | | | |
| 91753 HIHIPO (ILE WALLIS) | 1314S | 17610W | 27 | | 1005.9 | 1008.9 | 27.1 | | 30.7 | | 16 | 331 | | 3 | 179 | 85 |
| SAMOA (USA) | | | | | | | | | | | | | | | | |
| 91765 PAGO PAGO/INT. AIRPORT | 1420S | 17043W | 3 | | | 1009.4 | 28.5 | | 33.5 | | 16 | 108 | | 1 | | |
| COOK ISLANDS (NEW ZEALAND) | | | | | | | | | | | | | | | | |
| 91843 RAROTONGA | 2112S | 15949W | 7 | | 1011.9 | 1012.7 | 23.8 | | 24.0 | | 13 | 151 | | 4 | 153 | 170 |
| FRENCH POLY. (MARQUESAS) | | | | | | | | | | | | | | | | |
| 91925 ATUONA | 0948S | 13902W | 52 | | 1004.8 | 1010.6 | 26.6 | | 25.2 | | 9 | 25 | -44 | 1 | 197 | 80 |
| FRENCH POLY. (SOCIETY IS) | | | | | | | | | | | | | | | | |
| 91938 TAHITI-FAAA | 1733S | 14937W | 2 | | 1010.7 | 1011.0 | 27.0 | | 27.8 | | 9 | 144 | -18 | 3 | 216 | 104 |
| FRENCH POLY. (TUAMOTU IS) | | | | | | | | | | | | | | | | |
| 91943 TAKAROA | 1429S | 14502W | 3 | | 1010.6 | 1010.9 | 28.1 | | 28.6 | | 17 | 218 | 13 | 4 | 212 | 90 |
| 91945 HERHERETUE | 1952S | 14500W | 3 | | 1011.6 | 1012.0 | 25.7 | | 27.1 | | 11 | 100 | | 2 | 216 | 105 |
| 91948 RIKITEA | 2308S | 13458W | 89 | | 1003.2 | 1013.4 | 22.8 | | 24.1 | | 16 | 285 | 30 | 6 | 119 | 67 |
| FRENCH POLY. (AUSTRAL IS) | | | | | | | | | | | | | | | | |
| 91954 TUBUAI | 2321S | 14929W | 3 | | 1012.4 | 1012.7 | 22.9 | | 22.7 | | 18 | 266 | 145 | 5 | 138 | 71 |
| 91958 RAPA | 2737S | 14420W | 2 | | 1014.6 | 1014.9 | 20.3 | | 19.8 | | 7 | 170 | | 3 | 136 | 95 |
| PAPUA NEW GUINEA | | | | | | | | | | | | | | | | |
| 92001 KIUNGA W.O. | 0605S | 14111E | 35 | | 1004.1 | 1008.1 | | | 30.0 | | 13 | 422 | | | 188 | |
| 92003 DARU W.O. | 0905S | 14312E | 9 | | 1008.7 | 1008.7 | | | 29.7 | | 3 | 11 | | | 260 | |
| 92004 WEWAK W.O. | 0335S | 14340E | 4 | | 1007.8 | 1008.2 | | | 24.8 | | 13 | 192 | | | 153 | |
| 92014 MADANG W.O. | 0513S | 14548E | 5 | | 1007.8 | 1008.4 | | | 30.7 | | 15 | 141 | | 0 | 152 | 95 |
| 92035 PORT MORESBY W.O. | 0923S | 14713E | 58 | | 1002.1 | 1007.8 | | | 27.6 | | 5 | 71 | | 4 | 241 | 95 |
| 92044 MOMOTE W.O. | 0204S | 14726E | 5 | | 1008.1 | 1008.7 | | | 31.3 | | 19 | 239 | | 3 | 161 | 110 |
| 92047 NADZAB W.O. | 0634S | 14643E | 70 | | 1007.5 | | | | 29.0 | | 19 | 91 | | 0 | 220 | 110 |

SURFACE

NOVEMBER 2004

| 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. |
| | | | | | mb | mb | °C | °C | mb | mb | mm | mm | hr | | | |
| 92076 KAVIENG W.O. | 0234S | 15049E | 4 | | 1008.1 | 1008.6 | | | 30.1 | | 14 | 203 | | | 166 | |
| 92077 GURNEY W.O. | 1019S | 15020E | 23 | | 1007.3 | 1010.0 | | | 28.8 | | 13 | 195 | | | 175 | |
| 92087 MISIMA W.O. | 1041S | 15250E | 7 | | 1008.6 | 1009.4 | | | 30.9 | | 15 | 167 | | | 211 | |
| NEW ZEALAND | | | | | | | | | | | | | | | | |
| 93012 KAITAIA | 3506S | 17316E | 54 | | | | 15.5 | | 14.6 | | 10 | 82 | -19 | 4 | 197 | 100 |
| 93292 GISBORNE AERODROME AWS | 3839S | 17759E | 5 | | | 1015.2 | 15.9 | .1 | 12.3 | | 7 | 59 | 3 | 3 | | |
| 93309 NEW PLYMOUTH AWS | 3901S | 17411E | 32 | | | 1015.9 | 14.2 | | 13.9 | | 11 | 59 | | 1 | | |
| 93417 PARAPARAUMU AERODROME | 4054S | 17459E | 12 | | | 1014.5 | 14.4 | .3 | 13.7 | | 8 | 82 | 0 | 3 | 206 | 100 |
| 93615 HOKITIKA AERODROME AWS | 4243S | 17059E | 40 | | | 1013.9 | 12.8 | | 12.6 | | 16 | 187 | | 3 | | |
| 93678 KAIKOURA | 4225S | 17342E | 101 | | | 1010.8 | 14.0 | | 11.2 | | 3 | 13 | | 1 | | |
| 93780 CHRISTCHURCH | 4329S | 17233E | 30 | | | 1010.5 | 14.0 | | 11.2 | | | | | | | |
| 93844 INVERCARGILL AERODROME | 4625S | 16819E | 4 | | | 1010.1 | 12.7 | 1.3 | 10.8 | | | | | | | |
| 93947 CAMPBELL ISLAND AWS | 5233S | 16909E | 19 | | | 999.9 | 7.5 | | 8.8 | | 17 | 176 | | 6 | | |
| 93987 CHATHAM ISLANDS AWS | 4357S | 17634W | 49 | | | 1013.7 | 12.0 | | 11.6 | | 10 | 68 | | 4 | | |
| 93994 RAOUL ISLAND KERMADEC IS. | 2915S | 17755W | 49 | | | 1016.4 | 19.0 | | 16.5 | | 14 | 100 | | 4 | | |
| AUSTRALIA | | | | | | | | | | | | | | | | |
| 94120 DARWIN AIRPORT | 1225S | 13053E | 31 | | 1005.6 | 1009.5 | | | 28.7 | | 7 | 105 | -26 | 3 | 262 | 103 |
| 94150 GOVE AIRPORT | 1217S | 13649E | 54 | | 1003.4 | 1009.4 | 27.4 | | 27.5 | | 5 | 57 | | 4 | 296 | 100 |
| 94203 BROOME AIRPORT | 1757S | 12214E | 7 | | 1008.2 | 1009.2 | 29.3 | | 27.0 | | 1 | 2 | -6 | 4 | 323 | |
| 94212 HALLS CREEK AMO | 1814S | 12740E | 424 | | 961.6 | 1008.1 | 31.0 | | 14.6 | | 6 | 25 | -10 | 3 | | |
| 94238 TENNANT CREEK MET OFFICE | 1938S | 13411E | 375 | | 968.0 | 1009.6 | 30.3 | | 10.9 | | 2 | 66 | 34 | 5 | 290 | 100 |
| 94287 CAIRNS AERO | 1653S | 14545E | 3 | | 1011.5 | 1012.4 | 26.1 | | 24.2 | | 9 | 97 | -3 | 4 | 253 | 103 |
| 94294 TOWNSVILLE AERO | 1915S | 14645E | 9 | | 1011.7 | 1012.7 | 26.8 | | 23.7 | | 4 | 24 | -30 | 2 | 297 | 106 |
| 94299 WILLIS ISLAND | 1618S | 14959E | 6 | | 1011.0 | 1012.0 | 26.9 | | 26.9 | | | | | | | |
| 94312 PORT HEDLAND AIRPORT | 2022S | 11838E | 9 | | 1008.4 | 1009.3 | 29.6 | | 19.1 | | 0 | 0 | -1 | 1 | | |
| 94326 ALICE SPRINGS AERO | 2348S | 13353E | 546 | | 951.2 | 1011.9 | | | 7.3 | | 1 | 5 | -22 | 1 | 328 | 108 |
| 94332 MT ISA AERO | 2041S | 13929E | 340 | | 972.4 | 1010.4 | 28.8 | | 11.6 | | 4 | 27 | 3 | 4 | 310 | 104 |
| 94346 LONGREACH AIRPORT | 2326S | 14417E | 192 | | 990.3 | 1012.0 | | | 13.6 | | 9 | 65 | 40 | 5 | | |
| 94367 MACKAY MO | 2107S | 14913E | 30 | | 1010.3 | 1013.9 | 25.5 | | 23.4 | | 7 | 107 | 19 | 4 | 265 | 95 |
| 94374 ROCKHAMPTON AERO | 2323S | 15029E | 14 | | 1012.9 | 1014.5 | 25.4 | | 20.6 | | 4 | 20 | -57 | 1 | | |
| 94403 GERALDTON AIRPORT | 2848S | 11442E | 33 | | 1010.5 | 1014.6 | 20.5 | | 13.1 | | 1 | 3 | -9 | 2 | | |
| 94430 MEEKATHARRA AIRPORT | 2637S | 11833E | 517 | | 953.6 | 1011.3 | 24.4 | | 8.3 | | 3 | 27 | 14 | 5 | | |
| 94461 GILES | 2502S | 12817E | 598 | | 944.7 | 1010.7 | 27.2 | | 7.1 | | 1 | 6 | -16 | 2 | | 96 |
| 94610 PERTH AIRPORT | 3156S | 11559E | 31 | | 1012.8 | 1015.2 | 19.5 | | 12.1 | | 8 | 41 | 19 | 5 | 306 | 100 |
| 94647 EUCLA | 3141S | 12853E | 102 | | 1003.7 | 1015.8 | 18.6 | | 12.2 | | 5 | 68 | | 6 | | |
| 94653 CEDUNA AIRPORT | 3208S | 13342E | 16 | | 1013.8 | 1015.6 | 19.5 | | 10.1 | | 4 | 18 | 0 | 3 | 261 | 93 |
| 94693 MILDURA AIRPORT | 3414S | 14205E | 52 | | 1008.8 | 1014.9 | 20.2 | | 8.8 | | 4 | 42 | 21 | 5 | 299 | |
| 94711 COBAR | 3129S | 14550E | 264 | | 983.6 | 1013.8 | 22.9 | | 8.4 | | 3 | 17 | -14 | 3 | 322 | 103 |
| 94767 SYDNEY AIRPORT | 3356S | 15110E | 5 | | 1014.8 | 1015.4 | 20.6 | | 15.0 | | 10 | 54 | -47 | 2 | 239 | 98 |
| 94776 WILLIAMTOWN AERODROME | 3248S | 15150E | 8 | | 1014.5 | 1015.5 | 20.1 | | 15.5 | | 10 | 75 | -1 | 3 | 253 | 108 |
| 94791 COFFS HARBOUR MO | 3019S | 15307E | 5 | | 1014.6 | 1015.4 | 20.4 | | 17.8 | | 10 | 113 | -22 | 3 | 272 | 112 |
| 94802 ALBANY AIRPORT | 3456S | 11748E | 69 | | 1007.6 | 1015.9 | 15.5 | | 12.4 | | 11 | 37 | -10 | 2 | 231 | |
| 94821 MOUNT GAMBIER AERO | 3744S | 14047E | 69 | | 1007.4 | 1015.7 | 14.1 | | 11.1 | | 10 | 54 | 9 | 4 | 233 | 106 |
| 94866 MELBOURNE AIRPORT | 3740S | 14451E | 132 | | 1000.8 | 1015.0 | 15.5 | | 11.4 | | 8 | 113 | 50 | 5 | 211 | |
| 94907 EAST SALE AIRPORT | 3806S | 14708E | 8 | | 1013.4 | 1014.4 | 15.2 | | 12.2 | | 9 | 75 | 17 | 4 | 237 | 107 |
| 94910 WAGGA AIRPORT | 3510S | 14727E | 213 | | 989.6 | 1014.6 | 18.2 | | 10.7 | | 8 | 87 | 47 | 5 | 293 | 95 |
| 94926 GANBERRA AMO | 3518S | 14912E | 580 | | 948.2 | 1014.9 | 16.2 | | 10.8 | | 9 | 85 | 21 | 4 | 298 | 110 |

SURFACE

NOVEMBER 2004

| 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. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 94968 LAUNCESTON AIRPORT | 4132S | 14712E | 178 | | | | 12.6 | | 10.4 | | 7 | 44 | -2 | 3 | | |
| 94975 HOBART AIRPORT | 4250S | 14729E | 27 | | 1007.7 | 1011.0 | 14.4 | | 9.8 | | 5 | 47 | 1 | 3 | 230 | 106 |
| AUSTRALIA (ADDITIONAL IS.) | | | | | | | | | | | | | | | | |
| 94995 LORD HOWE ISLAND AERO | 3132S | 15904E | 6 | | 1016.0 | 1016.8 | 20.3 | | 17.3 | | 9 | 35 | -85 | 1 | | |
| 94996 NORFOLK ISLAND AERO | 2902S | 16756E | 109 | | 1004.2 | 1017.9 | 18.7 | | 15.2 | | 4 | 14 | -83 | 0 | 277 | 123 |
| 94998 MACQUARIE ISLAND | 5429S | 15856E | 6 | | 995.4 | 996.4 | 4.4 | | 7.3 | | 17 | 76 | 6 | 4 | 125 | 123 |
| INDONESIA (SUMATRA) | | | | | | | | | | | | | | | | |
| 96001 SABANG/CUT BAU | 0552N | 09519E | 126 | | 996.5 | 1010.9 | 26.3 | | 29.4 | | 19 | 0214 | | 1 | 125 | 123 |
| 96035 MEDAN/POLONIA | 0334N | 09841E | 25 | | 1010.4 | 1013.6 | 27.0 | | 29.6 | | 11 | 141 | | 1 | 102 | 120 |
| 96073 SIBOLGA/PINANGSORI | 0133N | 09853E | 3 | | 1009.5 | 1010.2 | 25.8 | | 24.7 | | | 458 | | 2 | 144 | 110 |
| 96109 PAKANBARU/SIMPANGTIGA | 0028N | 10127E | 31 | | 1009.1 | 1013.0 | 27.1 | | 28.8 | | 18 | 324 | | 4 | 138 | |
| 96171 RENGAT/JAPURA | 0028N | 10219E | 46 | | 1007.1 | 1009.6 | 26.6 | | 29.8 | | 20 | 0036 | | 1 | 143 | 140 |
| 96295 TELUKBETUNG/BERANTI | 0516S | 10511E | 96 | | | 1011.9 | 27.1 | | 28.0 | | 12 | 208 | | 4 | 242 | 130 |
| MALAYSIA (SABAH & SARAWAK) | | | | | | | | | | | | | | | | |
| 96413 KUCHING | 0129N | 11020E | 27 | | 1008.2 | 1010.7 | 26.2 | | 29.2 | | 22 | 419 | | 4 | | |
| 96421 SIBU | 0220N | 11150E | 8 | | 1007.1 | 1010.6 | 26.2 | | 29.3 | | 24 | 616 | | 6 | 169 | 100 |
| 96441 BINTULU | 0312N | 11302E | 5 | | 1007.5 | 1010.2 | 26.4 | .1 | 28.9 | | 23 | 359 | -68 | 2 | 197 | 120 |
| 96449 MIRI | 0420N | 11359E | 18 | | 1007.9 | 1009.8 | 27.0 | 1.5 | 30.1 | | 10 | 202 | -120 | 1 | | |
| 96465 LABUAN | 0518N | 11515E | 30 | | 1006.5 | 1009.8 | 27.9 | | 30.0 | - .5 | 14 | 249 | | 2 | 235 | 110 |
| 96471 KOTA KINABALU | 0556N | 11603E | 3 | | 1009.2 | 1009.5 | 26.9 | | 28.7 | | 17 | 167 | | 1 | | |
| 96481 TAWAU | 0416N | 11753E | 20 | | 1007.1 | 1009.0 | 26.5 | | 29.3 | | 13 | 168 | 18 | 4 | 221 | 110 |
| 96491 SANDAKAN | 0554N | 11804E | 13 | | 1008.4 | 1009.6 | 27.7 | .9 | 31.6 | | 16 | 265 | | 2 | 214 | 120 |
| INDONESIA (JAWA) | | | | | | | | | | | | | | | | |
| 96745 JAKARTA/OBSERVATORY | 0611S | 10650E | 8 | | 1008.7 | 1009.5 | 28.9 | 2.1 | 28.9 | | 9 | 85 | | 2 | 119 | 95 |
| 96805 CILACAP | 0744S | 10901E | 6 | | 1009.2 | 1010.2 | 27.5 | | 30.9 | | 21 | 835 | | | 156 | 100 |
| 96933 SURABAYA/PERAK | 0713S | 11243E | 3 | | 1010.0 | 1010.8 | 28.0 | | 31.7 | | 11 | 251 | | 5 | 135 | 120 |
| AUSTRALIA (OCEAN ISLANDS) | | | | | | | | | | | | | | | | |
| 96996 COCOS ISLAND AERO | 1211S | 09649E | 3 | | 1012.2 | 1012.7 | 26.7 | | 25.9 | | 1 | 2 | -96 | 0 | | |
| INDONESIA (NUSATENGARA) | | | | | | | | | | | | | | | | |
| 97230 DENPASAR/NGURAH-RAI | 0845S | 11510E | 1 | | | 1009.9 | 28.0 | | 30.6 | | 9 | 106 | | 3 | 241 | |
| 97260 SUMBAWA BESAR/SUMBAWA BESAR | 0826S | 11725E | 3 | | | 1008.3 | 28.3 | | 29.3 | | 6 | 145 | | | 243 | 120 |
| INDONESIA (MALUKU/IRIAN JAYA) | | | | | | | | | | | | | | | | |
| 97502 SORONG/JEFMAN | 0056S | 13107E | 3 | | | 1010.0 | 28.0 | | 32.0 | | 14 | 161 | | | 184 | |
| 97560 BLAK/MOKMER | 0111S | 13607E | 11 | | | 1008.4 | 27.2 | | 29.3 | | 14 | 146 | | 4 | 146 | 95 |
| 97980 MERAUKE/MOPAH | 0828S | 14023E | 3 | | | 1008.1 | 27.9 | | 26.3 | | 1 | 3 | | 2 | 233 | 120 |
| PHILIPPINES | | | | | | | | | | | | | | | | |
| 98223 LAOAG | 1811N | 12032E | 5 | | 1011.2 | 1011.8 | 27.4 | | 26.4 | | 5 | 169 | | | 236 | |
| 98328 BAGUIO | 1625N | 12036E | 1501 | | 852.0 | 1009.2 | 19.0 | | 14.0 | | 3 | | | | | |
| 98429 NINOY AQUINO INTER- NATIONAL | 1431N | 12100E | 15 | | 1008.8 | 1011.2 | 27.1 | .2 | | | | | | | | |
| 98430 SCIENCE GARDEN | 1438N | 12101E | 46 | | 1006.5 | 1011.4 | 27.2 | | 28.1 | | 14 | 0205 | | | | |
| 98444 LEGASPI | 1308N | 12344E | 17 | | 1007.7 | 1009.6 | 27.0 | .2 | 31.7 | 1.9 | 22 | 393 | -86 | 5 | | |

SURFACE

NOVEMBER 2004

| 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. |
| | ° | ° | m | | mb | mb | °C | °C | mb | mb | | mm | mm | | hr | |
| 98550 TACLOBAN | 1115N | 12500E | 3 | | 1008.3 | 1008.6 | 27.5 | .5 | 31.7 | 2.0 | 14 | 0196 | -083 | | 180 | 50 |
| 98637 ILOILO | 1042N | 12234E | 8 | | 1009.0 | 1009.7 | 27.8 | .3 | 29.8 | -.3 | 12 | 769 | 595 | | | |
| 98644 TAGBILARAN | 0936N | 12351E | 8 | | 1008.5 | 1009.4 | 28.1 | | 31.7 | | 9 | | | | | |
| 98646 MACTAN | 1018N | 12358E | 24 | | 1007.3 | 1008.7 | 28.2 | .3 | 33.6 | 3.3 | 11 | 641 | 510 | | | |
| 98653 SURIGAO | 0948N | 12530E | 55 | | 1005.0 | 1009.5 | 28.8 | 2.0 | 31.7 | 1.5 | 14 | 142 | -236 | | | |
| 98836 ZAMBOANGA | 0654N | 12204E | 6 | | 1008.6 | 1009.4 | 28.4 | .9 | 29.8 | .3 | 2 | 192 | 94 | | 248 | |

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. |
| OVERDUE SEPTEMBER 2004 | ° | ° | m | | mb | mb | ° C | ° C | mb | mb | | mm | mm | | hr | |
| ASIA | | | | | | | | | | | | | | | | |
| THAILAND | | | | | | | | | | | | | | | | |
| 48378 PHITSANULOK | 1647N | 10016E | 45 | | 1003.7 | 1008.9 | 28.1 | .3 | 30.4 | .2 | 14 | 286 | 45 | 4 | 114 | 69 |
| OCTOBER 2004 | | | | | | | | | | | | | | | | |
| ASIA | | | | | | | | | | | | | | | | |
| THAILAND | | | | | | | | | | | | | | | | |
| 48327 CHIANG MAI | 1847N | 09859E | 314 | | 977.1 | 1012.5 | 25.5 | -.3 | 26.4 | .2 | 5 | 39 | -83 | 1 | 224 | 100 |
| 48378 PHITSANULOK | 1647N | 10016E | 45 | | 1007.1 | 1012.2 | 28.2 | .6 | 27.5 | -1.6 | 4 | 41 | -116 | 0 | 253 | 112 |
| 48400 NAKHON SAWAN | 1548N | 10010E | 35 | | 1008.3 | 1012.2 | 28.2 | .5 | 28.7 | -1.2 | 0 | 0 | -144 | 0 | 280 | 126 |
| 48431 NAKHON RATCHASIMA | 1458N | 10205E | 188 | | 991.5 | 1012.7 | 27.0 | .8 | 24.9 | -2.2 | 0 | 0 | -152 | 0 | | |
| 48455 BANGKOK | 1344N | 10034E | 20 | | 1011.3 | 1011.7 | 29.8 | 2.2 | 27.7 | -2.3 | 4 | 50 | -192 | 1 | 239 | 121 |
| 48462 ARANYAPRATHET | 1342N | 10235E | 49 | | 1006.5 | 1012.1 | 27.8 | .7 | 28.1 | -.7 | 7 | 80 | -101 | 1 | | |
| 48480 CHANTHABURI | 1236N | 10207E | 4 | | 1010.8 | 1011.2 | 27.9 | 1.4 | 28.2 | -.7 | 8 | 138 | -142 | 1 | 240 | 128 |
| 48500 PRACHUAP KHIRIKHAN | 1150N | 09950E | 5 | | 1010.8 | 1011.4 | 27.1 | .2 | 28.4 | -.6 | 10 | 142 | -63 | 2 | | |
| SW PACIFIC | | | | | | | | | | | | | | | | |
| MALAYSIA (PENIN. MALAYSIA) | | | | | | | | | | | | | | | | |
| 48674 MERSING | 0227N | 10350E | 45 | | 1006.1 | 1011.1 | 26.4 | .6 | 30.5 | 1.5 | 19 | 429 | 225 | 6 | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUROPE - NORWAY JAN MAYEN 01001 NOV 2004 7056N 00840W OB 3 | | | | | | | | | EUROPE - NORWAY BJORNOYA 01028 NOV 2004 7431N 01901E OB 3 | | | | | | | | | EUROPE - NORWAY BODO 01152 NOV 2004 6715N 01424E OB 3 | | | | | | | | |
| 030 | 23059 | 0 | -70.5 | 22.6 | 0 | 79 | 301 | 16 | 030 | 22882 | 2 | -71.6 | 24.9 | 2 | 72 | 315 | 13 | 030 | 22996 | 1 | -71.6 | 21.9 | 1 | 84 | 312 | 18 |
| 050 | 19992 | 0 | -65.6 | 24.2 | 0 | 84 | 293 | 15 | 050 | 19784 | 0 | -67.5 | 26.0 | 0 | 76 | 320 | 13 | 050 | 19919 | 0 | -67.7 | 22.6 | 0 | 86 | 306 | 16 |
| 100 | 15703 | 0 | -58.8 | 26.3 | 0 | 87 | 285 | 16 | 100 | 15520 | 0 | -59.8 | 27.5 | 0 | 78 | 312 | 13 | 100 | 15684 | 0 | -60.3 | 23.8 | 0 | 87 | 304 | 17 |
| 150 | 13139 | 0 | -55.3 | 26.5 | 0 | 86 | 280 | 18 | 150 | 12964 | 0 | -55.9 | 28.2 | 0 | 80 | 309 | 15 | 150 | 13138 | 0 | -57.0 | 23.1 | 0 | 85 | 300 | 18 |
| 200 | 11297 | 0 | -54.1 | 22.6 | 0 | 84 | 276 | 19 | 200 | 11129 | 0 | -54.6 | 25.8 | 0 | 79 | 307 | 15 | 200 | 11309 | 0 | -55.3 | 19.0 | 0 | 83 | 300 | 18 |
| 300 | 8695 | 0 | -52.8 | 11.8 | 0 | 72 | 274 | 16 | 300 | 8553 | 0 | -54.8 | 12.8 | 0 | 67 | 302 | 15 | 300 | 8714 | 0 | -52.3 | 11.0 | 0 | 76 | 299 | 19 |
| 500 | 5255 | 0 | -31.1 | 9.5 | 0 | 60 | 286 | 10 | 500 | 5150 | 0 | -34.0 | 9.8 | 0 | 63 | 305 | 11 | 500 | 5275 | 0 | -31.6 | 7.6 | 0 | 77 | 299 | 13 |
| 700 | 2796 | 0 | -16.5 | 10.8 | 0 | 58 | 291 | 7 | 700 | 2721 | 0 | -19.7 | 11.5 | 0 | 55 | 305 | 7 | 700 | 2812 | 0 | -15.0 | 9.4 | 0 | 67 | 290 | 9 |
| 850 | 1318 | 0 | -10.5 | 6.0 | 0 | 34 | 328 | 4 | 850 | 1260 | 0 | -12.8 | 5.4 | 0 | 30 | 338 | 4 | 850 | 1320 | 0 | -6.4 | 4.6 | 0 | 64 | 266 | 8 |
| 1005 | * 9 | | -2.2 | 3.6 | | | | | 998 | * 18 | | -4.3 | 3.0 | | | | | 1000 | * 33 | | 1.1 | 3.2 | | | | |
| EUROPE - NORWAY ORLAND 01241 NOV 2004 6342N 00936E OB 3 | | | | | | | | | EUROPE - NORWAY STAVANGER/SOLA 01415 NOV 2004 5852N 00540E OB 3 | | | | | | | | | EUROPE - SWEDEN SUNDSVALL-HARNOSAND FPL 02365 NOV 2004 6232N 01727E OB 3 | | | | | | | | |
| 030 | 23127 | 1 | -71.4 | 17.1 | 1 | 87 | 307 | 17 | 030 | 23290 | 1 | -69.1 | 18.3 | 1 | 91 | 303 | 15 | 030 | 23121 | 14 | -70.7 | 26.1 | 9 | 87 | 309 | 15 |
| 050 | 20036 | 0 | -67.3 | 18.3 | 0 | 89 | 308 | 16 | 050 | 20192 | 0 | -66.7 | 18.3 | 0 | 89 | 307 | 14 | 050 | 19999 | 5 | -67.7 | 27.5 | 5 | 91 | 304 | 16 |
| 100 | 15797 | 0 | -61.0 | 19.4 | 0 | 87 | 304 | 18 | 100 | 15946 | 0 | -61.4 | 19.0 | 0 | 87 | 309 | 16 | 100 | 15768 | 1 | -61.0 | 29.1 | 1 | 87 | 305 | 16 |
| 150 | 13258 | 0 | -57.5 | 19.0 | 0 | 85 | 303 | 18 | 150 | 13418 | 0 | -59.1 | 17.7 | 0 | 83 | 309 | 19 | 150 | 13225 | 1 | -57.4 | 29.2 | 1 | 84 | 307 | 17 |
| 200 | 11434 | 0 | -56.1 | 15.9 | 0 | 83 | 303 | 21 | 200 | 11611 | 0 | -58.2 | 14.5 | 0 | 78 | 310 | 24 | 200 | 11398 | 1 | -56.1 | 24.6 | 1 | 79 | 304 | 19 |
| 300 | 8842 | 0 | -51.2 | 9.3 | 0 | 78 | 299 | 24 | 300 | 9018 | 0 | -48.3 | 10.4 | 0 | 70 | 309 | 23 | 300 | 8822 | 1 | -52.0 | 13.1 | 3 | 73 | 307 | 21 |
| 500 | 5357 | 0 | -28.9 | 8.1 | 0 | 79 | 291 | 16 | 500 | 5480 | 0 | -24.3 | 9.0 | 0 | 72 | 301 | 16 | 500 | 5343 | 1 | -29.9 | 12.3 | 1 | 73 | 299 | 13 |
| 700 | 2870 | 0 | -12.6 | 9.0 | 0 | 80 | 287 | 11 | 700 | 2951 | 0 | -9.5 | 8.6 | 0 | 68 | 292 | 9 | 700 | 2860 | 1 | -13.3 | 13.3 | 1 | 66 | 294 | 8 |
| 850 | 1363 | 0 | -4.2 | 4.6 | 0 | 70 | 279 | 9 | 850 | 1427 | 0 | -2.1 | 5.5 | 0 | 50 | 278 | 6 | 850 | 1357 | 1 | -5.4 | 9.2 | 1 | 60 | 301 | 7 |
| 1007 | * 10 | | 2.9 | 2.9 | | | | | 1010 | * 14 | | 5.4 | 2.2 | | | | | 1009 | * 6 | | -1.8 | 2.7 | | | | |
| EUROPE - SWEDEN GOTEBORG/LANDVETTER 02527 NOV 2004 5740N 01218E OB 3 | | | | | | | | | EUROPE - FINLAND JYVASKYLA 02935 NOV 2004 6224N 02541E OB 3 | | | | | | | | | EUROPE - UNITED KINGDOM LERWICK 03005 NOV 2004 6008N 00111W OB 3 | | | | | | | | |
| 030 | | | | | | | | | 030 | 23111 | 7 | -71.2 | 19.6 | 7 | 85 | 295 | 14 | 030 | 23268 | 0 | -69.6 | 18.5 | 0 | 89 | 300 | 9 |
| 050 | 20260 | 12 | -65.9 | 23.2 | 9 | 84 | 307 | 10 | 050 | 19971 | 0 | -67.5 | 21.3 | 0 | 86 | 302 | 14 | 050 | 20193 | 0 | -66.7 | 19.0 | 0 | 90 | 302 | 8 |
| 100 | 15938 | 6 | -60.9 | 24.3 | 6 | 78 | 305 | 13 | 100 | 15727 | 0 | -60.9 | 24.0 | 0 | 85 | 302 | 15 | 100 | 15956 | 0 | -61.4 | 18.2 | 0 | 89 | 298 | 9 |
| 150 | 13402 | 6 | -58.2 | 22.7 | 6 | 72 | 310 | 14 | 150 | 13186 | 0 | -57.0 | 24.6 | 0 | 79 | 302 | 15 | 150 | 13423 | 0 | -58.9 | 16.1 | 0 | 86 | 298 | 11 |
| 200 | 11588 | 5 | -57.9 | 17.7 | 5 | 66 | 313 | 18 | 200 | 11360 | 0 | -55.9 | 19.9 | 0 | 76 | 299 | 17 | 200 | 11614 | 0 | -58.2 | 12.3 | 0 | 82 | 298 | 14 |
| 300 | 8992 | 5 | -48.2 | 13.0 | 5 | 59 | 308 | 18 | 300 | 8772 | 0 | -52.3 | 9.9 | 0 | 69 | 298 | 18 | 300 | 9018 | 0 | -47.9 | 9.0 | 0 | 73 | 294 | 13 |
| 500 | 5470 | 5 | -24.3 | 10.6 | 6 | 59 | 304 | 12 | 500 | 5317 | 0 | -30.5 | 10.7 | 0 | 69 | 298 | 12 | 500 | 5477 | 0 | -24.1 | 9.5 | 0 | 76 | 289 | 9 |
| 700 | 2941 | 5 | -9.0 | 9.4 | 5 | 58 | 288 | 8 | 700 | 2845 | 0 | -14.0 | 11.4 | 0 | 67 | 295 | 8 | 700 | 2944 | 0 | -8.8 | 11.0 | 0 | 77 | 279 | 7 |
| 850 | 1417 | 5 | -1.6 | 6.3 | 5 | 63 | 279 | 8 | 850 | 1346 | 0 | -5.8 | 7.1 | 0 | 61 | 291 | 7 | 850 | 1417 | 0 | -1.2 | 5.7 | 0 | 73 | 279 | 5 |
| 1000 | * 155 | | 3.6 | 2.2 | | | | | 990 | * 145 | | -2.5 | 1.5 | | | | | 1002 | * 84 | | 6.4 | 2.4 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUROPE - UNITED KINGDOM CAMBORNE 03808 NOV 2004 5013N 00519W OB 3 | | | | | | | | | EUROPE - IRELAND VALENTIA OBSERVATORY 03953 NOV 2004 5156N 01015W OB 3 | | | | | | | | | EUROPE - NETHERLANDS DE BILT 06260 NOV 2004 5206N 00511E OB 1 | | | | | | | | |
| 030 | 23490 | 0 | -66.8 | | 0 | 91 | 291 | 15 | 030 | 23497 | 0 | -67.0 | 27.9 | 0 | 88 | 297 | 14 | 030 | 23391 | 5 | -67.1 | 20.5 | 5 | 89 | 296 | 16 |
| 050 | 20390 | 0 | -65.9 | | 0 | 86 | 305 | 12 | 050 | 20405 | 0 | -65.9 | 28.0 | 0 | 83 | 301 | 11 | 050 | 20302 | 3 | -65.8 | 20.9 | 3 | 89 | 304 | 14 |
| 100 | 16160 | 0 | -63.6 | | 0 | 77 | 314 | 12 | 100 | 16173 | 0 | -63.6 | 26.9 | 0 | 78 | 303 | 12 | 100 | 16061 | 4 | -62.1 | 21.2 | 4 | 81 | 314 | 15 |
| 150 | 13664 | 0 | -62.5 | | 0 | 74 | 325 | 15 | 150 | 13678 | 0 | -62.9 | 20.4 | 0 | 78 | 304 | 17 | 150 | 13543 | 3 | -60.3 | 18.8 | 3 | 72 | 320 | 16 |
| 200 | 11890 | 0 | -61.2 | | 0 | 73 | 329 | 20 | 200 | 11908 | 0 | -62.0 | 12.3 | 0 | 74 | 307 | 21 | 200 | 11748 | 3 | -60.2 | 12.6 | 4 | 61 | 325 | 18 |
| 300 | 9295 | 0 | -45.5 | | 0 | 67 | 332 | 18 | 300 | 9313 | 0 | -45.1 | 10.8 | 0 | 69 | 302 | 18 | 300 | 9156 | 2 | -47.4 | 8.0 | 2 | 54 | 324 | 17 |
| 500 | 5687 | 0 | -18.3 | 16.2 | 0 | 66 | 326 | 12 | 500 | 5697 | 0 | -17.7 | 17.4 | 0 | 72 | 299 | 14 | 500 | 5583 | 1 | -21.3 | 14.0 | 1 | 56 | 319 | 12 |
| 700 | 3091 | 0 | -1.9 | 23.8 | 0 | 61 | 325 | 8 | 700 | 3096 | 0 | -1.5 | 21.6 | 0 | 70 | 294 | 10 | 700 | 3021 | 1 | -6.1 | 12.8 | 2 | 56 | 310 | 8 |
| 850 | 1532 | 0 | 2.7 | 8.9 | 0 | 55 | 321 | 6 | 850 | 1532 | 0 | 3.1 | 9.6 | 0 | 60 | 287 | 7 | 850 | 1482 | 1 | .1 | 6.6 | 2 | 58 | 304 | 6 |
| 1014 | * 88 | | 10.4 | 2.9 | | | | | 1021 | * 30 | | 10.5 | 2.4 | | | | | 1020 | * 15 | | 6.3 | 1.6 | | | | |
| EUROPE - SWITZERLAND PAYERNE 06610 NOV 2004 4649N 00657E OB 3 | | | | | | | | | EUROPE - FRANCE BREST 07110 NOV 2004 4827N 00425W OB 3 | | | | | | | | | EUROPE - FRANCE NANCY/ESSEY 07180 NOV 2004 4841N 00613E OB 3 | | | | | | | | |
| 030 | 23478 | 0 | -64.9 | | 2 | 94 | 281 | 17 | 030 | 23523 | 10 | -65.6 | | | | | | 030 | | | | | | | | |
| 050 | 20357 | 0 | -64.5 | | 0 | 92 | 294 | 14 | 050 | 20425 | 0 | -65.3 | | 0 | 84 | 307 | 11 | 050 | 20365 | 2 | -64.9 | | 2 | 93 | 299 | 13 |
| 100 | 16109 | 0 | -62.0 | | 0 | 78 | 305 | 11 | 100 | 16184 | 0 | -63.3 | | 0 | 76 | 322 | 11 | 100 | 16104 | 0 | -61.8 | | 0 | 77 | 314 | 12 |
| 150 | 13587 | 0 | -59.6 | | 0 | 65 | 314 | 12 | 150 | 13685 | 0 | -62.1 | | 0 | 69 | 328 | 14 | 150 | 13583 | 0 | -59.2 | | 0 | 67 | 324 | 13 |
| 200 | 11790 | 0 | -59.5 | 10.5 | 0 | 56 | 323 | 13 | 200 | 11911 | 0 | -60.6 | | 0 | 69 | 334 | 18 | 200 | 11786 | 0 | -60.4 | | 0 | 56 | 327 | 16 |
| 300 | 9195 | 0 | -46.9 | 10.6 | 0 | 45 | 326 | 12 | 300 | 9305 | 0 | -44.8 | | 0 | 66 | 335 | 16 | 300 | 9194 | 0 | -46.4 | | 0 | 44 | 330 | 14 |
| 500 | 5617 | 0 | -20.5 | 13.4 | 0 | 42 | 330 | 9 | 500 | 5694 | 0 | -18.1 | 17.9 | 0 | 62 | 338 | 11 | 500 | 5616 | 0 | -20.4 | 11.9 | 0 | 50 | 316 | 10 |
| 700 | 3048 | 0 | -5.1 | 13.4 | 0 | 24 | 336 | 3 | 700 | 3095 | 0 | -1.8 | 19.8 | 0 | 56 | 339 | 7 | 700 | 3046 | 0 | -5.4 | 10.6 | 0 | 42 | 314 | 5 |
| 850 | 1504 | 0 | .8 | 6.5 | 0 | 6 | 359 | 1 | 850 | 1537 | 1 | 2.5 | 8.3 | 1 | 58 | 340 | 6 | 850 | 1503 | 0 | .9 | 5.9 | 0 | 39 | 292 | 4 |
| 963 | * 491 | | 4.4 | 2.8 | | | | | 1013 | * 103 | | 11.1 | 3.0 | | | | | 997 | * 217 | | 5.2 | 1.6 | | | | |
| EUROPE - FRANCE NIMES/COURBESSAC 07645 NOV 2004 4352N 00424E OB 3 | | | | | | | | | EUROPE - FRANCE AJACCIO 07761 NOV 2004 4155N 00848E OB 3 | | | | | | | | | EUROPE - SPAIN LA CORUNA 08001 NOV 2004 4322N 00825W OB 3 | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | | | | | | | | |
| 050 | 20433 | 5 | -63.7 | | 5 | 92 | 297 | 12 | 050 | 20430 | 4 | -62.6 | | 6 | 88 | 279 | 12 | 050 | 20315 | 13 | -65.4 | 19.9 | 9 | 83 | 298 | 5 |
| 100 | 16167 | 1 | -61.7 | | 2 | 81 | 301 | 11 | 100 | 16159 | 0 | -61.5 | | 1 | 84 | 285 | 11 | 100 | 16039 | 8 | -66.1 | 16.1 | 9 | 64 | 317 | 4 |
| 150 | 13642 | 1 | -59.3 | | 1 | 74 | 309 | 13 | 150 | 13633 | 0 | -58.4 | | 1 | 76 | 288 | 11 | 150 | 13568 | 8 | -64.1 | 13.0 | 9 | 57 | 345 | 5 |
| 200 | 11855 | 2 | -59.7 | | 2 | 55 | 323 | 12 | 200 | 11832 | 0 | -58.9 | | 1 | 58 | 294 | 11 | 200 | 11817 | 8 | -64.0 | 9.9 | 9 | 45 | 353 | 5 |
| 300 | 9239 | 1 | -45.8 | | 2 | 35 | 328 | 7 | 300 | 9229 | 0 | -46.0 | | 1 | 33 | 279 | 7 | 300 | 9242 | 7 | -46.9 | 10.8 | 9 | 54 | 4 | 5 |
| 500 | 5648 | 1 | -19.2 | 12.3 | 1 | 36 | 337 | 6 | 500 | 5636 | 0 | -19.2 | 16.0 | 1 | 45 | 286 | 7 | 500 | 5656 | 7 | -20.0 | 18.0 | 7 | 56 | 15 | 4 |
| 700 | 3060 | 1 | -2.4 | 16.8 | 1 | 35 | 322 | 4 | 700 | 3048 | 0 | -2.7 | 14.2 | 1 | 45 | 298 | 5 | 700 | 3079 | 6 | -3.4 | 25.8 | 9 | 47 | 33 | 3 |
| 850 | 1495 | 1 | 4.6 | 10.0 | 2 | 55 | 7 | 6 | 850 | 1485 | 0 | 5.3 | 7.3 | 1 | 33 | 247 | 2 | 850 | 1519 | 5 | 1.6 | 13.9 | 9 | 53 | 57 | 3 |
| 1012 | * 62 | | 8.9 | 5.2 | | | | | 1015 | * 9 | | 16.6 | 8.0 | | | | | 1016 | * 67 | | 12.8 | 3.8 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUROPE - SPAIN SANTANDER 08023 NOV 2004 4328N 00348W OB 3 | | | | | | | | | EUROPE - SPAIN MURCIA 08430 NOV 2004 3800N 00110W OB 3 | | | | | | | | | EUROPE - GIBRALTAR GIBRALTAR 08495 NOV 2004 3609N 00520W OB 3 | | | | | | | | |
| 030 | 23594 | 13 | -63.2 | | 9 | 98 | 289 | 7 | 030 | 23632 | 19 | -59.4 | 30.1 | 9 | 93 | 270 | 7 | 030 | 23724 | 0 | -58.7 | 25.7 | 2 | 94 | 268 | 12 |
| 050 | 20469 | 2 | -62.7 | | 5 | 86 | 299 | 4 | 050 | 20520 | 6 | -61.9 | 28.6 | 9 | 85 | 280 | 4 | 050 | 20535 | 0 | -61.6 | 23.1 | 0 | 80 | 276 | 7 |
| 100 | 16218 | 0 | -62.0 | | 2 | 64 | 320 | 4 | 100 | 16250 | 4 | -62.7 | 28.7 | 9 | 92 | 288 | 5 | 100 | 16271 | 0 | -63.3 | 19.7 | 0 | 87 | 282 | 9 |
| 150 | 13712 | 0 | -60.9 | | 3 | 58 | 338 | 5 | 150 | 13739 | 1 | -59.8 | 27.4 | 7 | 78 | 296 | 5 | 150 | 13766 | 0 | -60.5 | 17.1 | 0 | 78 | 283 | 11 |
| 200 | 11927 | 0 | -60.6 | | 2 | 65 | 9 | 7 | 200 | 11934 | 0 | -58.0 | 22.6 | 6 | 65 | 303 | 5 | 200 | 11966 | 0 | -58.0 | 13.2 | 0 | 65 | 288 | 13 |
| 300 | 9321 | 0 | -45.0 | 15.8 | 1 | 58 | 8 | 7 | 300 | 9317 | 0 | -45.2 | 17.6 | 3 | 46 | 318 | 4 | 300 | 9342 | 0 | -44.0 | 11.6 | 0 | 40 | 300 | 8 |
| 500 | 5705 | 0 | -17.6 | 20.4 | 0 | 64 | 2 | 5 | 500 | 5704 | 0 | -17.6 | 18.2 | 4 | 46 | 317 | 3 | 500 | 5717 | 0 | -17.0 | 14.1 | 0 | 28 | 307 | 3 |
| 700 | 3103 | 0 | -1.6 | 21.7 | 0 | 58 | 6 | 3 | 700 | 3102 | 0 | -1.0 | 18.3 | 4 | 43 | 320 | 2 | 700 | 3106 | 0 | .0 | 15.7 | 0 | 19 | 312 | 2 |
| 850 | 1540 | 0 | 4.0 | 10.0 | 0 | 51 | 359 | 2 | 850 | 1530 | 0 | 7.2 | 14.7 | 4 | 31 | 341 | 1 | 850 | 1525 | 0 | 8.7 | 13.7 | 0 | 12 | 110 | 1 |
| 1016 | * 59 | | 12.8 | 3.3 | | | | | 1013 | * 62 | | 14.0 | 8.0 | | | | | 1019 | * 4 | | 16.5 | 5.2 | | | | |
| EUROPE - PORTUGAL LAJES/SANTA RITA (ACORES) 08508 NOV 2004 3844N 02704W OB 3 | | | | | | | | | EUROPE - GERMANY SCHLESWIG 10035 NOV 2004 5432N 00933E OB 3 | | | | | | | | | EUROPE - GERMANY GREIFSWALD 10184 NOV 2004 5406N 01324E OB 3 | | | | | | | | |
| 030 | 23730 | 21 | -59.5 | | | | | | 030 | 23316 | 0 | -68.1 | | 0 | 90 | 297 | 16 | 030 | 23320 | 0 | -68.2 | | 3 | 89 | 294 | 17 |
| 050 | 20561 | 3 | -62.5 | | | | | | 050 | 20233 | 0 | -66.0 | | 0 | 88 | 302 | 14 | 050 | 20223 | 0 | -66.0 | | 3 | 86 | 304 | 14 |
| 100 | 16316 | 1 | -65.1 | | | | | | 100 | 15990 | 0 | -61.6 | 28.1 | 0 | 84 | 310 | 15 | 100 | 15966 | 0 | -61.2 | 26.3 | 3 | 81 | 310 | 15 |
| 150 | 13837 | 1 | -63.5 | | | | | | 150 | 13462 | 0 | -59.4 | 25.3 | 0 | 76 | 312 | 17 | 150 | 13432 | 0 | -58.9 | 22.5 | 3 | 76 | 311 | 17 |
| 200 | 12061 | 1 | -61.3 | | | | | | 200 | 11658 | 0 | -59.0 | 19.1 | 0 | 68 | 312 | 20 | 200 | 11625 | 0 | -58.6 | 17.8 | 3 | 69 | 311 | 19 |
| 300 | 9439 | 1 | -42.2 | 8.2 | | | | | 300 | 9067 | 0 | -48.6 | 13.3 | 0 | 63 | 313 | 21 | 300 | 9032 | 0 | -48.7 | 12.4 | 3 | 60 | 309 | 19 |
| 500 | 5774 | 1 | -14.0 | 26.8 | | | | | 500 | 5525 | 0 | -23.8 | 13.3 | 0 | 64 | 308 | 13 | 500 | 5502 | 0 | -24.9 | 10.6 | 3 | 58 | 304 | 13 |
| 700 | 3134 | 1 | 3.2 | 31.4 | | | | | 700 | 2988 | 0 | -8.2 | 15.0 | 0 | 65 | 299 | 9 | 700 | 2972 | 0 | -8.7 | 13.3 | 3 | 54 | 301 | 8 |
| 850 | 1543 | 1 | 7.2 | 6.5 | | | | | 850 | 1458 | 0 | -1.2 | 8.1 | 0 | 60 | 300 | 7 | 850 | 1445 | 0 | -1.3 | 8.7 | 3 | 54 | 299 | 7 |
| 1009 | * 113 | | 17.8 | 7.6 | | | | | 1012 | * 48 | | 5.2 | 2.4 | | | | | 1017 | * 6 | | 5.0 | 1.8 | | | | |
| EUROPE - GERMANY EMDEN-FLUGPLATZ 10200 NOV 2004 5323N 00714E OB | | | | | | | | | EUROPE - GERMANY BERGEN 10238 NOV 2004 5249N 00956E OB | | | | | | | | | EUROPE - GERMANY LINDENBERG 10393 NOV 2004 5213N 01407E OB 3 | | | | | | | | |
| 030 | 23383 | 0 | -67.6 | | 0 | 88 | 294 | 15 | 030 | 23340 | 2 | -67.3 | | 4 | 87 | 292 | 15 | 030 | 23355 | 0 | -66.7 | 27.7 | 0 | 90 | 290 | 16 |
| 050 | 20282 | 0 | -66.0 | | 0 | 89 | 303 | 14 | 050 | 20236 | 1 | -65.6 | | 1 | 87 | 303 | 13 | 050 | 20249 | 0 | -65.1 | 27.7 | 0 | 87 | 298 | 13 |
| 100 | 16033 | 0 | -61.8 | 22.6 | 0 | 80 | 312 | 14 | 100 | 15993 | 0 | -61.5 | 10.9 | 0 | 81 | 310 | 14 | 100 | 15987 | 0 | -61.4 | 28.0 | 0 | 82 | 304 | 14 |
| 150 | 13508 | 0 | -59.7 | 19.9 | 0 | 73 | 316 | 17 | 150 | 13470 | 0 | -59.6 | 10.3 | 0 | 75 | 315 | 16 | 150 | 13456 | 0 | -59.0 | 24.7 | 0 | 75 | 308 | 15 |
| 200 | 11706 | 0 | -59.6 | 15.1 | 0 | 66 | 320 | 20 | 200 | 11670 | 0 | -59.1 | 9.9 | 0 | 68 | 315 | 19 | 200 | 11649 | 0 | -58.8 | 17.7 | 0 | 63 | 310 | 15 |
| 300 | 9118 | 0 | -48.1 | 10.1 | 0 | 58 | 320 | 19 | 300 | 9078 | 0 | -48.2 | 9.9 | 0 | 63 | 322 | 20 | 300 | 9055 | 0 | -48.6 | 11.9 | 0 | 53 | 312 | 16 |
| 500 | 5558 | 0 | -22.4 | 11.4 | 0 | 62 | 316 | 13 | 500 | 5534 | 0 | -23.5 | 10.3 | 0 | 61 | 312 | 12 | 500 | 5522 | 0 | -24.6 | 11.5 | 0 | 55 | 301 | 11 |
| 700 | 3006 | 0 | -6.9 | 11.7 | 0 | 59 | 306 | 8 | 700 | 2995 | 0 | -8.0 | 10.0 | 0 | 56 | 302 | 8 | 700 | 2989 | 0 | -8.3 | 11.6 | 0 | 56 | 296 | 8 |
| 850 | 1470 | 0 | -.2 | 6.7 | 0 | 59 | 297 | 6 | 850 | 1465 | 0 | -.8 | 6.4 | 0 | 56 | 297 | 6 | 850 | 1458 | 0 | -.7 | 7.7 | 0 | 59 | 299 | 7 |
| 1019 | * 5 | | 6.6 | 2.0 | | | | | 1010 | * 69 | | 4.7 | 1.8 | | | | | 1004 | * 104 | | 4.5 | 1.9 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| EUROPE - GERMANY ESSEN 10410 NOV 2004 5124N 00658E OB 3 | | | | | | | | EUROPE - GERMANY MEININGEN 10548 NOV 2004 5034N 01023E OB 3 | | | | | | | | EUROPE - GERMANY STUTTGART/SCHNARRENBERG 10739 NOV 2004 4850N 00912E OB 3 | | | | | | | | | | | | | | |
| 030 | 23359 | 5 | -67.8 | 23.8 | 5 | 92 | 294 | 19 | 030 | 23401 | 0 | -66.6 | | 0 | 91 | 290 | 16 | 030 | 23450 | 1 | -65.4 | 25.2 | 1 | 94 | 290 | 16 | | | | |
| 050 | 20277 | 5 | -66.7 | 24.2 | 5 | 91 | 302 | 17 | 050 | 20300 | 0 | -65.3 | | 0 | 90 | 301 | 14 | 050 | 20331 | 1 | -64.8 | 24.9 | 1 | 92 | 300 | 15 | | | | |
| 100 | 16042 | 5 | -62.8 | 24.2 | 5 | 87 | 310 | 17 | 100 | 16043 | 0 | -61.4 | 25.9 | 0 | 79 | 308 | 13 | 100 | 16080 | 1 | -61.6 | 24.6 | 1 | 79 | 308 | 13 | | | | |
| 150 | 13535 | 5 | -61.3 | 20.7 | 5 | 74 | 315 | 17 | 150 | 13514 | 0 | -59.2 | 23.1 | 0 | 71 | 311 | 14 | 150 | 13555 | 1 | -59.7 | 22.6 | 1 | 66 | 310 | 13 | | | | |
| 200 | 11750 | 5 | -61.4 | 11.8 | 5 | 64 | 318 | 19 | 200 | 11714 | 0 | -59.4 | 16.5 | 0 | 63 | 318 | 16 | 200 | 11757 | 1 | -60.0 | 13.9 | 1 | 59 | 321 | 15 | | | | |
| 300 | 9169 | 5 | -47.4 | 9.1 | 5 | 60 | 315 | 19 | 300 | 9119 | 0 | -47.9 | 12.4 | 0 | 52 | 325 | 16 | 300 | 9165 | 1 | -47.5 | 10.5 | 1 | 47 | 327 | 14 | | | | |
| 500 | 5593 | 5 | -21.7 | 11.0 | 5 | 62 | 307 | 13 | 500 | 5566 | 0 | -23.1 | 12.7 | 0 | 48 | 313 | 10 | 500 | 5596 | 1 | -21.7 | 13.0 | 1 | 47 | 317 | 9 | | | | |
| 700 | 3032 | 5 | -5.7 | 13.0 | 5 | 62 | 289 | 8 | 700 | 3018 | 0 | -6.8 | 13.5 | 0 | 51 | 302 | 7 | 700 | 3039 | 1 | -6.2 | 11.6 | 1 | 40 | 296 | 5 | | | | |
| 850 | 1489 | 5 | .6 | 5.6 | 5 | 64 | 282 | 6 | 850 | 1481 | 0 | -.4 | 7.4 | 0 | 54 | 297 | 6 | 850 | 1497 | 1 | .4 | 6.4 | 1 | 43 | 289 | 4 | | | | |
| 1003 | * 153 | | 5.8 | 1.7 | | | | | 966 | * 453 | | 3.6 | 1.6 | | | | | 983 | * 315 | | 5.1 | 3.2 | | | | | | | | |
| EUROPE - GERMANY MUENCHEN-OBERSCHLEISSHEIM 10868 NOV 2004 4815N 01133E OB 3 | | | | | | | | EUROPE - AUSTRIA WIEN/HOHE WARTE 11035 NOV 2004 4814N 01621E OB 3 | | | | | | | | EUROPE - CZECH REPUBLIC PRAHA-LIBUS 11520 NOV 2004 5000N 01427E OB 3 | | | | | | | | | | | | | | |
| 030 | 23450 | 2 | -65.3 | 26.6 | 2 | 96 | 286 | 18 | 030 | 23443 | 5 | -64.6 | | 5 | 95 | 285 | 16 | 030 | 23413 | 0 | -65.3 | 27.5 | 0 | 94 | 286 | 17 | | | | |
| 050 | 20334 | 1 | -64.0 | 26.9 | 1 | 90 | 298 | 14 | 050 | 20315 | 3 | -64.0 | | 3 | 91 | 287 | 12 | 050 | 20295 | 0 | -64.8 | 27.9 | 0 | 92 | 296 | 14 | | | | |
| 100 | 16067 | 1 | -61.5 | 26.6 | 1 | 81 | 303 | 13 | 100 | 16036 | 1 | -60.4 | | 1 | 83 | 298 | 12 | 100 | 16028 | 0 | -61.2 | 28.1 | 0 | 83 | 302 | 13 | | | | |
| 150 | 13542 | 1 | -59.1 | 24.4 | 1 | 73 | 302 | 13 | 150 | 13509 | 1 | -59.7 | | 1 | 78 | 292 | 15 | 150 | 13497 | 0 | -58.7 | 24.7 | 0 | 76 | 305 | 14 | | | | |
| 200 | 11738 | 1 | -59.1 | 16.2 | 1 | 60 | 314 | 14 | 200 | 11708 | 1 | -59.2 | | 1 | 66 | 288 | 14 | 200 | 11691 | 0 | -59.0 | 16.5 | 0 | 65 | 306 | 15 | | | | |
| 300 | 9146 | 1 | -47.7 | 11.2 | 1 | 47 | 303 | 13 | 300 | 9119 | 1 | -48.2 | | 1 | 50 | 282 | 13 | 300 | 9098 | 0 | -47.9 | 12.9 | 0 | 55 | 302 | 14 | | | | |
| 500 | 5586 | 1 | -22.4 | 11.6 | 1 | 43 | 297 | 8 | 500 | 5567 | 0 | -22.6 | 9.9 | 0 | 51 | 280 | 9 | 500 | 5555 | 0 | -23.5 | 10.5 | 0 | 52 | 300 | 10 | | | | |
| 700 | 3035 | 1 | -6.7 | 10.4 | 1 | 51 | 283 | 7 | 700 | 3018 | 0 | -6.8 | 11.6 | 0 | 54 | 296 | 8 | 700 | 3012 | 0 | -7.2 | 11.0 | 0 | 57 | 293 | 8 | | | | |
| 850 | 1494 | 1 | .9 | 7.1 | 1 | 57 | 274 | 6 | 850 | 1478 | 0 | 1.2 | 6.1 | 0 | 54 | 299 | 7 | 850 | 1477 | 0 | .2 | 6.4 | 0 | 53 | 294 | 6 | | | | |
| 963 | * 489 | | 3.7 | 2.5 | | | | | 995 | * 200 | | 6.5 | 4.0 | | | | | 983 | * 303 | | 4.9 | 2.5 | | | | | | | | |
| EUROPE - SLOVAKIA POPRAD-GANOVCE 11952 NOV 2004 4902N 02019E OB 3 | | | | | | | | EUROPE - POLAND LEBA 12120 NOV 2004 5445N 01732E OB 3 | | | | | | | | EUROPE - YUGOSLAVIA BEOGRAD/KOSUTNJAK 13275 NOV 2004 4446N 02025E OB 1 | | | | | | | | | | | | | | |
| 030 | 23378 | 0 | -65.3 | 24.2 | 2 | 95 | 278 | 16 | 030 | 23273 | 0 | -68.4 | 23.8 | 1 | 93 | 290 | 17 | 030 | | | | | | | | | | | | |
| 050 | 20261 | 0 | -64.6 | 24.4 | 2 | 94 | 288 | 14 | 050 | 20184 | 0 | -66.0 | 24.6 | 0 | 88 | 298 | 14 | 050 | | | | | | | | | | | | |
| 100 | 15993 | 0 | -61.2 | 25.4 | 0 | 88 | 291 | 14 | 100 | 15927 | 0 | -61.0 | 26.1 | 0 | 80 | 303 | 14 | 100 | 16076 | 2 | -60.8 | | 3 | 88 | 283 | 13 | | | | |
| 150 | 13466 | 0 | -59.1 | 22.7 | 0 | 78 | 289 | 14 | 150 | 13392 | 0 | -58.5 | 24.4 | 0 | 75 | 304 | 15 | 150 | 13550 | 1 | -59.2 | | 2 | 78 | 286 | 15 | | | | |
| 200 | 11664 | 0 | -59.6 | 14.6 | 0 | 65 | 285 | 15 | 200 | 11584 | 0 | -58.1 | 17.7 | 0 | 68 | 307 | 18 | 200 | 11749 | 0 | -59.7 | | 1 | 64 | 277 | 15 | | | | |
| 300 | 9085 | 0 | -49.2 | 8.8 | 0 | 54 | 275 | 15 | 300 | 8996 | 0 | -49.5 | 11.5 | 0 | 54 | 303 | 16 | 300 | 9162 | 0 | -47.7 | | 0 | 47 | 286 | 13 | | | | |
| 500 | 5545 | 0 | -23.2 | 10.1 | 0 | 54 | 281 | 10 | 500 | 5476 | 0 | -25.3 | 11.3 | 0 | 57 | 300 | 12 | 500 | 5596 | 0 | -21.9 | 10.8 | 1 | 44 | 279 | 8 | | | | |
| 700 | 2998 | 0 | -6.9 | 10.6 | 0 | 56 | 294 | 8 | 700 | 2953 | 0 | -9.3 | 12.1 | 0 | 59 | 294 | 8 | 700 | 3036 | 0 | -5.4 | 10.5 | 1 | 47 | 292 | 5 | | | | |
| 850 | 1462 | 0 | .2 | 4.3 | 0 | 54 | 277 | 5 | 850 | 1430 | 0 | -1.9 | 6.2 | 0 | 56 | 291 | 7 | 850 | 1488 | 0 | 2.8 | 8.8 | 2 | 50 | 300 | 5 | | | | |
| 934 | * 706 | | 3.0 | 3.6 | | | | | 1015 | * 2 | | 5.2 | 2.8 | | | | | 995 | * 203 | | 6.3 | 3.5 | | | | | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASIA - RUSSIAN FEDERATION (IN ASIA) SYKTYVKAR 23804 NOV 2004 6140N 05051E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) OLENEK 24125 NOV 2004 6830N 11226E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) VERHOJANSK 24266 NOV 2004 6734N 13324E OB 3 | | | | | | | | |
| 030 | 22960 | 6 | -70.0 | 7.1 | 8 | 81 | 268 | 16 | 030 | 23106 | 13 | -60.2 | 8.7 | 9 | 92 | 253 | 16 | 030 | 22929 | 4 | -61.4 | 8.1 | 4 | 89 | 240 | 17 |
| 050 | 19863 | 0 | -68.0 | 7.3 | 1 | 81 | 274 | 16 | 050 | 19894 | 7 | -59.6 | 8.3 | 8 | 92 | 262 | 15 | 050 | 19751 | 1 | -60.4 | 8.0 | 1 | 87 | 246 | 12 |
| 100 | 15629 | 0 | -61.7 | 7.2 | 0 | 79 | 266 | 14 | 100 | 15487 | 0 | -57.2 | 7.5 | 0 | 89 | 284 | 13 | 100 | 15419 | 1 | -57.1 | 7.0 | 1 | 79 | 259 | 8 |
| 150 | 13099 | 0 | -58.4 | 6.9 | 0 | 77 | 269 | 16 | 150 | 12901 | 0 | -55.1 | 6.7 | 0 | 86 | 290 | 13 | 150 | 12844 | 1 | -55.0 | 6.1 | 1 | 70 | 269 | 7 |
| 200 | 11282 | 0 | -56.9 | 6.2 | 0 | 71 | 270 | 17 | 200 | 11064 | 0 | -54.8 | 5.6 | 0 | 81 | 293 | 14 | 200 | 11009 | 0 | -55.7 | 4.9 | 0 | 57 | 276 | 6 |
| 300 | 8709 | 0 | -53.5 | 5.3 | 0 | 61 | 269 | 18 | 300 | 8484 | 0 | -54.7 | 4.1 | 0 | 73 | 299 | 16 | 300 | 8448 | 0 | -57.2 | 3.4 | 0 | 40 | 279 | 6 |
| 500 | 5265 | 0 | -31.0 | 6.7 | 0 | 60 | 272 | 13 | 500 | 5103 | 0 | -36.2 | 4.2 | 0 | 63 | 301 | 10 | 500 | 5102 | 0 | -37.9 | 3.6 | 0 | 34 | 266 | 4 |
| 700 | 2809 | 0 | -16.2 | 5.1 | 0 | 64 | 268 | 9 | 700 | 2707 | 0 | -22.6 | 3.8 | 0 | 62 | 291 | 7 | 700 | 2716 | 0 | -24.2 | 3.6 | 0 | 54 | 240 | 4 |
| 850 | 1326 | 0 | -9.3 | 3.6 | 0 | 58 | 267 | 6 | 850 | 1269 | 0 | -17.3 | 3.0 | 0 | 65 | 283 | 7 | 850 | 1288 | 0 | -19.8 | 3.1 | 1 | 66 | 215 | 4 |
| 993 | * 116 | | -5.8 | 1.8 | | | | | 981 | * 220 | | -22.9 | 3.1 | | | | | 995 | * 138 | | -33.3 | 2.9 | | | | |
| ASIA - RUSSIAN FEDERATION (IN ASIA) TURA 24507 NOV 2004 6416N 10014E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) JAKUTSK 24959 NOV 2004 6201N 12943E OB 0 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) SEJMCHAN 25703 NOV 2004 6255N 15225E OB 3 | | | | | | | | |
| 030 | 23023 | 9 | -64.1 | 10.4 | 9 | 95 | 254 | 21 | 030 | 23222 | 3 | -56.3 | 10.2 | 3 | 93 | 253 | 19 | 030 | 23302 | 4 | -54.3 | 11.4 | 5 | 85 | 249 | 19 |
| 050 | 19896 | 4 | -63.1 | 10.5 | 4 | 90 | 269 | 16 | 050 | 19979 | 0 | -56.9 | 9.4 | 0 | 94 | 259 | 17 | 050 | 20036 | 2 | -54.9 | 10.5 | 2 | 86 | 254 | 13 |
| 100 | 15586 | 4 | -58.7 | 9.8 | 4 | 87 | 280 | 15 | 100 | 15562 | 0 | -55.2 | 8.4 | 0 | 86 | 275 | 13 | 100 | 15603 | 2 | -53.4 | 9.2 | 2 | 81 | 261 | 10 |
| 150 | 13023 | 4 | -55.8 | 8.8 | 4 | 86 | 281 | 15 | 150 | 12967 | 0 | -53.9 | 7.2 | 0 | 84 | 283 | 12 | 150 | 12988 | 2 | -52.8 | 7.9 | 2 | 76 | 267 | 9 |
| 200 | 11203 | 3 | -56.5 | 7.3 | 4 | 84 | 290 | 17 | 200 | 11123 | 0 | -54.5 | 5.8 | 0 | 76 | 287 | 13 | 200 | 11137 | 2 | -54.4 | 6.1 | 2 | 71 | 271 | 9 |
| 300 | 8641 | 2 | -54.9 | 5.5 | 2 | 83 | 293 | 20 | 300 | 8548 | 0 | -55.5 | 3.9 | 0 | 61 | 290 | 15 | 300 | 8552 | 2 | -54.7 | 4.1 | 2 | 55 | 264 | 9 |
| 500 | 5236 | 1 | -33.0 | 5.8 | 1 | 80 | 291 | 16 | 500 | 5164 | 0 | -35.6 | 4.1 | 0 | 64 | 294 | 11 | 500 | 5159 | 2 | -35.5 | 5.7 | 2 | 37 | 255 | 4 |
| 700 | 2799 | 1 | -19.5 | 7.2 | 1 | 75 | 285 | 11 | 700 | 2759 | 0 | -22.4 | 3.3 | 0 | 64 | 296 | 7 | 700 | 2748 | 1 | -22.0 | 6.1 | 1 | 11 | 291 | 1 |
| 850 | 1338 | 1 | -13.9 | 3.9 | 1 | 71 | 278 | 9 | 850 | 1319 | 0 | -17.0 | 3.2 | 0 | 56 | 291 | 5 | 850 | 1308 | 1 | -19.0 | 5.3 | 4 | 40 | 317 | 3 |
| 990 | * 168 | | -16.9 | 3.9 | | | | | 1000 | * 101 | | -24.6 | 3.4 | | | | | 988 | * 205 | | -31.3 | 3.2 | | | | |
| ASIA - RUSSIAN FEDERATION (IN ASIA) KORF 25954 NOV 2004 6021N 16600E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) VERHNEE DUBROVO 28445 NOV 2004 5644N 06104E OB 0 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) OMSK 28698 NOV 2004 5456N 07324E OB 3 | | | | | | | | |
| 030 | 23455 | 18 | -51.1 | 11.7 | 9 | 79 | 252 | 15 | 030 | 23197 | 5 | -67.0 | 9.5 | 6 | 87 | 267 | 19 | 030 | 23250 | 0 | -64.4 | 10.4 | 0 | 93 | 264 | 23 |
| 050 | 20150 | 14 | -51.6 | 11.1 | 9 | 79 | 252 | 13 | 050 | 20079 | 0 | -65.7 | 8.9 | 0 | 87 | 267 | 18 | 050 | 20136 | 0 | -63.7 | 9.8 | 0 | 91 | 269 | 20 |
| 100 | 15665 | 10 | -50.9 | 9.7 | 9 | 81 | 267 | 11 | 100 | 15823 | 0 | -61.1 | 8.3 | 0 | 84 | 270 | 17 | 100 | 15866 | 0 | -60.3 | 9.0 | 0 | 84 | 273 | 18 |
| 150 | 13035 | 8 | -51.0 | 8.2 | 9 | 74 | 261 | 10 | 150 | 13287 | 0 | -58.7 | 7.7 | 0 | 78 | 268 | 18 | 150 | 13328 | 0 | -58.5 | 7.8 | 0 | 82 | 273 | 18 |
| 200 | 11170 | 7 | -51.8 | 6.2 | 7 | 67 | 272 | 9 | 200 | 11474 | 0 | -58.2 | 7.0 | 0 | 74 | 270 | 19 | 200 | 11524 | 0 | -58.6 | 6.9 | 0 | 76 | 271 | 19 |
| 300 | 8561 | 6 | -55.0 | 4.5 | 6 | 37 | 277 | 7 | 300 | 8888 | 0 | -49.9 | 6.4 | 0 | 65 | 274 | 18 | 300 | 8945 | 0 | -49.9 | 6.8 | 0 | 71 | 269 | 19 |
| 500 | 5163 | 6 | -34.3 | 5.9 | 6 | 35 | 309 | 5 | 500 | 5385 | 0 | -27.1 | 9.2 | 0 | 69 | 270 | 15 | 500 | 5438 | 0 | -26.0 | 10.0 | 0 | 76 | 262 | 15 |
| 700 | 2731 | 6 | -18.8 | 6.9 | 6 | 30 | 327 | 3 | 700 | 2887 | 0 | -12.6 | 8.0 | 0 | 70 | 267 | 11 | 700 | 2930 | 0 | -11.1 | 9.6 | 0 | 77 | 260 | 12 |
| 850 | 1265 | 6 | -12.6 | 3.7 | 9 | 45 | 341 | 4 | 850 | 1385 | 0 | -6.3 | 5.5 | 0 | 71 | 269 | 10 | 850 | 1424 | 0 | -4.9 | 6.9 | 0 | 74 | 254 | 10 |
| 1001 | * 4 | | -11.8 | 3.8 | | | | | 978 | * 290 | | -3.4 | 3.1 | | | | | 1007 | * 90 | | -3.0 | 2.6 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASIA - RUSSIAN FEDERATION (IN ASIA) KOLPASEVO 29231 NOV 2004 5819N 08254E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) EMEL'JANOVO 29572 NOV 2004 5611N 09237E OB 0 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) KIRENSK 30230 NOV 2004 5746N 10804E OB 0 | | | | | | | | |
| 030 | 23186 | 14 | -65.4 | 8.6 | 9 | 93 | 270 | 19 | 030 | 23255 | 15 | -62.4 | 23.4 | 9 | 95 | 266 | 26 | 030 | 23247 | 7 | -59.3 | 10.6 | 9 | 95 | 268 | 27 |
| 050 | 20083 | 6 | -64.1 | 8.3 | 9 | 94 | 271 | 19 | 050 | 20098 | 1 | -62.1 | 19.4 | 1 | 96 | 272 | 19 | 050 | 20095 | 2 | -59.6 | 10.2 | 2 | 94 | 272 | 17 |
| 100 | 15804 | 2 | -59.5 | 7.3 | 3 | 85 | 281 | 17 | 100 | 15789 | 0 | -59.5 | 18.6 | 0 | 89 | 286 | 16 | 100 | 15741 | 2 | -57.5 | 9.0 | 2 | 90 | 284 | 15 |
| 150 | 13258 | 2 | -58.0 | 6.2 | 2 | 81 | 279 | 17 | 150 | 13248 | 0 | -58.5 | 14.9 | 0 | 86 | 290 | 17 | 150 | 13172 | 2 | -56.4 | 7.7 | 2 | 86 | 290 | 14 |
| 200 | 11453 | 1 | -58.8 | 4.9 | 1 | 74 | 281 | 18 | 200 | 11447 | 0 | -59.9 | 10.0 | 0 | 80 | 291 | 17 | 200 | 11353 | 2 | -57.7 | 6.4 | 2 | 80 | 297 | 16 |
| 300 | 8879 | 1 | -51.2 | 4.6 | 1 | 69 | 280 | 18 | 300 | 8899 | 0 | -53.3 | 7.8 | 0 | 73 | 290 | 18 | 300 | 8788 | 2 | -54.1 | 5.4 | 2 | 69 | 297 | 16 |
| 500 | 5391 | 1 | -28.0 | 6.2 | 1 | 77 | 275 | 15 | 500 | 5434 | 0 | -28.8 | 10.4 | 0 | 80 | 281 | 15 | 500 | 5345 | 2 | -31.7 | 8.9 | 2 | 78 | 292 | 14 |
| 700 | 2903 | 1 | -12.9 | 6.9 | 0 | 81 | 263 | 12 | 700 | 2949 | 0 | -13.9 | 9.4 | 0 | 88 | 272 | 13 | 700 | 2898 | 2 | -18.1 | 7.5 | 2 | 80 | 282 | 10 |
| 850 | 1406 | 0 | -6.8 | 4.8 | 0 | 71 | 253 | 9 | 850 | 1451 | 0 | -6.9 | 8.5 | 0 | 90 | 262 | 12 | 850 | 1429 | 2 | -12.2 | 5.0 | 2 | 81 | 268 | 8 |
| 1007 | * 75 | | -5.0 | 1.5 | | | | | 996 | * 206 | | -6.2 | 3.8 | | | | | 990 | * 259 | | -11.8 | 2.9 | | | | |
| ASIA - RUSSIAN FEDERATION (IN ASIA) CHITA 30758 NOV 2004 5205N 11329E OB 0 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) ALDAN 31004 NOV 2004 5837N 12522E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) OHOTSK 31088 NOV 2004 5922N 14312E OB 3 | | | | | | | | |
| 030 | 23373 | 4 | -54.3 | 9.5 | 4 | 93 | 255 | 20 | 030 | 23263 | 4 | -55.3 | 8.0 | 4 | 93 | 255 | 23 | 030 | 23386 | 23 | -51.1 | 12.1 | 9 | 92 | 246 | 21 |
| 050 | 20130 | 0 | -57.2 | 8.6 | 0 | 94 | 268 | 16 | 050 | 20043 | 1 | -56.9 | 7.4 | 2 | 93 | 263 | 18 | 050 | 20102 | 14 | -53.4 | 11.4 | 9 | 89 | 259 | 16 |
| 100 | 15759 | 0 | -57.0 | 7.4 | 0 | 90 | 278 | 14 | 100 | 15651 | 1 | -55.5 | 6.4 | 1 | 87 | 276 | 15 | 100 | 15605 | 8 | -53.4 | 9.5 | 8 | 83 | 273 | 13 |
| 150 | 13189 | 0 | -56.5 | 6.3 | 0 | 85 | 286 | 15 | 150 | 13049 | 0 | -54.5 | 5.7 | 0 | 83 | 285 | 14 | 150 | 13000 | 7 | -52.8 | 8.1 | 7 | 78 | 281 | 13 |
| 200 | 11370 | 0 | -57.8 | 5.2 | 0 | 73 | 294 | 15 | 200 | 11216 | 0 | -55.6 | 4.3 | 0 | 78 | 293 | 16 | 200 | 11158 | 6 | -53.4 | 6.7 | 6 | 75 | 289 | 14 |
| 300 | 8811 | 0 | -54.2 | 4.3 | 0 | 63 | 303 | 15 | 300 | 8644 | 0 | -54.2 | 3.3 | 0 | 62 | 296 | 15 | 300 | 8564 | 5 | -53.6 | 5.2 | 5 | 62 | 287 | 16 |
| 500 | 5378 | 0 | -30.6 | 6.4 | 0 | 73 | 308 | 12 | 500 | 5237 | 0 | -34.0 | 3.3 | 0 | 70 | 301 | 13 | 500 | 5150 | 4 | -34.2 | 7.5 | 4 | 69 | 294 | 10 |
| 700 | 2918 | 0 | -16.1 | 6.2 | 0 | 74 | 318 | 9 | 700 | 2817 | 0 | -20.6 | 3.4 | 0 | 75 | 302 | 10 | 700 | 2733 | 4 | -20.8 | 7.8 | 4 | 72 | 326 | 6 |
| 850 | 1440 | 0 | -10.1 | 5.6 | 0 | 72 | 305 | 7 | 850 | 1368 | 0 | -15.6 | 2.8 | 0 | 79 | 286 | 9 | 850 | 1283 | 4 | -14.8 | 6.6 | 4 | 62 | 324 | 4 |
| 939 | * 671 | | -11.5 | 4.8 | | | | | 931 | * 79 | | -13.0 | 3.7 | | | | | 1006 | * 6 | | -16.1 | 5.5 | | | | |
| ASIA - RUSSIAN FEDERATION (IN ASIA) BLAGOVESCHENSK 31510 NOV 2004 5032N 12730E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) HABAROVSK 31736 NOV 2004 4832N 13514E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) VLADIVOSTOK (SAD GOROD) 31977 NOV 2004 4316N 13203E OB 3 | | | | | | | | |
| 030 | 23631 | 14 | -50.4 | 14.1 | 9 | 91 | 251 | 16 | 030 | 23692 | 10 | -52.2 | 11.4 | 9 | 92 | 261 | 18 | 030 | 23735 | 21 | -55.2 | 13.6 | 9 | 91 | 263 | 15 |
| 050 | 20293 | 6 | -53.3 | 13.0 | 9 | 95 | 264 | 20 | 050 | 20395 | 9 | -53.8 | 10.7 | 9 | 96 | 259 | 20 | 050 | 20500 | 9 | -54.8 | 13.2 | 9 | 97 | 255 | 18 |
| 100 | 15890 | 4 | -53.8 | 11.1 | 4 | 93 | 263 | 18 | 100 | 15948 | 5 | -54.5 | 9.3 | 5 | 95 | 262 | 23 | 100 | 16087 | 2 | -55.7 | 11.2 | 2 | 98 | 259 | 29 |
| 150 | 13252 | 4 | -53.9 | 9.6 | 4 | 89 | 265 | 18 | 150 | 13345 | 5 | -54.3 | 8.3 | 5 | 92 | 262 | 23 | 150 | 13503 | 1 | -54.6 | 10.1 | 1 | 97 | 258 | 30 |
| 200 | 11411 | 4 | -55.1 | 8.4 | 4 | 78 | 273 | 17 | 200 | 11504 | 3 | -54.8 | 7.2 | 3 | 86 | 265 | 23 | 200 | 11656 | 0 | -54.8 | 9.1 | 0 | 95 | 260 | 33 |
| 300 | 8816 | 2 | -51.2 | 7.7 | 2 | 65 | 278 | 19 | 300 | 8888 | 1 | -48.6 | 6.8 | 1 | 74 | 269 | 22 | 300 | 9044 | 1 | -48.0 | 8.3 | 0 | 84 | 266 | 27 |
| 500 | 5341 | 2 | -29.5 | 8.5 | 3 | 71 | 273 | 13 | 500 | 5389 | 0 | -27.2 | 7.4 | 0 | 78 | 273 | 16 | 500 | 5506 | 0 | -23.8 | 10.6 | 0 | 85 | 274 | 18 |
| 700 | 2881 | 2 | -15.4 | 8.4 | 2 | 73 | 279 | 10 | 700 | 2900 | 0 | -12.9 | 8.7 | 0 | 75 | 275 | 11 | 700 | 2981 | 0 | -9.3 | 13.8 | 0 | 77 | 284 | 11 |
| 850 | 1399 | 3 | -9.3 | 8.0 | 3 | 72 | 284 | 8 | 850 | 1406 | 0 | -7.2 | 6.2 | 0 | 75 | 269 | 9 | 850 | 1466 | 0 | -3.5 | 8.4 | 0 | 63 | 301 | 8 |
| 996 | * 177 | | -10.5 | 4.6 | | | | | 1008 | * 72 | | -4.3 | 4.4 | | | | | 1010 | * 82 | | 1.7 | 6.6 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASIA - RUSSIAN FEDERATION (IN ASIA) JUZHNO-SAHALINSK 32150 NOV 2004 4657N 14243E OB 1 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) PETROPAVLOVSK- KAMCATSKIJ 32540 NOV 2004 5305N 15835E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (IN ASIA) ORENBURG 35121 NOV 2004 5141N 05506E OB 3 | | | | | | | | |
| 030 | 23717 | 18 | -53.1 | 13.6 | 9 | 87 | 279 | 13 | 030 | 23664 | 3 | -50.4 | 14.0 | 3 | 84 | 265 | 15 | 030 | 23396 | 9 | -64.9 | 10.1 | 9 | 93 | 263 | 21 |
| 050 | 20443 | 6 | -53.3 | 13.7 | 6 | 96 | 266 | 19 | 050 | 20329 | 2 | -50.6 | 13.8 | 2 | 92 | 265 | 18 | 050 | 20225 | 1 | -63.5 | 9.7 | 1 | 92 | 261 | 18 |
| 100 | 15979 | 2 | -53.9 | 11.9 | 2 | 96 | 265 | 26 | 100 | 15806 | 0 | -52.6 | 11.2 | 0 | 95 | 270 | 20 | 100 | 15946 | 0 | -60.6 | 8.8 | 0 | 89 | 261 | 17 |
| 150 | 13378 | 1 | -53.9 | 10.6 | 1 | 96 | 266 | 29 | 150 | 13184 | 0 | -51.8 | 9.4 | 0 | 93 | 272 | 22 | 150 | 13409 | 0 | -58.5 | 7.6 | 0 | 85 | 260 | 17 |
| 200 | 11534 | 0 | -53.9 | 9.2 | 0 | 92 | 266 | 30 | 200 | 11328 | 0 | -53.3 | 7.6 | 0 | 91 | 273 | 24 | 200 | 11606 | 0 | -59.0 | 6.6 | 0 | 77 | 256 | 18 |
| 300 | 8919 | 0 | -48.8 | 8.4 | 0 | 86 | 272 | 26 | 300 | 8725 | 0 | -50.8 | 6.2 | 0 | 76 | 275 | 21 | 300 | 9025 | 0 | -49.0 | 6.2 | 0 | 76 | 252 | 19 |
| 500 | 5412 | 0 | -25.9 | 9.9 | 0 | 85 | 278 | 17 | 500 | 5258 | 0 | -29.9 | 7.4 | 0 | 62 | 279 | 11 | 500 | 5489 | 0 | -23.0 | 8.7 | 0 | 79 | 261 | 15 |
| 700 | 2901 | 0 | -11.6 | 12.3 | 0 | 80 | 278 | 12 | 700 | 2788 | 0 | -14.5 | 10.2 | 0 | 53 | 288 | 7 | 700 | 2952 | 0 | -8.2 | 9.2 | 0 | 74 | 257 | 10 |
| 850 | 1399 | 0 | -5.1 | 6.8 | 0 | 69 | 282 | 8 | 850 | 1317 | 0 | -7.9 | 6.5 | 0 | 45 | 310 | 5 | 850 | 1431 | 0 | -3.0 | 4.7 | 0 | 55 | 255 | 7 |
| 1011 | * 24 | | .0 | 2.8 | | | | | 993 | * 84 | | -2.4 | 6.5 | | | | | 1003 | * 117 | | 1.5 | 3.4 | | | | |
| ASIA - SAUDI ARABIA HAFR AL-BATIN 40373 NOV 2004 2820N 04607E OB | | | | | | | | | ASIA - SAUDI ARABIA TABUK 40375 NOV 2004 2822N 03636E OB 3 | | | | | | | | | ASIA - SAUDI ARABIA KING FAHAD INT. AIRPORT 40417 NOV 2004 2627N 04949E OB 3 | | | | | | | | |
| 030 | 23773 | 24 | -54.5 | 17.3 | 9 | 91 | 251 | 5 | 030 | 23772 | 4 | -56.1 | 18.4 | 4 | 68 | 270 | 4 | 030 | 23802 | 21 | -56.5 | 21.5 | 9 | 79 | 255 | 5 |
| 050 | 20560 | 24 | -61.8 | 16.7 | 9 | 84 | 258 | 6 | 050 | 20568 | 4 | -61.9 | 17.7 | 4 | 82 | 257 | 7 | 050 | 20600 | 19 | -63.4 | 19.4 | 9 | 94 | 258 | 5 |
| 100 | 16347 | 24 | -68.5 | 18.1 | 9 | 98 | 264 | 21 | 100 | 16372 | 2 | -68.7 | 18.0 | 2 | 96 | 269 | 28 | 100 | 16435 | 13 | -69.5 | 20.1 | 9 | 97 | 261 | 23 |
| 150 | 13904 | 24 | -64.3 | 17.2 | 9 | 99 | 257 | 32 | 150 | 13923 | 0 | -63.7 | 18.2 | 0 | 94 | 271 | 39 | 150 | 14006 | 8 | -64.4 | 19.2 | 9 | 96 | 266 | 31 |
| 200 | 12120 | 24 | -57.9 | 15.9 | 9 | 99 | 258 | 34 | 200 | 12131 | 0 | -56.5 | 17.3 | 0 | 94 | 272 | 42 | 200 | 12221 | 5 | -56.3 | 17.2 | 9 | 92 | 263 | 35 |
| 300 | 9476 | 24 | -40.5 | 14.3 | 9 | 99 | 257 | 25 | 300 | 9470 | 0 | -39.8 | 14.8 | 0 | 93 | 268 | 31 | 300 | 9550 | 3 | -38.6 | 16.1 | 4 | 94 | 265 | 27 |
| 500 | 5787 | 24 | -13.3 | 8.7 | 9 | 96 | 244 | 14 | 500 | 5776 | 0 | -12.8 | 19.2 | 0 | 91 | 266 | 16 | 500 | 5832 | 1 | -11.1 | 18.8 | 1 | 91 | 264 | 13 |
| 700 | 3145 | 24 | 4.1 | 8.2 | 9 | 89 | 222 | 7 | 700 | 3122 | 0 | 4.5 | 20.1 | 0 | 89 | 250 | 8 | 700 | 3170 | 1 | 5.1 | 11.7 | 1 | 69 | 271 | 7 |
| 850 | 1529 | 24 | 16.2 | 15.5 | 9 | 61 | 186 | 5 | 850 | 1513 | 0 | 14.3 | 14.7 | 0 | 33 | 221 | 2 | 850 | 1550 | 1 | 17.0 | 15.3 | 1 | 64 | 253 | 4 |
| 974 | * 358 | | 24.0 | 21.4 | | | | | 928 | * 768 | | 19.3 | 14.5 | | | | | 1014 | * 12 | | 25.2 | 15.2 | | | | |
| ASIA - SAUDI ARABIA MADINAH 40430 NOV 2004 2433N 03942E OB 3 | | | | | | | | | ASIA - SAUDI ARABIA KING KHALED INT. AIRPORT 40437 NOV 2004 2456N 04643E OB 3 | | | | | | | | | ASIA - SAUDI ARABIA JEDDAH (KING ABDUL AZIZ INT.) 41024 NOV 2004 2142N 03911E OB 3 | | | | | | | | |
| 030 | 23775 | 3 | -55.6 | 19.2 | 4 | 23 | 107 | 1 | 030 | 23782 | 9 | -55.8 | 19.4 | 9 | 22 | 218 | 1 | 030 | 23774 | 4 | -55.9 | 22.0 | 5 | 69 | 98 | 5 |
| 050 | 20580 | 3 | -63.8 | 18.6 | 3 | 53 | 256 | 3 | 050 | 20584 | 8 | -63.6 | 18.0 | 9 | 68 | 257 | 3 | 050 | 20591 | 4 | -65.3 | 20.9 | 4 | 14 | 168 | 1 |
| 100 | 16460 | 0 | -72.2 | 19.5 | 0 | 94 | 266 | 24 | 100 | 16455 | 5 | -71.8 | 19.1 | 5 | 99 | 262 | 24 | 100 | 16506 | 2 | -74.6 | 19.2 | 2 | 94 | 264 | 20 |
| 150 | 14034 | 0 | -65.5 | 19.9 | 0 | 93 | 274 | 35 | 150 | 14029 | 5 | -65.3 | 18.5 | 5 | 98 | 262 | 34 | 150 | 14106 | 1 | -67.0 | 20.2 | 1 | 94 | 273 | 29 |
| 200 | 12248 | 0 | -55.9 | 18.2 | 0 | 91 | 273 | 36 | 200 | 12242 | 5 | -55.9 | 17.4 | 5 | 97 | 263 | 36 | 200 | 12321 | 1 | -55.4 | 20.2 | 2 | 92 | 273 | 30 |
| 300 | 9562 | 0 | -36.8 | 17.0 | 0 | 91 | 271 | 28 | 300 | 9559 | 5 | -37.2 | 16.1 | 5 | 97 | 263 | 27 | 300 | 9619 | 0 | -35.0 | 19.0 | 3 | 94 | 267 | 24 |
| 500 | 5823 | 0 | -9.9 | 20.1 | 0 | 90 | 260 | 14 | 500 | 5829 | 5 | -10.4 | 19.4 | 6 | 96 | 257 | 13 | 500 | 5856 | 0 | -8.2 | 21.6 | 1 | 89 | 263 | 12 |
| 700 | 3146 | 0 | 7.2 | 15.7 | 0 | 89 | 224 | 8 | 700 | 3163 | 5 | 5.8 | 11.4 | 5 | 68 | 232 | 5 | 700 | 3161 | 0 | 8.6 | 12.9 | 0 | 84 | 199 | 6 |
| 850 | 1515 | 0 | 19.3 | 16.5 | 0 | 30 | 208 | 2 | 850 | 1538 | 5 | 17.2 | 18.2 | 5 | 63 | 191 | 4 | 850 | 1524 | 0 | 19.3 | 9.9 | 0 | 80 | 171 | 4 |
| 941 | * 636 | | 26.5 | 20.6 | | | | | 947 | * 612 | | 23.5 | 21.1 | | | | | 1010 | * 17 | | 29.3 | 7.7 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| ASIA - SAUDI ARABIA ABHA 41112 NOV 2004 1814N 04239E OB | | | | | | | | | ASIA - UNITED ARAB EMIRATES ABU DHABI INTER. AIRPORT 41217 NOV 2004 2426N 05439E OB 3 | | | | | | | | | ASIA - OMAN SEEB, INTERNATIONAL AIRPORT 41256 NOV 2004 2335N 05817E OB 1 | | | | | | | | | | |
| 030 | 23759 | 2 | -56.1 | 22.4 | 3 | 89 | 95 | 7 | 030 | | | | | | | | | | 030 | 23807 | 28 | -56.2 | 2.1 | 9 | 37 | 55 | 5 | |
| 050 | 20579 | 2 | -66.1 | 21.9 | 3 | 50 | 112 | 2 | 050 | | | | | | | | | | 050 | 20614 | 11 | -64.2 | 18.7 | 9 | 65 | 267 | 5 | |
| 100 | 16537 | 0 | -76.5 | 20.5 | 1 | 86 | 266 | 12 | 100 | 16481 | 1 | -72.9 | 19.8 | 1 | 96 | 256 | 22 | 100 | 16527 | 0 | -74.2 | 20.3 | 0 | 96 | 255 | 21 | | |
| 150 | 14155 | 0 | -67.5 | 22.6 | 1 | 93 | 272 | 20 | 150 | 14067 | 0 | -66.2 | 17.2 | 0 | 97 | 253 | 32 | 150 | 14125 | 0 | -66.9 | 16.5 | 0 | 91 | 253 | 35 | | |
| 200 | 12371 | 0 | -54.8 | 23.2 | 1 | 87 | 274 | 20 | 200 | 12284 | 0 | -55.8 | 17.4 | 0 | 95 | 259 | 35 | 200 | 12341 | 0 | -55.0 | 18.0 | 0 | 92 | 253 | 37 | | |
| 300 | 9653 | 0 | -33.3 | 22.4 | 0 | 87 | 266 | 15 | 300 | 9588 | 0 | -36.1 | 20.4 | 0 | 96 | 262 | 27 | 300 | 9631 | 0 | -35.0 | 24.0 | 0 | 96 | 261 | 27 | | |
| 500 | 5860 | 0 | -6.6 | 22.5 | 0 | 72 | 271 | 6 | 500 | 5844 | 0 | -9.3 | 27.9 | 0 | 95 | 266 | 11 | 500 | 5870 | 0 | -8.8 | 33.0 | 0 | 91 | 266 | 12 | | |
| 700 | 3158 | 0 | 9.5 | 10.3 | 0 | 38 | 173 | 2 | 700 | 3168 | 0 | 5.9 | 18.6 | 0 | 66 | 287 | 5 | 700 | 3183 | 0 | 6.6 | 20.2 | 0 | 50 | 280 | 5 | | |
| 795 | *2093 | | 17.7 | 10.9 | | | | | 850 | 1546 | 0 | 17.7 | 17.8 | 0 | 68 | 310 | 3 | 850 | 1586 | 0 | 18.1 | 18.7 | 0 | 46 | 307 | 4 | | |
| | | | | | | | | | 1013 | * 27 | | 26.9 | 10.4 | | | | | 1015 | * 8 | | 21.9 | 6.9 | | | | | | |
| ASIA - OMAN SALALAH 41316 NOV 2004 1702N 05405E OB 3 | | | | | | | | | ASIA - INDIA SRINAGAR 42027 NOV 2004 3405N 07450E OB 3 | | | | | | | | | ASIA - INDIA NEW DELHI/SAFDARJUNG 42182 NOV 2004 2835N 07712E OB 3 | | | | | | | | | | |
| 030 | 23761 | 13 | -56.0 | 30.4 | 9 | 85 | 96 | 6 | 030 | | | | | | | | | | 030 | | | | | | | | | |
| 050 | 20580 | 4 | -65.9 | 25.1 | 6 | 38 | 108 | 2 | 050 | | | | | | | | | | 050 | | | | | | | | | |
| 100 | 16543 | 4 | -78.2 | 13.8 | 5 | 77 | 241 | 9 | 100 | | | | | | | | | | 100 | 16343 | 0 | -66.1 | 13.8 | 4 | 93 | 288 | 16 | |
| 150 | 14182 | 4 | -68.6 | 12.5 | 4 | 95 | 240 | 15 | 150 | 13796 | 7 | -59.1 | | | | | | 150 | 13974 | 0 | -65.5 | 12.5 | 0 | 97 | 284 | 31 | | |
| 200 | 12402 | 3 | -54.4 | 15.6 | 3 | 94 | 240 | 16 | 200 | 11997 | 4 | -57.9 | | 9 | 99 | 255 | 23 | 200 | 12161 | 0 | -56.9 | 13.6 | 0 | 87 | 277 | 38 | | |
| 300 | 9675 | 3 | -32.2 | 25.7 | 3 | 91 | 246 | 11 | 300 | 9393 | 0 | -44.7 | | 9 | 99 | 260 | 19 | 300 | 9480 | 0 | -39.6 | 14.0 | 0 | 96 | 287 | 13 | | |
| 500 | 5871 | 3 | -5.5 | 34.8 | 4 | 35 | 271 | 3 | 500 | 5767 | 0 | -16.9 | 10.4 | 9 | 87 | 265 | 6 | 500 | 5792 | 0 | -12.0 | 19.6 | 0 | 90 | 296 | 13 | | |
| 700 | 3160 | 3 | 8.5 | 22.5 | 4 | 68 | 64 | 5 | 700 | 3136 | 0 | 3.0 | 11.5 | 3 | 88 | 280 | 2 | 700 | 3132 | 0 | 4.0 | 18.6 | 0 | 94 | 313 | 7 | | |
| 850 | 1531 | 3 | 17.7 | 16.8 | 4 | 86 | 63 | 8 | 845 | *1587 | | 9.0 | 4.0 | | | | | 850 | 1534 | 0 | 14.8 | 17.3 | 0 | 90 | 320 | 5 | | |
| 1011 | * 20 | | 23.5 | 9.3 | | | | | | | | | | | | | | 983 | * 216 | | 19.2 | 7.8 | | | | | | |
| ASIA - INDIA JODHPUR 42339 NOV 2004 2618N 07301E OB 3 | | | | | | | | | ASIA - INDIA LUCKNOW/AMAUSI 42369 NOV 2004 2645N 08053E OB 3 | | | | | | | | | ASIA - INDIA GAUHATI 42410 NOV 2004 2606N 09135E OB 3 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | | 030 | | | | | | | | | |
| 050 | | | | | | | | | 050 | 20621 | 9 | -55.6 | 13.7 | 9 | 67 | 290 | 9 | 050 | | | | | | | | | | |
| 100 | 16416 | 5 | -70.8 | 11.0 | 4 | 99 | 272 | 18 | 100 | 16307 | 0 | -68.6 | 10.3 | 0 | 80 | 293 | 16 | 100 | | | | | | | | | | |
| 150 | 13989 | 2 | -65.1 | 9.9 | 2 | 95 | 269 | 29 | 150 | 13873 | 0 | -67.1 | 10.9 | 0 | 92 | 281 | 31 | 150 | | | | | | | | | | |
| 200 | 12208 | 1 | -57.6 | 13.2 | 2 | 90 | 269 | 35 | 200 | 12097 | 0 | -58.3 | 11.5 | 0 | 90 | 282 | 36 | 200 | 12153 | 4 | -55.1 | | | | | | | |
| 300 | 9524 | 0 | -37.6 | 12.5 | 0 | 97 | 274 | 29 | 300 | 9432 | 0 | -40.8 | 13.4 | 0 | 87 | 285 | 31 | 300 | 9488 | 0 | -38.7 | | 2 | 91 | 264 | 29 | | |
| 500 | 5797 | 0 | -10.4 | 22.3 | 0 | 95 | 281 | 14 | 500 | 5741 | 0 | -12.4 | 15.2 | 0 | 91 | 292 | 17 | 500 | 5766 | 0 | -7.1 | | 1 | 95 | 264 | 14 | | |
| 700 | 3130 | 0 | 5.2 | 17.0 | 0 | 72 | 283 | 4 | 700 | 3102 | 0 | 3.9 | 20.9 | 0 | 94 | 310 | 9 | 700 | 3121 | 0 | 3.2 | 11.7 | 0 | 35 | 241 | 2 | | |
| 850 | 1522 | 0 | 15.5 | 18.8 | 0 | 11 | 37 | 1 | 850 | 1502 | 0 | 12.4 | 13.9 | 0 | 92 | 311 | 7 | 850 | 1489 | 0 | 14.1 | 7.0 | 0 | 56 | 105 | 2 | | |
| 988 | * 224 | | 24.2 | 19.0 | | | | | 1000 | * 128 | | 20.4 | 5.6 | | | | | 1008 | * 54 | | 20.9 | 3.2 | | | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| ASIA - INDIA AHMADABAD 42647 NOV 2004 2304N 07238E OB 3 | | | | | | | | | ASIA - INDIA CALCUTTA/DUM DUM 42809 NOV 2004 2239N 08827E OB 3 | | | | | | | | | ASIA - INDIA NAGPUR SONEGAON 42867 NOV 2004 2106N 07903E OB 3 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | | | | | | | | | | |
| 050 | | | | | | | | | 050 | 20613 | 1 | -57.3 | | | | | | 050 | | | | | | | | | | |
| 100 | | | | | | | | | 100 | 16359 | 0 | -74.8 | | | 2 | 88 | 282 | 10 | 100 | 16443 | 1 | -72.7 | | | 1 | 47 | 244 | 2 |
| 150 | 14035 | 7 | -69.8 | | | | | | 150 | 14000 | 0 | -69.5 | | | 1 | 96 | 275 | 27 | 150 | 14063 | 1 | -70.8 | | | 1 | 76 | 239 | 9 |
| 200 | 12278 | 2 | -58.3 | | | | | | 200 | 12229 | 0 | -57.6 | | | 1 | 97 | 278 | 31 | 200 | 12308 | 0 | -57.2 | | | 0 | 84 | 246 | 13 |
| 300 | 9598 | 0 | -36.3 | | 7 | 91 | 273 | 23 | 300 | 9556 | 0 | -36.9 | 16.1 | 0 | 90 | 280 | 28 | 300 | 9618 | 0 | -34.4 | | | 0 | 89 | 250 | 14 | |
| 500 | 5844 | 0 | -8.1 | | 6 | 90 | 281 | 12 | 500 | 5812 | 0 | -8.5 | 21.5 | 0 | 95 | 281 | 16 | 500 | 5838 | 0 | -7.3 | 16.1 | 0 | 71 | 277 | 6 | | |
| 700 | 3155 | 1 | 7.2 | 16.2 | 1 | 59 | 297 | 4 | 700 | 3119 | 0 | 7.2 | 13.4 | 0 | 92 | 294 | 8 | 700 | 3138 | 0 | 8.8 | 14.7 | 0 | 61 | 332 | 3 | | |
| 850 | 1532 | 0 | 17.7 | 14.3 | 1 | 32 | 12 | 1 | 850 | 1507 | 0 | 13.9 | 12.5 | 0 | 98 | 300 | 5 | 850 | 1508 | 0 | 18.2 | 10.6 | 0 | 69 | 31 | 4 | | |
| 1007 | * 55 | | 26.3 | 13.2 | | | | | 1012 | * 6 | | 22.7 | 5.2 | | | | | 976 | * 310 | | 24.4 | 6.7 | | | | | | |
| ASIA - INDIA BHUBANESWAR 42971 NOV 2004 2015N 08550E OB 3 | | | | | | | | | ASIA - INDIA BOMBAY/SANTACRUZ 43003 NOV 2004 1907N 07251E OB 3 | | | | | | | | | ASIA - INDIA HYDERABAD AIRPORT 43128 NOV 2004 1727N 07828E OB 3 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | | | | | | | | | | |
| 050 | | | | | | | | | 050 | | | | | | | | | 050 | | | | | | | | | | |
| 100 | | | | | | | | | 100 | 16408 | 6 | -79.0 | 9.7 | 6 | 65 | 297 | 5 | 100 | 16449 | 8 | -76.6 | | | 9 | 29 | 328 | 2 | |
| 150 | 14050 | 8 | -72.1 | | | | | | 150 | 14071 | 3 | -69.0 | 10.1 | 3 | 88 | 259 | 15 | 150 | 14117 | 4 | -71.5 | | | 4 | 85 | 251 | 10 | |
| 200 | 12307 | 4 | -58.2 | | 4 | 94 | 264 | 25 | 200 | 12302 | 2 | -56.0 | 11.9 | 2 | 89 | 259 | 17 | 200 | 12342 | 1 | -58.1 | | | 1 | 83 | 247 | 12 | |
| 300 | 9622 | 3 | -35.5 | | 3 | 82 | 273 | 16 | 300 | 9599 | 1 | -34.7 | 13.8 | 1 | 86 | 269 | 12 | 300 | 9654 | 1 | -34.9 | 12.2 | 1 | 82 | 265 | 9 | | |
| 500 | 5841 | 0 | -7.4 | | 0 | 88 | 274 | 9 | 500 | 5819 | 0 | -6.7 | 19.3 | 0 | 65 | 277 | 4 | 500 | 5868 | 0 | -6.1 | 13.6 | 0 | 50 | 283 | 3 | | |
| 700 | 3137 | 0 | 8.4 | 15.9 | 0 | 76 | 292 | 5 | 700 | 3126 | 0 | 8.5 | 16.4 | 0 | 58 | 49 | 2 | 700 | 3156 | 0 | 9.1 | 11.9 | 0 | 37 | 36 | 2 | | |
| 850 | 1517 | 0 | 15.0 | 11.1 | 0 | 67 | 341 | 3 | 850 | 1502 | 0 | 17.7 | 12.2 | 0 | 83 | 84 | 4 | 850 | 1527 | 0 | 17.4 | 10.4 | 0 | 85 | 77 | 5 | | |
| 1008 | * 46 | | 23.1 | 6.7 | | | | | 1009 | * 14 | | 27.7 | 9.6 | | | | | 952 | * 545 | | 23.6 | 9.2 | | | | | | |
| ASIA - INDIA CWC VISHAKHAPATNAM/WALTAIR 43150 NOV 2004 1742N 08318E OB 3 | | | | | | | | | ASIA - INDIA MADRAS/MINAMBAKKAM 43279 NOV 2004 1300N 08011E OB 3 | | | | | | | | | ASIA - INDIA MANGALORE/PANAMBUR 43285 NOV 2004 1257N 07450E OB 3 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | | | | | | | | | | |
| 050 | | | | | | | | | 050 | | | | | | | | | 050 | | | | | | | | | | |
| 100 | | | | | | | | | 100 | | | | | | | | | 100 | 16497 | 9 | -76.8 | | | | | | | |
| 150 | | | | | | | | | 150 | 14166 | 2 | -70.0 | | | | | | 150 | 14159 | 3 | -70.6 | | | | | | | |
| 200 | 12385 | 8 | -56.5 | 9.6 | 8 | 99 | 232 | 34 | 200 | 12406 | 1 | -56.3 | | | | | | 200 | 12397 | 0 | -56.4 | | | | | | | |
| 300 | 9672 | 4 | -33.2 | 11.9 | 4 | 99 | 238 | 25 | 300 | 9692 | 0 | -33.0 | | | | | | 300 | 9678 | 0 | -32.5 | 9.8 | | | | | | |
| 500 | 5872 | 0 | -5.6 | 15.1 | 0 | 70 | 270 | 5 | 500 | 5881 | 0 | -5.2 | 13.6 | 5 | 64 | 71 | 4 | 500 | 5873 | 0 | -5.9 | 10.1 | 8 | 67 | 57 | 3 | | |
| 700 | 3155 | 0 | 9.6 | 15.2 | 0 | 43 | 321 | 2 | 700 | 3161 | 0 | 10.3 | 11.6 | 1 | 79 | 78 | 4 | 700 | 3157 | 0 | 9.4 | 9.1 | 1 | 50 | 68 | 3 | | |
| 850 | 1529 | 0 | 16.7 | 12.5 | 0 | 82 | 26 | 5 | 850 | 1519 | 0 | 18.4 | 6.5 | 0 | 92 | 59 | 7 | 850 | 1516 | 0 | 18.9 | 5.9 | 0 | 48 | 80 | 3 | | |
| 1006 | * 66 | | 25.5 | 6.3 | | | | | 1010 | * 16 | | 25.6 | 3.5 | | | | | 1007 | * 31 | | 27.0 | 3.3 | | | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| ASIA - INDIA PORT BLAIR 43333 NOV 2004 1140N 09243E OB 3 | | | | | | | | | ASIA - INDIA COCHIN/WILLINGDON 43353 NOV 2004 0957N 07616E OB 3 | | | | | | | | | ASIA - INDIA THIRUVANANTHAPURAM 43371 NOV 2004 0829N 07657E OB 3 | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | | | | | | | | | |
| 050 | | | | | | | | | 050 | | | | | | | | | 050 | 20575 | 2 | -65.1 | | | 3 | 5 | 150 | 1 |
| 100 | 16504 | 7 | -80.0 | | | | | | 100 | 14118 | 4 | -72.9 | | | | | | 100 | 16518 | 0 | -79.6 | | | 0 | 73 | 79 | 4 |
| 150 | 14163 | 2 | -70.4 | | 9 | 62 | 205 | 6 | 150 | 12367 | 2 | -57.5 | | | | | | 150 | 14174 | 0 | -68.8 | | | 0 | 60 | 127 | 6 |
| 200 | 12391 | 2 | -55.4 | | 7 | 43 | 223 | 4 | 200 | 9663 | 1 | -32.7 | 10.1 | | | | | 200 | 12393 | 0 | -54.3 | | | 0 | 70 | 136 | 8 |
| 300 | 9670 | 2 | -32.3 | | 7 | 23 | 216 | 2 | 300 | 5849 | 0 | -5.4 | 9.1 | | | | | 300 | 9658 | 0 | -30.9 | 7.2 | | 0 | 73 | 118 | 5 |
| 500 | 5859 | 0 | -6.1 | 12.1 | 4 | 55 | 91 | 3 | 500 | 3134 | 0 | 9.7 | 8.7 | | | | | 500 | 5838 | 0 | -5.7 | 9.2 | 0 | 77 | 87 | 6 | |
| 700 | 3147 | 0 | 9.0 | 8.4 | 0 | 81 | 93 | 5 | 700 | 1498 | 0 | 18.1 | 4.8 | | | | | 700 | 3127 | 0 | 9.5 | 11.0 | 0 | 88 | 85 | 5 | |
| 850 | 1511 | 0 | 17.9 | 4.0 | 0 | 90 | 93 | 7 | 850 | * | 3 | 27.6 | 4.4 | | | | | 850 | 1490 | 0 | 17.6 | 8.1 | 0 | 85 | 72 | 4 | |
| 1001 | * 79 | | 27.1 | 3.4 | | | | | 1009 | | | | | | | | | 1002 | * 64 | | 26.4 | 2.9 | | | | | |
| ASIA - HONG KONG, CHINA KING'S PARK 45004 NOV 2004 2219N 11410E OB 1 | | | | | | | | | ASIA - REPUBLIC OF KOREA OSAN AB 47122 NOV 2004 3706N 12702E OB 3 | | | | | | | | | ASIA - REPUBLIC OF KOREA POHANG 47138 NOV 2004 3602N 12923E OB 3 | | | | | | | | | |
| 030 | 23780 | 0 | -56.7 | 31.4 | 0 | 89 | 92 | 5 | 030 | 23809 | 1 | -55.2 | 20.9 | 1 | 75 | 265 | 8 | 030 | 23780 | 0 | -56.6 | | | 0 | 57 | 272 | 4 |
| 050 | 20604 | 0 | -65.8 | 25.4 | 0 | 45 | 166 | 2 | 050 | 20569 | 0 | -57.9 | 19.0 | 1 | 96 | 259 | 14 | 050 | 20566 | 0 | -59.5 | | | 0 | 94 | 257 | 12 |
| 100 | 16555 | 0 | -78.3 | 16.3 | 0 | 96 | 248 | 19 | 100 | 16236 | 0 | -60.7 | 17.5 | 1 | 98 | 256 | 35 | 100 | 16278 | 0 | -63.0 | | | 0 | 98 | 255 | 34 |
| 150 | 14190 | 0 | -67.2 | 16.2 | 0 | 93 | 251 | 29 | 150 | 13704 | 0 | -58.0 | 17.2 | 0 | 99 | 257 | 46 | 150 | 13768 | 0 | -59.2 | | | 0 | 98 | 257 | 51 |
| 200 | 12398 | 0 | -53.0 | 19.0 | 0 | 94 | 255 | 28 | 200 | 11873 | 0 | -54.2 | 17.3 | 0 | 97 | 256 | 48 | 200 | 11946 | 0 | -54.0 | | | 0 | 97 | 256 | 56 |
| 300 | 9659 | 0 | -31.5 | 24.2 | 0 | 94 | 263 | 26 | 300 | 9223 | 0 | -44.5 | 16.2 | 0 | 95 | 259 | 37 | 300 | 9284 | 0 | -42.7 | 25.3 | 0 | 96 | 256 | 43 | |
| 500 | 5861 | 0 | -7.4 | 20.4 | 0 | 94 | 270 | 13 | 500 | 5629 | 0 | -20.3 | 18.6 | 0 | 92 | 267 | 21 | 500 | 5667 | 0 | -19.1 | 22.1 | 0 | 94 | 264 | 21 | |
| 700 | 3168 | 0 | 7.1 | 13.7 | 0 | 54 | 305 | 4 | 700 | 3055 | 0 | -4.6 | 16.1 | 0 | 88 | 274 | 12 | 700 | 3082 | 0 | -3.2 | 21.7 | 0 | 90 | 272 | 10 | |
| 850 | 1550 | 0 | 13.6 | 10.5 | 0 | 70 | 69 | 5 | 850 | 1507 | 0 | 2.1 | 13.8 | 0 | 75 | 275 | 6 | 850 | 1523 | 0 | 4.0 | 15.3 | 0 | 74 | 281 | 6 | |
| 1012 | * 66 | | 20.2 | 4.1 | | | | | 1016 | * 52 | | 6.8 | 4.3 | | | | | 1022 | * 6 | | 10.4 | 7.0 | | | | | |
| ASIA - REPUBLIC OF KOREA KWANGJU AB 47158 NOV 2004 3507N 12649E OB 3 | | | | | | | | | ASIA - JAPAN WAKKANAI 47401 NOV 2004 4525N 14141E OB 2 | | | | | | | | | ASIA - JAPAN SAPPORO 47412 NOV 2004 4303N 14120E OB 2 | | | | | | | | | |
| 030 | 23815 | 3 | -55.7 | 16.8 | 4 | 50 | 277 | 4 | 030 | 23673 | 2 | -54.9 | | 2 | 91 | 258 | 15 | 030 | 23709 | 4 | -55.8 | | | 5 | 87 | 261 | 14 |
| 050 | 20586 | 0 | -59.2 | 15.1 | 1 | 95 | 254 | 11 | 050 | 20415 | 0 | -55.0 | | 1 | 98 | 261 | 21 | 050 | 20476 | 1 | -55.1 | | | 2 | 97 | 261 | 18 |
| 100 | 16291 | 0 | -63.1 | 13.4 | 0 | 98 | 257 | 34 | 100 | 15995 | 0 | -56.1 | | 0 | 97 | 261 | 29 | 100 | 16082 | 0 | -57.5 | | | 0 | 98 | 260 | 31 |
| 150 | 13787 | 0 | -59.5 | 14.3 | 1 | 99 | 256 | 47 | 150 | 13416 | 0 | -55.3 | | 0 | 96 | 262 | 33 | 150 | 13514 | 0 | -55.8 | | | 0 | 97 | 260 | 38 |
| 200 | 11963 | 0 | -54.1 | 15.4 | 1 | 96 | 253 | 50 | 200 | 11576 | 0 | -54.5 | | 0 | 94 | 261 | 35 | 200 | 11678 | 0 | -54.4 | | | 0 | 95 | 259 | 40 |
| 300 | 9302 | 0 | -42.6 | 16.7 | 0 | 96 | 257 | 42 | 300 | 8965 | 0 | -49.0 | | 0 | 90 | 264 | 30 | 300 | 9054 | 0 | -47.8 | | | 0 | 93 | 261 | 34 |
| 500 | 5675 | 0 | -18.3 | 24.7 | 0 | 95 | 264 | 22 | 500 | 5447 | 0 | -25.6 | 13.6 | 0 | 88 | 269 | 21 | 500 | 5511 | 0 | -23.4 | 12.6 | 0 | 89 | 266 | 23 | |
| 700 | 3083 | 0 | -2.6 | 21.5 | 0 | 90 | 276 | 11 | 700 | 2934 | 0 | -11.2 | 13.4 | 0 | 80 | 275 | 11 | 700 | 2972 | 0 | -8.6 | 15.8 | 0 | 90 | 274 | 14 | |
| 850 | 1522 | 0 | 4.0 | 15.7 | 0 | 68 | 296 | 6 | 850 | 1422 | 0 | -3.7 | 6.5 | 0 | 75 | 265 | 9 | 850 | 1447 | 0 | -2.1 | 5.1 | 0 | 70 | 268 | 8 | |
| 1022 | * 13 | | 7.3 | 3.5 | | | | | 1013 | * 11 | | 5.8 | 6.7 | | | | | 1013 | * 26 | | 6.8 | 6.0 | | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASIA - JAPAN NEMURO 47420 NOV 2004 4320N 14535E OB 2 | | | | | | | | ASIA - JAPAN AKITA 47582 NOV 2004 3943N 14006E OB 2 | | | | | | | | ASIA - JAPAN WAJIMA 47600 NOV 2004 3723N 13654E OB 2 | | | | | | | | | | |
| 030 | 23704 | 3 | -55.2 | | 4 | 91 | 262 | 12 | 030 | 23746 | 1 | -55.8 | | 1 | 73 | 269 | 9 | 030 | 23759 | 4 | -56.5 | | 4 | 69 | 273 | 6 |
| 050 | 20462 | 0 | -56.7 | | 0 | 98 | 262 | 19 | 050 | 20530 | 0 | -59.0 | | 0 | 98 | 255 | 14 | 050 | 20549 | 0 | -60.3 | | 0 | 96 | 258 | 14 |
| 100 | 16076 | 0 | -57.3 | | 0 | 98 | 264 | 32 | 100 | 16189 | 0 | -61.2 | | 0 | 98 | 260 | 37 | 100 | 16260 | 0 | -62.6 | | 0 | 98 | 256 | 37 |
| 150 | 13508 | 0 | -56.0 | | 0 | 98 | 263 | 40 | 150 | 13658 | 0 | -57.7 | | 0 | 98 | 259 | 46 | 150 | 13747 | 0 | -59.0 | | 0 | 98 | 258 | 52 |
| 200 | 11675 | 0 | -55.1 | | 0 | 95 | 261 | 42 | 200 | 11828 | 0 | -53.8 | | 0 | 96 | 260 | 49 | 200 | 11921 | 0 | -53.6 | | 0 | 97 | 259 | 58 |
| 300 | 9054 | 0 | -47.4 | | 0 | 92 | 262 | 36 | 300 | 9175 | 0 | -44.4 | | 0 | 94 | 258 | 39 | 300 | 9255 | 0 | -42.1 | | 0 | 97 | 259 | 46 |
| 500 | 5502 | 0 | -23.0 | 13.0 | 0 | 92 | 270 | 24 | 500 | 5592 | 0 | -21.0 | 16.9 | 0 | 91 | 262 | 23 | 500 | 5637 | 0 | -20.1 | 15.5 | 0 | 92 | 264 | 23 |
| 700 | 2963 | 0 | -8.7 | 12.9 | 0 | 84 | 281 | 13 | 700 | 3030 | 0 | -6.1 | 12.6 | 0 | 91 | 262 | 15 | 700 | 3063 | 0 | -4.6 | 12.6 | 0 | 88 | 258 | 13 |
| 850 | 1439 | 0 | -1.9 | 5.6 | 0 | 64 | 274 | 8 | 850 | 1491 | 0 | 1.2 | 4.5 | 0 | 87 | 257 | 11 | 850 | 1513 | 0 | 3.1 | 4.5 | 1 | 84 | 255 | 8 |
| 1011 | * 39 | | 6.6 | 4.0 | | | | | 1019 | * 7 | | 10.7 | 5.4 | | | | | 1019 | * 14 | | 11.4 | 2.8 | | | | |
| ASIA - JAPAN TATENO 47646 NOV 2004 3603N 14008E OB 2 | | | | | | | | ASIA - JAPAN YONAGO 47744 NOV 2004 3526N 13321E OB 2 | | | | | | | | ASIA - JAPAN SHIONOMISAKI 47778 NOV 2004 3327N 13546E OB 2 | | | | | | | | | | |
| 030 | 23771 | 1 | -57.7 | | 1 | 70 | 279 | 5 | 030 | 23783 | 0 | -56.9 | | 0 | 75 | 274 | 6 | 030 | 23788 | 2 | -57.4 | | 2 | 66 | 301 | 3 |
| 050 | 20577 | 0 | -61.6 | | 0 | 95 | 261 | 12 | 050 | 20576 | 0 | -60.8 | | 0 | 97 | 253 | 12 | 050 | 20598 | 1 | -62.8 | | 1 | 92 | 252 | 9 |
| 100 | 16335 | 0 | -65.9 | | 0 | 98 | 258 | 38 | 100 | 16322 | 0 | -65.3 | | 0 | 98 | 255 | 38 | 100 | 16406 | 0 | -69.2 | | 0 | 99 | 255 | 37 |
| 150 | 13852 | 0 | -60.9 | | 0 | 98 | 260 | 56 | 150 | 13832 | 0 | -60.3 | | 0 | 99 | 258 | 54 | 150 | 13955 | 0 | -62.6 | | 0 | 98 | 258 | 53 |
| 200 | 12034 | 0 | -53.3 | | 0 | 97 | 260 | 61 | 200 | 12012 | 0 | -53.6 | | 0 | 98 | 256 | 59 | 200 | 12145 | 0 | -53.2 | | 0 | 98 | 256 | 58 |
| 300 | 9348 | 0 | -39.7 | | 0 | 96 | 258 | 49 | 300 | 9334 | 0 | -40.6 | | 0 | 97 | 256 | 46 | 300 | 9441 | 0 | -37.4 | | 0 | 97 | 255 | 46 |
| 500 | 5689 | 0 | -16.6 | 27.3 | 0 | 94 | 261 | 25 | 500 | 5684 | 0 | -17.2 | 22.7 | 0 | 95 | 263 | 25 | 500 | 5742 | 0 | -13.7 | 24.3 | 0 | 96 | 259 | 25 |
| 700 | 3084 | 0 | -1.4 | 17.9 | 0 | 87 | 260 | 11 | 700 | 3087 | 0 | -2.5 | 19.3 | 0 | 89 | 274 | 11 | 700 | 3113 | 0 | .6 | 24.6 | 0 | 87 | 269 | 11 |
| 850 | 1517 | 0 | 5.9 | 5.3 | 0 | 64 | 248 | 5 | 850 | 1528 | 0 | 4.1 | 4.8 | 0 | 76 | 267 | 6 | 850 | 1535 | 0 | 7.3 | 9.2 | 0 | 50 | 285 | 4 |
| 1016 | * 31 | | 11.4 | 1.9 | | | | | 1021 | * 8 | | 12.9 | 4.2 | | | | | 1012 | * 75 | | 15.8 | 5.6 | | | | |
| ASIA - JAPAN FUKUOKA 47807 NOV 2004 3335N 13023E OB 2 | | | | | | | | ASIA - JAPAN KAGOSHIMA 47827 NOV 2004 3133N 13033E OB 2 | | | | | | | | ASIA - JAPAN NAZE/FUNCHATOGE 47909 NOV 2004 2823N 12933E OB 2 | | | | | | | | | | |
| 030 | 23782 | 1 | -56.9 | | 1 | 74 | 275 | 4 | 030 | 23790 | 2 | -57.3 | | 2 | 68 | 298 | 3 | 030 | 23787 | 1 | -56.8 | | 2 | 50 | 305 | 2 |
| 050 | 20585 | 0 | -62.0 | | 0 | 94 | 250 | 10 | 050 | 20600 | 1 | -63.2 | | 2 | 93 | 251 | 8 | 050 | 20609 | 1 | -64.5 | | 1 | 81 | 241 | 4 |
| 100 | 16364 | 0 | -67.2 | | 0 | 99 | 253 | 37 | 100 | 16438 | 0 | -70.6 | | 0 | 99 | 253 | 34 | 100 | 16515 | 0 | -74.6 | | 0 | 99 | 252 | 29 |
| 150 | 13894 | 0 | -62.1 | | 0 | 99 | 256 | 55 | 150 | 13998 | 0 | -63.5 | | 0 | 99 | 255 | 52 | 150 | 14114 | 0 | -65.0 | | 0 | 99 | 254 | 42 |
| 200 | 12082 | 0 | -53.6 | | 0 | 98 | 252 | 58 | 200 | 12190 | 0 | -53.0 | | 0 | 99 | 253 | 54 | 200 | 12312 | 0 | -53.0 | | 0 | 98 | 252 | 44 |
| 300 | 9392 | 0 | -39.0 | | 0 | 96 | 253 | 45 | 300 | 9479 | 0 | -36.7 | 17.4 | 0 | 97 | 254 | 43 | 300 | 9586 | 0 | -33.9 | 17.7 | 0 | 97 | 254 | 38 |
| 500 | 5718 | 0 | -15.5 | 20.0 | 0 | 96 | 260 | 24 | 500 | 5767 | 0 | -12.9 | 18.7 | 0 | 95 | 258 | 24 | 500 | 5824 | 0 | -9.7 | 14.4 | 0 | 94 | 255 | 22 |
| 700 | 3105 | 0 | -.8 | 24.6 | 0 | 90 | 271 | 11 | 700 | 3130 | 0 | 1.5 | 19.5 | 0 | 86 | 267 | 10 | 700 | 3156 | 0 | 4.5 | 14.9 | 0 | 94 | 271 | 10 |
| 850 | 1534 | 0 | 6.1 | 15.2 | 0 | 55 | 275 | 4 | 850 | 1545 | 0 | 8.2 | 14.1 | 0 | 44 | 290 | 4 | 850 | 1555 | 0 | 10.5 | 9.2 | 0 | 44 | 356 | 3 |
| 1020 | * 15 | | 14.6 | 5.8 | | | | | 1018 | * 31 | | 16.3 | 6.2 | | | | | 987 | * 295 | | 17.7 | 5.0 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASIA - JAPAN ISHIGAKIJIMA 47918 NOV 2004 2420N 12410E OB 2 | | | | | | | | | ASIA - JAPAN MINAMIDAITOJIMA 47945 NOV 2004 2550N 13114E OB 2 | | | | | | | | | ASIA - JAPAN CHICHIJIMA 47971 NOV 2004 2705N 14211E OB 3 | | | | | | | | |
| 030 | 23783 | 2 | -56.4 | | 2 | 14 | 11 | 1 | 030 | 23790 | 1 | -56.9 | | 1 | 38 | 324 | 2 | 030 | 23797 | 5 | -56.8 | | 5 | 35 | 280 | 2 |
| 050 | 20605 | 2 | -65.3 | | 2 | 51 | 152 | 2 | 050 | 20616 | 0 | -65.5 | | 0 | 27 | 150 | 1 | 050 | 20626 | 2 | -66.3 | | 2 | 26 | 178 | 1 |
| 100 | 16560 | 0 | -77.9 | | 0 | 97 | 246 | 20 | 100 | 16574 | 0 | -78.0 | | 0 | 97 | 247 | 21 | 100 | 16584 | 0 | -77.6 | | 0 | 96 | 255 | 20 |
| 150 | 14190 | 0 | -66.6 | | 0 | 96 | 249 | 30 | 150 | 14199 | 0 | -66.3 | | 0 | 97 | 251 | 30 | 150 | 14211 | 0 | -66.3 | | 0 | 96 | 259 | 27 |
| 200 | 12394 | 0 | -52.8 | | 0 | 95 | 249 | 30 | 200 | 12403 | 0 | -52.9 | | 0 | 97 | 252 | 31 | 200 | 12415 | 0 | -53.3 | | 0 | 96 | 263 | 27 |
| 300 | 9656 | 0 | -32.2 | 18.0 | 0 | 95 | 256 | 26 | 300 | 9666 | 0 | -32.0 | 18.6 | 0 | 96 | 254 | 26 | 300 | 9684 | 0 | -32.5 | 19.7 | 0 | 94 | 257 | 22 |
| 500 | 5862 | 0 | -7.6 | 15.0 | 0 | 93 | 250 | 15 | 500 | 5871 | 0 | -7.3 | 20.5 | 0 | 93 | 254 | 16 | 500 | 5888 | 0 | -6.6 | 19.7 | 0 | 93 | 254 | 12 |
| 700 | 3171 | 0 | 6.8 | 12.0 | 0 | 55 | 241 | 3 | 700 | 3175 | 0 | 7.7 | 16.2 | 0 | 76 | 254 | 6 | 700 | 3181 | 0 | 9.0 | 14.6 | 0 | 71 | 249 | 5 |
| 850 | 1555 | 0 | 12.8 | 5.2 | 0 | 79 | 64 | 6 | 850 | 1554 | 0 | 13.2 | 8.5 | 0 | 48 | 57 | 3 | 850 | 1554 | 0 | 14.6 | 5.2 | 0 | 27 | 77 | 2 |
| 1018 | * 7 | | 22.9 | 6.3 | | | | | 1017 | * 20 | | 22.4 | 5.6 | | | | | 1017 | * 8 | | 24.2 | 4.6 | | | | |
| ASIA - JAPAN MINAMITORISHIMA 47991 NOV 2004 2418N 15358E OB 3 | | | | | | | | | ASIA - THAILAND UBON RATCHATHANI 48407 NOV 2004 1515N 10452E OB 1 | | | | | | | | | ASIA - CHINA HAILAR 50527 NOV 2004 4913N 11945E OB 3 | | | | | | | | |
| 030 | 23798 | 5 | -56.4 | | 5 | 20 | 88 | 1 | 030 | 23804 | 2 | -56.9 | | 3 | 95 | 95 | 8 | 030 | 23540 | 7 | -51.7 | 10.3 | 7 | 89 | 255 | 17 |
| 050 | 20625 | 3 | -67.9 | | 3 | 61 | 97 | 4 | 050 | 20627 | 2 | -66.5 | | 2 | 42 | 50 | 2 | 050 | 20255 | 4 | -54.5 | 9.4 | 4 | 94 | 261 | 16 |
| 100 | 16623 | 0 | -79.2 | | 0 | 75 | 276 | 8 | 100 | 16610 | 2 | -81.3 | | 2 | 69 | 230 | 5 | 100 | 15845 | 4 | -56.4 | 8.1 | 4 | 94 | 270 | 15 |
| 150 | 14256 | 0 | -66.4 | | 0 | 79 | 287 | 13 | 150 | 14266 | 0 | -69.1 | | 0 | 74 | 230 | 7 | 150 | 13263 | 2 | -55.7 | 7.5 | 2 | 89 | 273 | 17 |
| 200 | 12460 | 0 | -52.8 | | 0 | 78 | 280 | 13 | 200 | 12470 | 0 | -52.1 | | 0 | 86 | 245 | 7 | 200 | 11436 | 2 | -57.1 | 6.9 | 2 | 77 | 277 | 17 |
| 300 | 9720 | 0 | -31.7 | 17.7 | 0 | 72 | 280 | 9 | 300 | 9721 | 0 | -29.8 | | 0 | 64 | 255 | 4 | 300 | 8867 | 1 | -52.2 | 6.5 | 1 | 57 | 285 | 16 |
| 500 | 5907 | 0 | -5.3 | 28.1 | 0 | 10 | 208 | 1 | 500 | 5891 | 0 | -4.0 | | 0 | 10 | 240 | 1 | 500 | 5399 | 1 | -29.1 | 8.0 | 1 | 60 | 292 | 12 |
| 700 | 3187 | 0 | 10.5 | 24.8 | 0 | 50 | 93 | 3 | 700 | 3167 | 0 | 10.1 | 1.1 | 0 | 64 | 70 | 3 | 700 | 2923 | 1 | -15.3 | 8.1 | 1 | 69 | 296 | 9 |
| 850 | 1552 | 0 | 15.8 | 5.5 | 0 | 87 | 102 | 6 | 850 | 1531 | 0 | 18.6 | 8.2 | 0 | 81 | 70 | 3 | 850 | 1440 | 1 | -9.9 | 5.4 | 1 | 75 | 278 | 6 |
| 1016 | * 9 | | 26.1 | 4.3 | | | | | 1000 | * 127 | | 21.2 | 3.3 | | | | | 946 | * 611 | | -7.7 | 3.7 | | | | |
| ASIA - CHINA URUMQI 51463 NOV 2004 4347N 08737E OB 3 | | | | | | | | | ASIA - CHINA BEIJING 54511 NOV 2004 3956N 11617E OB 3 | | | | | | | | | ASIA - CHINA LHASA 55591 NOV 2004 2940N 09108E OB 3 | | | | | | | | |
| 030 | 23614 | 0 | -56.3 | | 0 | 95 | 270 | 18 | 030 | 23749 | 0 | -53.2 | 18.9 | 0 | 79 | 257 | 11 | 030 | 23714 | 4 | -56.7 | | 4 | 83 | 282 | 5 |
| 050 | 20403 | 0 | -59.8 | | 0 | 94 | 281 | 16 | 050 | 20490 | 0 | -56.5 | 17.1 | 0 | 94 | 261 | 16 | 050 | 20530 | 3 | -63.9 | | 3 | 78 | 284 | 7 |
| 100 | 16080 | 0 | -60.1 | 7.8 | 1 | 95 | 288 | 19 | 100 | 16108 | 0 | -57.7 | 17.7 | 0 | 96 | 264 | 26 | 100 | 16369 | 2 | -69.3 | | 2 | | 274 | 31 |
| 150 | 13545 | 0 | -59.0 | 7.2 | 0 | 95 | 289 | 21 | 150 | 13547 | 0 | -56.3 | 18.7 | 0 | 97 | 262 | 30 | 150 | 13913 | 1 | -62.2 | 8.8 | 1 | 98 | 273 | 44 |
| 200 | 11751 | 0 | -61.4 | 6.9 | 0 | 91 | 285 | 21 | 200 | 11718 | 0 | -56.3 | 17.9 | 0 | 94 | 266 | 30 | 200 | 12106 | 1 | -54.8 | 9.1 | 1 | 96 | 276 | 46 |
| 300 | 9186 | 0 | -49.6 | 6.9 | 0 | 85 | 284 | 17 | 300 | 9119 | 0 | -49.0 | 15.6 | 0 | 86 | 273 | 25 | 300 | 9433 | 0 | -41.3 | 9.6 | 0 | 94 | 278 | 30 |
| 500 | 5637 | 0 | -22.2 | 8.7 | 0 | 81 | 289 | 13 | 500 | 5586 | 0 | -23.8 | 17.0 | 0 | 84 | 279 | 16 | 500 | 5773 | 0 | -14.4 | 8.6 | 0 | 83 | 259 | 5 |
| 700 | 3077 | 0 | -5.1 | 10.2 | 0 | 22 | 283 | 2 | 700 | 3046 | 0 | -7.8 | 16.7 | 0 | 83 | 289 | 10 | 656 | *3650 | | -2.4 | 8.2 | | | | |
| 850 | 1533 | 0 | -1.2 | 5.4 | 0 | 57 | 110 | 4 | 850 | 1513 | 0 | .3 | 16.8 | 0 | 67 | 297 | 6 | | | | | | | | | |
| 916 | * 919 | | -2.9 | 2.9 | | | | | 1021 | * 55 | | 3.0 | 9.3 | | | | | | | | | | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASIA - CHINA KUNMING 56778 NOV 2004 2501N 10241E OB 3 | | | | | | | | | ASIA - CHINA SHANGHAI 58362 NOV 2004 3124N 12128E OB 3 | | | | | | | | | AFRICA - MOROCCO CASABLANCA 60155 NOV 2004 3334N 00740W OB 1 | | | | | | | | |
| 030 | 23785 | 11 | -54.6 | | 9 | | 134 | 3 | 030 | 23798 | 0 | -56.3 | | | | | | 030 | 23748 | 11 | -57.6 | 30.0 | 9 | 88 | 265 | 10 |
| 050 | 20578 | 7 | -63.6 | | 9 | | 203 | 2 | 050 | 20592 | 0 | -61.7 | | 0 | 90 | 252 | 9 | 050 | 20547 | 2 | -61.3 | 27.9 | 2 | 81 | 275 | 6 |
| 100 | 16476 | 4 | -74.9 | | 9 | 97 | 264 | 30 | 100 | 16378 | 0 | -68.3 | | 0 | 97 | 253 | 35 | 100 | 16299 | 2 | -64.7 | 28.7 | 3 | 91 | 276 | 13 |
| 150 | 14078 | 1 | -65.5 | | 8 | 96 | 263 | 43 | 150 | 13916 | 0 | -62.0 | 21.6 | 0 | 98 | 250 | 52 | 150 | 13805 | 1 | -61.4 | 26.7 | 3 | 89 | 276 | 17 |
| 200 | 12279 | 1 | -53.5 | 10.2 | 3 | 94 | 263 | 46 | 200 | 12099 | 0 | -52.7 | 22.8 | 0 | 96 | 251 | 54 | 200 | 12007 | 1 | -57.3 | 23.2 | 3 | 83 | 278 | 19 |
| 300 | 9560 | 1 | -34.4 | 12.4 | 1 | 95 | 264 | 40 | 300 | 9407 | 0 | -39.8 | 20.5 | 0 | 98 | 251 | 43 | 300 | 9369 | 1 | -42.4 | 17.5 | 2 | 60 | 272 | 13 |
| 500 | 5810 | 0 | -9.5 | 16.1 | 0 | 95 | 266 | 20 | 500 | 5737 | 0 | -15.5 | 28.9 | 0 | 95 | 257 | 19 | 500 | 5726 | 0 | -16.2 | 21.0 | 2 | 47 | 277 | 6 |
| 700 | 3148 | 0 | 3.4 | 3.3 | 0 | 90 | 258 | 9 | 700 | 3124 | 0 | -.4 | 24.0 | 0 | 80 | 269 | 8 | 700 | 3108 | 0 | .8 | 22.0 | 1 | 25 | 259 | 2 |
| 815 | *1892 | | 9.8 | 3.0 | | | | | 850 | 1550 | 0 | 6.8 | 19.2 | 0 | 57 | 291 | 4 | 850 | 1523 | 0 | 9.8 | 20.3 | 1 | 30 | 211 | 2 |
| | | | | | | | | | 1024 | * 4 | | 12.2 | 2.7 | | | | | 1012 | * 62 | | 15.5 | 2.7 | | | | |
| AFRICA - ALGERIA DAR-EL-BEIDA 60390 NOV 2004 3643N 00315E OB 3 | | | | | | | | | AFRICA - ALGERIA BECHAR 60571 NOV 2004 3137N 00214W OB 3 | | | | | | | | | AFRICA - ALGERIA IN SALAH 60630 NOV 2004 2712N 00228E OB 2 | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | 23788 | 21 | -55.7 | | | | | |
| 050 | 20531 | 9 | -61.5 | | 9 | 91 | 280 | 12 | 050 | 20574 | 4 | -61.2 | | 7 | 80 | 270 | 7 | 050 | 20584 | 0 | -62.7 | | 2 | 74 | 170 | 5 |
| 100 | 16256 | 1 | -62.9 | | 3 | 93 | 280 | 12 | 100 | 16324 | 2 | -65.2 | | 5 | 95 | 260 | 17 | 100 | 16396 | 0 | -69.2 | | 2 | 97 | 260 | 26 |
| 150 | 13741 | 0 | -58.0 | | 1 | 92 | 280 | 15 | 150 | 13831 | 1 | -61.5 | | 4 | 91 | 260 | 25 | 150 | 13948 | 0 | -64.4 | | 3 | 97 | 250 | 37 |
| 200 | 11935 | 0 | -57.8 | | 1 | 90 | 280 | 16 | 200 | 12028 | 1 | -56.9 | | 4 | 93 | 270 | 29 | 200 | 12166 | 0 | -57.6 | | 3 | 96 | 260 | 43 |
| 300 | 9312 | 0 | -44.7 | | 1 | 62 | 290 | 11 | 300 | 9385 | 1 | -42.1 | | 4 | 87 | 270 | 22 | 300 | 9510 | 0 | -38.6 | 14.6 | 3 | 94 | 250 | 36 |
| 500 | 5696 | 0 | -17.2 | 17.4 | 0 | 60 | 300 | 7 | 500 | 5740 | 1 | -15.9 | 18.9 | 3 | 66 | 270 | 9 | 500 | 5787 | 0 | -11.8 | 20.2 | 3 | 92 | 250 | 19 |
| 700 | 3092 | 0 | -1.3 | 15.4 | 1 | 55 | 320 | 5 | 700 | 3122 | 1 | .3 | 17.3 | 4 | 49 | 280 | 4 | 700 | 3132 | 0 | 4.2 | 24.4 | 2 | 82 | 260 | 8 |
| 850 | 1523 | 0 | 6.5 | 8.9 | 9 | 54 | 310 | 3 | 850 | 1541 | 1 | 8.7 | 13.3 | 3 | 25 | 270 | 2 | 850 | 1527 | 0 | 13.4 | 21.2 | 5 | 7 | 30 | 1 |
| 1017 | * 25 | | 14.2 | 6.6 | | | | | 929 | * 773 | | 15.9 | 13.4 | | | | | 986 | * 293 | | 23.2 | 18.6 | | | | |
| AFRICA - ALGERIA TAMANRASSET 60680 NOV 2004 2247N 00531E OB 3 | | | | | | | | | AFRICA - TUNISIA TUNIS-CARTHAGE 60715 NOV 2004 3650N 01014E OB 1 | | | | | | | | | AFRICA - NIGER NIAMEY-AERO 61052 NOV 2004 1329N 00210E OB 2 | | | | | | | | |
| 030 | 23789 | 9 | -55.7 | | 9 | 54 | 120 | 4 | 030 | 23705 | 6 | -57.8 | 30.2 | 8 | 96 | 267 | 16 | 030 | 23761 | 9 | -56.9 | | 9 | 85 | 95 | 8 |
| 050 | 20592 | 0 | -64.0 | | 4 | 26 | 220 | 1 | 050 | 20499 | 0 | -61.2 | 28.3 | 0 | 91 | 270 | 13 | 050 | 20591 | 6 | -66.1 | 25.9 | 8 | 23 | 131 | 2 |
| 100 | 16478 | 0 | -72.6 | | 3 | 94 | 260 | 25 | 100 | 16219 | 0 | -62.7 | 24.3 | 0 | 88 | 274 | 14 | 100 | 16567 | 2 | -78.2 | 17.9 | 3 | 82 | 235 | 11 |
| 150 | 14070 | 0 | -67.4 | | 1 | 97 | 260 | 36 | 150 | 13707 | 0 | -60.1 | 22.3 | 1 | 86 | 271 | 17 | 150 | 14195 | 2 | -68.3 | 15.0 | 3 | 91 | 241 | 15 |
| 200 | 12292 | 0 | -56.2 | | 0 | 95 | 260 | 35 | 200 | 11903 | 0 | -58.3 | 15.7 | 1 | 79 | 274 | 17 | 200 | 12415 | 2 | -54.4 | 16.9 | 2 | 87 | 237 | 12 |
| 300 | 9599 | 0 | -35.8 | 15.8 | 0 | 96 | 260 | 27 | 300 | 9287 | 0 | -44.7 | 12.6 | 1 | 56 | 269 | 11 | 300 | 9686 | 1 | -32.2 | 22.8 | 2 | 81 | 247 | 9 |
| 500 | 5846 | 0 | -9.1 | 21.3 | 0 | 94 | 260 | 15 | 500 | 5673 | 0 | -17.8 | 16.9 | 0 | 56 | 262 | 7 | 500 | 5880 | 0 | -5.8 | 29.8 | 1 | 25 | 140 | 1 |
| 700 | 3160 | 0 | 7.8 | 20.6 | 1 | 92 | 240 | 8 | 700 | 3069 | 0 | -1.1 | 14.7 | 0 | 48 | 265 | 5 | 700 | 3173 | 0 | 9.6 | 20.3 | 1 | 76 | 85 | 4 |
| 850 | 1528 | 0 | 19.4 | 26.3 | 0 | 45 | 190 | 2 | 850 | 1498 | 0 | 6.5 | 5.7 | 0 | 56 | 290 | 5 | 850 | 1527 | 0 | 22.3 | 28.0 | 1 | 84 | 61 | 5 |
| 867 | *1378 | | 19.3 | 19.8 | | | | | 1016 | * 4 | | 14.6 | 3.0 | | | | | 986 | * 227 | | 30.1 | 24.5 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AFRICA - SOUTH AFRICA CAPE TOWN INTNL. AIRPORT 68816 NOV 2004 3397S 01860E OB 3 | | | | | | | | | AFRICA - SOUTH AFRICA PORT ELIZABETH 68842 NOV 2004 3398S 02562E OB 3 | | | | | | | | | AFRICA - SOUTH AFRICA GOUGH ISLAND 68906 NOV 2004 4021S 00953W OB 3 | | | | | | | | |
| 030 | 23844 | 15 | -55.9 | | 9 | 99 | 158 | 3 | 030 | 23814 | 16 | -56.4 | 31.8 | 9 | 99 | 165 | 3 | 030 | 23758 | 3 | -54.5 | | 4 | 94 | 273 | 11 |
| 050 | 20638 | 3 | -61.9 | | 4 | 99 | 288 | 5 | 050 | 20627 | 6 | -62.3 | 29.1 | 6 | 99 | 273 | 4 | 050 | 20517 | 1 | -58.2 | | 2 | 97 | 277 | 15 |
| 100 | 16442 | 0 | -68.7 | | 1 | 99 | 273 | 22 | 100 | 16438 | 2 | -68.3 | 19.5 | 2 | 99 | 277 | 21 | 100 | 16188 | 1 | -60.5 | | 2 | 96 | 276 | 29 |
| 150 | 13989 | 0 | -63.2 | | 1 | 99 | 272 | 29 | 150 | 13987 | 2 | -63.6 | 17.0 | 2 | 99 | 271 | 28 | 150 | 13654 | 1 | -58.5 | | 1 | 96 | 276 | 40 |
| 200 | 12198 | 0 | -57.3 | 12.6 | 1 | 99 | 274 | 28 | 200 | 12199 | 2 | -57.2 | 11.6 | 2 | 99 | 271 | 28 | 200 | 11844 | 0 | -56.7 | 16.1 | 1 | 93 | 277 | 48 |
| 300 | 9535 | 0 | -38.2 | 15.9 | 1 | 99 | 276 | 24 | 300 | 9532 | 2 | -38.3 | 15.5 | 2 | 99 | 271 | 23 | 300 | 9206 | 0 | -43.1 | 12.1 | 1 | 92 | 277 | 41 |
| 500 | 5807 | 0 | -9.7 | 28.9 | 1 | 99 | 276 | 16 | 500 | 5806 | 2 | -10.4 | 23.1 | 3 | 99 | 271 | 17 | 500 | 5577 | 0 | -17.5 | 15.8 | 1 | 95 | 278 | 31 |
| 700 | 3129 | 0 | 6.8 | 29.3 | 1 | 99 | 273 | 9 | 700 | 3130 | 2 | 7.1 | 15.4 | 2 | 99 | 274 | 11 | 700 | 2981 | 0 | -2.9 | 14.0 | 1 | 95 | 278 | 23 |
| 850 | 1514 | 0 | 14.2 | 20.0 | 1 | 99 | 215 | 4 | 850 | 1511 | 2 | 14.3 | 11.7 | 2 | 99 | 244 | 1 | 850 | 1421 | 0 | 4.1 | 6.4 | 2 | 90 | 276 | 16 |
| 1010 | * 46 | | 17.2 | 3.8 | | | | | 1007 | * 69 | | 18.2 | 2.6 | | | | | 1003 | * 54 | | 11.1 | 2.6 | | | | |
| N AMERICA - USA (ALASKA) BARROW/W. POST W. ROGERS 70026 NOV 2004 7118N 15647W OB 3 | | | | | | | | | N AMERICA - USA (ALASKA) KOTZEBUE, RALPH WIEN 70133 NOV 2004 6652N 16238W OB 3 | | | | | | | | | N AMERICA - USA (ALASKA) NOME 70200 NOV 2004 6430N 16526W OB 3 | | | | | | | | |
| 030 | 23175 | 0 | -58.7 | 12.2 | 0 | 92 | 254 | 20 | 030 | 23375 | 2 | -53.0 | 22.1 | 2 | 89 | 250 | 19 | 030 | 23428 | 0 | -51.6 | 21.6 | 0 | 87 | 246 | 16 |
| 050 | 19959 | 1 | -57.6 | 12.2 | 1 | 89 | 249 | 14 | 050 | 20091 | 2 | -53.3 | 21.9 | 2 | 89 | 243 | 15 | 050 | 20124 | 0 | -52.7 | 20.6 | 0 | 86 | 242 | 14 |
| 100 | 15555 | 0 | -54.8 | 11.9 | 0 | 89 | 242 | 10 | 100 | 15608 | 1 | -53.4 | 21.2 | 1 | 89 | 230 | 10 | 100 | 15648 | 0 | -52.0 | 20.4 | 0 | 86 | 232 | 10 |
| 150 | 12956 | 0 | -53.8 | 10.8 | 0 | 90 | 239 | 8 | 150 | 12995 | 2 | -52.3 | 21.3 | 2 | 87 | 223 | 10 | 150 | 13022 | 0 | -51.8 | 19.5 | 0 | 79 | 228 | 9 |
| 200 | 11108 | 0 | -54.2 | 9.1 | 0 | 83 | 229 | 7 | 200 | 11139 | 1 | -53.1 | 18.0 | 2 | 84 | 214 | 9 | 200 | 11155 | 0 | -52.0 | 16.1 | 0 | 75 | 216 | 9 |
| 300 | 8534 | 0 | -56.6 | 7.2 | 0 | 51 | 210 | 7 | 300 | 8546 | 1 | -55.2 | 7.4 | 2 | 73 | 197 | 11 | 300 | 8548 | 0 | -54.3 | 7.7 | 0 | 58 | 213 | 9 |
| 500 | 5146 | 0 | -35.0 | 7.7 | 0 | 32 | 181 | 4 | 500 | 5155 | 0 | -34.7 | 9.6 | 1 | 59 | 192 | 7 | 500 | 5152 | 0 | -34.7 | 8.3 | 0 | 53 | 204 | 7 |
| 700 | 2758 | 0 | -20.4 | 7.7 | 0 | 31 | 123 | 3 | 700 | 2728 | 0 | -19.3 | 7.9 | 1 | 41 | 186 | 4 | 700 | 2719 | 0 | -18.4 | 8.4 | 0 | 44 | 175 | 5 |
| 850 | 1303 | 0 | -14.5 | 5.5 | 1 | 52 | 106 | 5 | 850 | 1262 | 0 | -11.8 | 4.7 | 6 | 29 | 113 | 3 | 850 | 1246 | 0 | -10.3 | 4.4 | 0 | 42 | 144 | 4 |
| 1004 | * 4 | | -15.8 | 2.0 | | | | | 1001 | * 5 | | -10.8 | 2.2 | | | | | 997 | * 7 | | -5.3 | 3.1 | | | | |
| N AMERICA - USA (ALASKA) ANCHORAGE/INT. 70273 NOV 2004 6110N 15001W OB 3 | | | | | | | | | N AMERICA - USA (ALASKA) COLD BAY 70316 NOV 2004 5512N 16243W OB 3 | | | | | | | | | N AMERICA - USA (ALASKA) YAKUTAT 70361 NOV 2004 5931N 13940W OB 3 | | | | | | | | |
| 030 | 23546 | 0 | -52.1 | 19.1 | 0 | 88 | 255 | 13 | 030 | 23593 | 1 | -51.7 | 22.2 | 1 | 84 | 247 | 9 | 030 | 23588 | 0 | -53.7 | 17.3 | 3 | 85 | 273 | 11 |
| 050 | 20250 | 0 | -53.1 | 18.5 | 0 | 92 | 249 | 14 | 050 | 20289 | 1 | -53.0 | 22.0 | 1 | 91 | 243 | 11 | 050 | 20308 | 0 | -54.1 | 17.2 | 4 | 91 | 262 | 13 |
| 100 | 15780 | 0 | -52.4 | 18.4 | 1 | 96 | 241 | 15 | 100 | 15812 | 1 | -51.9 | 22.0 | 1 | 94 | 239 | 17 | 100 | 15856 | 0 | -53.5 | 16.2 | 5 | 94 | 257 | 16 |
| 150 | 13164 | 0 | -52.4 | 16.9 | 1 | 93 | 240 | 15 | 150 | 13187 | 1 | -51.6 | 21.2 | 1 | 88 | 239 | 19 | 150 | 13259 | 0 | -54.8 | 14.8 | 4 | 93 | 255 | 18 |
| 200 | 11307 | 0 | -53.6 | 12.8 | 1 | 91 | 239 | 19 | 200 | 11318 | 1 | -51.9 | 17.6 | 1 | 86 | 233 | 22 | 200 | 11412 | 0 | -54.2 | 12.1 | 5 | 88 | 258 | 19 |
| 300 | 8714 | 0 | -53.2 | 6.2 | 0 | 78 | 234 | 21 | 300 | 8705 | 0 | -50.9 | 10.8 | 0 | 81 | 231 | 24 | 300 | 8804 | 0 | -51.0 | 7.0 | 2 | 76 | 255 | 22 |
| 500 | 5273 | 0 | -30.8 | 6.8 | 0 | 73 | 218 | 13 | 500 | 5248 | 0 | -30.7 | 9.1 | 0 | 80 | 233 | 18 | 500 | 5341 | 0 | -29.8 | 5.3 | 0 | 69 | 243 | 12 |
| 700 | 2802 | 0 | -14.7 | 4.6 | 0 | 75 | 189 | 8 | 700 | 2777 | 0 | -14.4 | 7.2 | 0 | 75 | 234 | 12 | 700 | 2862 | 0 | -13.7 | 5.5 | 0 | 65 | 221 | 8 |
| 850 | 1308 | 1 | -6.4 | 3.7 | 1 | 60 | 157 | 6 | 850 | 1278 | 0 | -5.2 | 4.3 | 0 | 62 | 232 | 9 | 850 | 1359 | 0 | -4.4 | 2.6 | 0 | 55 | 185 | 5 |
| 997 | * 40 | | -2.4 | 2.5 | | | | | 994 | * 31 | | 2.3 | 3.3 | | | | | 1006 | * 9 | | 1.7 | .9 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N AMERICA - USA KEY WEST/INT., FL. 72201 NOV 2004 2433N 08145W OB | | | | | | | | N AMERICA - USA SHREVEPORT/REG., LA. 72248 NOV 2004 3228N 09347W OB 2 | | | | | | | | N AMERICA - USA NEWPORT, NC 72305 NOV 2004 3447N 07653W OB 2 | | | | | | | | | | |
| 030 | 23810 | 2 | -55.2 | 12.1 | 2 | 4 | 345 | 0 | 030 | 23685 | 3 | -59.6 | 20.2 | 8 | 91 | 278 | 9 | 030 | 23687 | 2 | -58.6 | 18.9 | 6 | 96 | 269 | 10 |
| 050 | 20611 | 2 | -63.9 | 9.5 | 2 | 33 | 321 | 1 | 050 | 20532 | 2 | -65.1 | 15.5 | | | | | 050 | 20522 | 3 | -63.8 | 15.4 | 7 | 91 | 273 | 8 |
| 100 | 16520 | 2 | -74.1 | 7.7 | 2 | 94 | 281 | 15 | 100 | 16371 | 2 | -68.7 | 12.2 | | | | | 100 | 16334 | 1 | -68.1 | 12.0 | 8 | 96 | 279 | 19 |
| 150 | 14118 | 1 | -66.0 | 9.0 | 1 | 91 | 277 | 22 | 150 | 13921 | 2 | -64.5 | 11.5 | | | | | 150 | 13883 | 1 | -64.7 | 10.5 | 8 | 92 | 283 | 24 |
| 200 | 12328 | 1 | -55.3 | 10.8 | 1 | 87 | 286 | 20 | 200 | 12138 | 1 | -57.7 | 10.9 | 9 | 88 | 261 | 33 | 200 | 12105 | 1 | -58.6 | 9.4 | 9 | 93 | 289 | 27 |
| 300 | 9630 | 1 | -35.7 | 14.0 | 1 | 80 | 289 | 13 | 300 | 9476 | 1 | -39.3 | 11.5 | 6 | 89 | 260 | 28 | 300 | 9459 | 0 | -40.7 | 10.5 | 6 | 88 | 289 | 23 |
| 500 | 5868 | 1 | -7.8 | 22.2 | 1 | 59 | 300 | 5 | 500 | 5776 | 1 | -12.3 | 16.0 | 2 | 85 | 252 | 18 | 500 | 5773 | 0 | -12.7 | 16.6 | 2 | 92 | 285 | 17 |
| 700 | 3168 | 1 | 8.7 | 27.5 | 1 | 28 | 17 | 2 | 700 | 3119 | 0 | 4.0 | 14.6 | 2 | 81 | 247 | 12 | 700 | 3125 | 0 | 2.5 | 14.8 | 0 | 83 | 280 | 10 |
| 850 | 1547 | 1 | 14.1 | 7.7 | 1 | 42 | 106 | 3 | 850 | 1519 | 0 | 10.6 | 9.5 | 0 | 57 | 239 | 6 | 850 | 1535 | 0 | 9.0 | 12.5 | 1 | 57 | 284 | 5 |
| 1018 | * 6 | | 23.6 | 4.6 | | | | | 1008 | * 79 | | 12.5 | 2.0 | | | | | 1020 | * 11 | | 8.6 | 1.2 | | | | |
| N AMERICA - USA NASHVILLE/OLD HICKORY, TN. 72327 NOV 2004 3615N 08634W OB 3 | | | | | | | | N AMERICA - USA STERLING, VA. 72403 NOV 2004 3859N 07728W OB 3 | | | | | | | | N AMERICA - USA NORTH PLATTE/LEE BIRD, NE. 72562 NOV 2004 4108N 10041W OB 3 | | | | | | | | | | |
| 030 | 23691 | 1 | -58.5 | 12.2 | 4 | 90 | 275 | 9 | 030 | 23641 | 0 | -59.9 | 18.5 | 0 | 91 | 276 | 11 | 030 | 23668 | 0 | -58.8 | 19.5 | 0 | 78 | 293 | 6 |
| 050 | 20520 | 1 | -63.6 | 10.2 | 7 | 93 | 281 | 9 | 050 | 20479 | 0 | -63.1 | 16.5 | 1 | 89 | 280 | 10 | 050 | 20484 | 0 | -61.6 | 17.8 | 0 | 91 | 279 | 8 |
| 100 | 16314 | 0 | -66.7 | 9.3 | 9 | | 277 | 19 | 100 | 16242 | 0 | -64.7 | 13.5 | 2 | 95 | 279 | 21 | 100 | 16199 | 0 | -61.6 | 16.0 | 1 | 93 | 269 | 16 |
| 150 | 13841 | 0 | -63.6 | 9.2 | 8 | 92 | 272 | 27 | 150 | 13757 | 0 | -62.1 | 11.3 | 4 | 93 | 284 | 27 | 150 | 13678 | 0 | -59.5 | 14.3 | 0 | 91 | 262 | 21 |
| 200 | 12062 | 0 | -58.8 | 9.4 | 5 | 87 | 269 | 31 | 200 | 11969 | 0 | -58.9 | 9.3 | 2 | 90 | 281 | 34 | 200 | 11868 | 0 | -57.4 | 11.7 | 0 | 85 | 257 | 22 |
| 300 | 9418 | 0 | -40.8 | 9.3 | 0 | 88 | 264 | 28 | 300 | 9343 | 0 | -42.9 | 8.2 | 0 | 84 | 274 | 30 | 300 | 9252 | 0 | -45.0 | 10.4 | 0 | 66 | 265 | 16 |
| 500 | 5739 | 0 | -13.9 | 11.9 | 0 | 87 | 262 | 18 | 500 | 5695 | 0 | -16.0 | 14.3 | 2 | 84 | 279 | 19 | 500 | 5646 | 0 | -18.8 | 12.8 | 0 | 59 | 274 | 9 |
| 700 | 3105 | 0 | .6 | 9.3 | 1 | 70 | 260 | 10 | 700 | 3079 | 0 | -.7 | 16.0 | 0 | 80 | 280 | 14 | 700 | 3058 | 0 | -3.3 | 12.4 | 0 | 43 | 278 | 5 |
| 850 | 1524 | 0 | 7.9 | 9.7 | 1 | 58 | 236 | 6 | 850 | 1513 | 0 | 4.3 | 10.4 | 2 | 66 | 289 | 8 | 850 | 1501 | 0 | 2.9 | 10.8 | 2 | 31 | 326 | 4 |
| 1000 | * 180 | | 9.2 | 3.4 | | | | | 1012 | * 98 | | 5.6 | 2.7 | | | | | 922 | * 849 | | -.6 | 1.7 | | | | |
| N AMERICA - USA MEDFORD/MEDFORD- JACKSON COU 72597 NOV 2004 4222N 12252W OB 3 | | | | | | | | N AMERICA - USA CHANHASSEN, MN 72649 NOV 2004 4451N 09334W OB 2 | | | | | | | | N AMERICA - USA INT.FALLS/FALLS INT.MN. 72747 NOV 2004 4834N 09323W OB 3 | | | | | | | | | | |
| 030 | 23696 | 0 | -59.1 | 12.9 | 1 | 44 | 319 | 3 | 030 | 23624 | 0 | -59.5 | 19.1 | 0 | 79 | 297 | 7 | 030 | 23586 | 1 | -58.8 | 21.8 | 3 | 89 | 301 | 11 |
| 050 | 20516 | 0 | -61.6 | 11.8 | 5 | 75 | 301 | 6 | 050 | 20439 | 0 | -60.5 | 18.2 | 0 | 90 | 284 | 10 | 050 | 20386 | 0 | -59.5 | 20.7 | 4 | 91 | 291 | 11 |
| 100 | 16227 | 0 | -62.2 | 11.1 | 5 | 76 | 284 | 11 | 100 | 16125 | 0 | -60.2 | 16.5 | 1 | 93 | 270 | 21 | 100 | 16030 | 0 | -57.6 | 19.7 | 2 | 92 | 277 | 19 |
| 150 | 13709 | 0 | -60.8 | 10.5 | 5 | 68 | 299 | 15 | 150 | 13587 | 0 | -58.8 | 14.5 | 1 | 90 | 267 | 27 | 150 | 13465 | 0 | -56.6 | 17.6 | 4 | 92 | 273 | 23 |
| 200 | 11920 | 0 | -59.7 | 9.5 | 4 | 60 | 312 | 16 | 200 | 11777 | 0 | -57.8 | 11.1 | 0 | 87 | 268 | 31 | 200 | 11643 | 0 | -56.7 | 13.8 | 4 | 85 | 271 | 25 |
| 300 | 9311 | 0 | -44.2 | 11.3 | 2 | 47 | 305 | 12 | 300 | 9171 | 0 | -46.5 | 8.6 | 0 | 80 | 268 | 27 | 300 | 9035 | 0 | -48.1 | 10.6 | 1 | 82 | 276 | 28 |
| 500 | 5686 | 0 | -17.8 | 11.9 | 0 | 47 | 311 | 8 | 500 | 5590 | 0 | -20.3 | 10.7 | 0 | 85 | 274 | 19 | 500 | 5494 | 0 | -24.1 | 11.4 | 0 | 87 | 283 | 21 |
| 700 | 3091 | 0 | -2.0 | 12.2 | 0 | 44 | 331 | 5 | 700 | 3022 | 0 | -5.7 | 13.2 | 0 | 86 | 280 | 12 | 700 | 2965 | 0 | -9.6 | 13.7 | 0 | 93 | 288 | 15 |
| 850 | 1528 | 0 | 4.2 | 8.4 | 0 | 15 | 78 | 1 | 850 | 1480 | 0 | .5 | 13.7 | 0 | 63 | 285 | 7 | 850 | 1445 | 0 | -2.5 | 12.8 | 0 | 77 | 284 | 9 |
| 977 | * 405 | | 2.6 | .7 | | | | | 985 | * 287 | | .7 | 2.6 | | | | | 974 | * 361 | | -2.9 | 2.2 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N AMERICA - USA BISMARCK/MUN.,ND. 72764 NOV 2004 4646N 10045W OB 3 | | | | | | | | | N AMERICA - CANADA NORMAN WELLS UA, N.W.T. 71043 NOV 2004 6517N 12645W OB 3 | | | | | | | | | N AMERICA - CANADA HALL BEACH UA,N.W.T. 71081 NOV 2004 6846N 08113W OB 3 | | | | | | | | |
| 030 | 23604 | 4 | -58.8 | 11.5 | 6 | 80 | 303 | 8 | 030 | 23475 | 1 | -55.4 | 28.2 | | 91 | 278 | 17 | 030 | 23222 | 1 | -61.4 | 27.7 | 1 | 80 | 294 | 11 |
| 050 | 20408 | 3 | -59.8 | 11.7 | 8 | 89 | 281 | 9 | 050 | 20210 | 1 | -54.7 | 27.9 | | 89 | 275 | 15 | 050 | 20031 | 0 | -58.2 | 28.4 | 1 | 78 | 283 | 9 |
| 100 | 16076 | 2 | -59.4 | 11.3 | 8 | 93 | 275 | 16 | 100 | 15751 | 1 | -52.8 | 26.9 | | 90 | 269 | 15 | 100 | 15617 | 0 | -53.0 | 29.3 | 1 | 78 | 265 | 8 |
| 150 | 13530 | 2 | -58.8 | 10.8 | 7 | 91 | 274 | 21 | 150 | 13132 | 1 | -52.5 | 24.1 | | 92 | 270 | 18 | 150 | 12987 | 0 | -51.1 | 28.2 | 1 | 79 | 253 | 8 |
| 200 | 11725 | 2 | -59.0 | 10.1 | 8 | 83 | 272 | 19 | 200 | 11271 | 1 | -52.7 | 18.2 | | 92 | 274 | 19 | 200 | 11114 | 0 | -50.4 | 23.6 | 2 | 75 | 248 | 8 |
| 300 | 9128 | 2 | -47.6 | 10.5 | 7 | 73 | 283 | 18 | 300 | 8674 | 1 | -54.3 | 7.1 | 9 | 87 | 286 | 21 | 300 | 8496 | 0 | -54.5 | 11.7 | 1 | 52 | 240 | 8 |
| 500 | 5563 | 2 | -22.1 | 10.2 | 7 | 86 | 283 | 15 | 500 | 5253 | 1 | -32.2 | 8.5 | 9 | 91 | 292 | 16 | 500 | 5116 | 0 | -37.5 | 9.9 | 1 | 41 | 241 | 6 |
| 700 | 3006 | 2 | -6.6 | 11.8 | 5 | 85 | 280 | 11 | 700 | 2801 | 1 | -17.3 | 5.8 | 9 | 85 | 290 | 10 | 700 | 2723 | 0 | -23.8 | 8.5 | 2 | 36 | 255 | 4 |
| 850 | 1468 | 2 | .5 | 11.2 | 5 | 67 | 272 | 7 | 850 | 1326 | 1 | -10.9 | 5.4 | 9 | 61 | 276 | 6 | 850 | 1288 | 0 | -18.4 | 7.9 | 3 | 25 | 313 | 3 |
| 958 | * 506 | | -2.6 | 3.7 | | | | | 1002 | * 95 | | -17.1 | 4.1 | | | | | 1009 | * 6 | | -23.9 | 3.7 | | | | |
| N AMERICA - CANADA ALERT UA, N.W.T. 71082 NOV 2004 8230N 06220W OB 3 | | | | | | | | | N AMERICA - CANADA PORT HARDY UA,B.C. 71109 NOV 2004 5041N 12722W OB 3 | | | | | | | | | N AMERICA - CANADA EDMONTON STONY PLAIN, ALTA 71119 NOV 2004 5332N 11406W OB 3 | | | | | | | | |
| 030 | 22976 | 3 | -66.9 | 21.6 | 3 | 62 | 300 | 13 | 030 | 23679 | 6 | -56.4 | 22.1 | 8 | 62 | 298 | 5 | 030 | 23627 | 2 | -56.2 | 23.6 | 2 | 76 | 303 | 8 |
| 050 | 19855 | 1 | -62.2 | 23.1 | 2 | 51 | 287 | 8 | 050 | 20447 | 3 | -58.2 | 19.7 | 6 | 82 | 287 | 9 | 050 | 20392 | 1 | -57.1 | 23.3 | 1 | 90 | 292 | 11 |
| 100 | 15505 | 1 | -55.9 | 24.3 | 1 | 55 | 265 | 6 | 100 | 16083 | 1 | -58.1 | 17.5 | 5 | 88 | 279 | 17 | 100 | 15992 | 1 | -56.3 | 21.0 | 1 | 93 | 287 | 19 |
| 150 | 12904 | 0 | -53.6 | 22.4 | 1 | 53 | 248 | 4 | 150 | 13532 | 1 | -58.8 | 13.0 | 5 | 87 | 278 | 23 | 150 | 13423 | 1 | -57.1 | 16.7 | 2 | 91 | 288 | 24 |
| 200 | 11051 | 0 | -53.2 | 17.2 | 2 | 41 | 229 | 3 | 200 | 11745 | 0 | -60.8 | 9.6 | 7 | 80 | 280 | 27 | 200 | 11607 | 0 | -58.5 | 12.7 | 2 | 84 | 290 | 29 |
| 300 | 8464 | 0 | -56.5 | 7.6 | 1 | 23 | 158 | 3 | 300 | 9152 | 0 | -47.3 | 6.9 | 5 | 75 | 276 | 27 | 300 | 9013 | 0 | -48.4 | 9.0 | 1 | 81 | 291 | 32 |
| 500 | 5116 | 0 | -39.4 | 5.9 | 2 | 9 | 111 | 1 | 500 | 5578 | 0 | -21.0 | 7.9 | 5 | 81 | 271 | 20 | 500 | 5486 | 0 | -25.0 | 11.0 | 1 | 88 | 289 | 21 |
| 700 | 2742 | 0 | -25.5 | 7.2 | 1 | 12 | 76 | 1 | 700 | 3017 | 0 | -6.3 | 9.1 | 6 | 64 | 271 | 10 | 700 | 2962 | 0 | -9.6 | 10.0 | 2 | 91 | 294 | 15 |
| 850 | 1318 | 0 | -20.9 | 6.9 | 1 | 21 | 352 | 2 | 850 | 1478 | 0 | .4 | 4.9 | 4 | 47 | 236 | 5 | 850 | 1437 | 0 | -.3 | 10.0 | 2 | 79 | 292 | 10 |
| 1013 | * 65 | | -28.0 | 3.6 | | | | | 1017 | * 17 | | 6.2 | 1.1 | | | | | 924 | * 766 | | -.8 | 4.7 | | | | |
| N AMERICA - CANADA SABLE ISLAND,N.S. 71600 NOV 2004 4356N 06001W OB 3 | | | | | | | | | N AMERICA - CANADA YARMOUTH, N.S. 71603 NOV 2004 4352N 06606W OB 3 | | | | | | | | | N AMERICA - CANADA MANIWAKI,QUE. 71722 NOV 2004 4623N 07558W OB 3 | | | | | | | | |
| 030 | 23623 | 0 | -61.2 | 23.0 | 1 | 90 | 259 | 13 | 030 | 23630 | 0 | -60.4 | 20.3 | 2 | 88 | 261 | 12 | 030 | 23588 | 1 | -60.3 | 20.4 | 0 | 85 | 278 | 10 |
| 050 | 20454 | 0 | -61.8 | 22.8 | 0 | 86 | 251 | 10 | 050 | 20454 | 0 | -61.4 | 20.3 | 2 | 87 | 259 | 10 | 050 | 20409 | 1 | -60.9 | 19.7 | 2 | 89 | 271 | 11 |
| 100 | 16150 | 0 | -60.2 | 22.0 | 0 | 85 | 257 | 16 | 100 | 16145 | 0 | -59.9 | 19.4 | 1 | 89 | 266 | 17 | 100 | 16074 | 0 | -58.4 | 18.9 | 0 | 90 | 272 | 20 |
| 150 | 13606 | 0 | -56.8 | 19.9 | 1 | 82 | 263 | 21 | 150 | 13596 | 0 | -57.4 | 17.2 | 2 | 86 | 270 | 25 | 150 | 13518 | 0 | -56.5 | 17.3 | 0 | 89 | 273 | 26 |
| 200 | 11777 | 0 | -55.3 | 16.1 | 1 | 76 | 264 | 24 | 200 | 11775 | 0 | -56.3 | 13.5 | 1 | 79 | 274 | 29 | 200 | 11690 | 0 | -55.9 | 14.3 | 0 | 86 | 276 | 32 |
| 300 | 9137 | 0 | -44.5 | 13.4 | 1 | 66 | 264 | 24 | 300 | 9145 | 0 | -45.0 | 10.6 | 1 | 73 | 276 | 28 | 300 | 9064 | 0 | -46.1 | 11.4 | 0 | 82 | 277 | 32 |
| 500 | 5545 | 0 | -20.8 | 12.0 | 0 | 64 | 262 | 15 | 500 | 5549 | 0 | -20.3 | 11.8 | 0 | 73 | 276 | 21 | 500 | 5502 | 0 | -23.5 | 8.8 | 0 | 83 | 276 | 22 |
| 700 | 2978 | 0 | -6.2 | 9.2 | 0 | 62 | 264 | 10 | 700 | 2983 | 0 | -6.1 | 14.1 | 0 | 68 | 278 | 13 | 700 | 2964 | 0 | -8.9 | 13.2 | 0 | 80 | 276 | 14 |
| 850 | 1440 | 0 | -.2 | 8.3 | 0 | 49 | 275 | 7 | 850 | 1447 | 0 | -1.0 | 8.5 | 0 | 52 | 290 | 7 | 850 | 1446 | 0 | -4.0 | 7.0 | 0 | 64 | 279 | 8 |
| 1015 | * 4 | | 6.4 | 5.2 | | | | | 1013 | * 9 | | 3.1 | 2.5 | | | | | 996 | * 173 | | -1.8 | 1.4 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N AMERICA - CANADA ST. JOHN'S UA, NFLD 71801 NOV 2004 4737N 05245W OB 3 | | | | | | | | | N AMERICA - CANADA SEPT-ILES UA, QUE. 71811 NOV 2004 5013N 06615W OB 3 | | | | | | | | | N AMERICA - CANADA STEPHENVILLE UA, NFLD 71815 NOV 2004 4834N 05834W OB 3 | | | | | | | | |
| 030 | 23606 | 2 | -62.5 | 21.0 | 2 | 85 | 259 | 11 | 030 | 23525 | 1 | -61.5 | 20.9 | 1 | 86 | 269 | 11 | 030 | 23557 | 0 | -61.9 | 25.9 | 0 | 85 | 260 | 11 |
| 050 | 20450 | 2 | -62.0 | 20.7 | 2 | 86 | 245 | 10 | 050 | 20349 | 1 | -60.8 | 20.5 | 1 | 87 | 260 | 11 | 050 | 20396 | 0 | -61.5 | 25.8 | 0 | 86 | 252 | 11 |
| 100 | 16147 | 2 | -59.6 | 19.9 | 3 | 87 | 239 | 15 | 100 | 16000 | 1 | -56.4 | 21.6 | 1 | 90 | 257 | 16 | 100 | 16068 | 0 | -57.9 | 25.8 | 0 | 87 | 247 | 15 |
| 150 | 13585 | 2 | -56.9 | 17.5 | 2 | 86 | 239 | 19 | 150 | 13410 | 1 | -54.0 | 20.7 | 2 | 87 | 262 | 20 | 150 | 13497 | 0 | -55.2 | 23.3 | 0 | 85 | 246 | 20 |
| 200 | 11759 | 2 | -55.3 | 14.7 | 2 | 79 | 236 | 22 | 200 | 11549 | 2 | -53.7 | 18.2 | 2 | 82 | 264 | 24 | 200 | 11656 | 0 | -54.7 | 17.1 | 0 | 78 | 251 | 22 |
| 300 | 9125 | 1 | -45.8 | 10.0 | 1 | 65 | 228 | 20 | 300 | 8934 | 1 | -47.8 | 11.8 | 1 | 71 | 264 | 24 | 300 | 9026 | 0 | -46.3 | 11.9 | 1 | 65 | 241 | 22 |
| 500 | 5535 | 1 | -20.4 | 10.5 | 0 | 67 | 233 | 14 | 500 | 5406 | 1 | -26.0 | 9.3 | 1 | 68 | 262 | 15 | 500 | 5465 | 0 | -23.2 | 8.7 | 0 | 65 | 246 | 15 |
| 700 | 2963 | 0 | -5.2 | 13.5 | 0 | 50 | 238 | 8 | 700 | 2900 | 1 | -12.9 | 8.8 | 1 | 64 | 261 | 9 | 700 | 2927 | 0 | -9.1 | 10.7 | 0 | 56 | 249 | 9 |
| 850 | 1424 | 0 | -3 | 10.4 | 0 | 34 | 257 | 5 | 850 | 1404 | 1 | -7.8 | 6.6 | 1 | 39 | 270 | 4 | 850 | 1407 | 0 | -3.3 | 11.8 | 0 | 30 | 246 | 4 |
| 996 | * 140 | | 3.4 | 1.7 | | | | | 1010 | * 53 | | -4.4 | 2.3 | | | | | 1012 | * 60 | | 2.3 | 3.2 | | | | |
| N AMERICA - CANADA GOOSE UA, NFLD. 71816 NOV 2004 5318N 06022W OB 3 | | | | | | | | | N AMERICA - CANADA LA GRANDE IV, QUE. 71823 NOV 2004 5345N 07340W OB 3 | | | | | | | | | N AMERICA - CANADA MOOSONEE, ONT. 71836 NOV 2004 5116N 08039W OB 3 | | | | | | | | |
| 030 | 23504 | 3 | -61.7 | 20.3 | 1 | 80 | 268 | 11 | 030 | 23480 | 0 | -60.2 | 23.1 | 2 | 82 | 272 | 11 | 030 | 23534 | 6 | -58.9 | 23.8 | | 88 | 285 | 12 |
| 050 | 20330 | 0 | -60.4 | 21.5 | 0 | 87 | 256 | 12 | 050 | 20285 | 0 | -58.8 | 23.4 | 2 | 84 | 265 | 11 | 050 | 20330 | 6 | -58.7 | 23.6 | | 90 | 274 | 12 |
| 100 | 15966 | 0 | -55.7 | 22.3 | 0 | 89 | 251 | 15 | 100 | 15892 | 0 | -54.6 | 24.2 | 1 | 85 | 261 | 15 | 100 | 15951 | 5 | -55.8 | 23.6 | 9 | 92 | 276 | 19 |
| 150 | 13370 | 0 | -53.1 | 21.5 | 0 | 86 | 246 | 19 | 150 | 13287 | 0 | -53.0 | 21.2 | 1 | 86 | 266 | 18 | 150 | 13358 | 2 | -54.6 | 20.6 | 9 | 90 | 280 | 24 |
| 200 | 11513 | 0 | -52.4 | 17.9 | 0 | 83 | 248 | 21 | 200 | 11429 | 0 | -52.4 | 17.8 | 3 | 82 | 270 | 20 | 200 | 11513 | 1 | -53.8 | 17.5 | 9 | 88 | 285 | 28 |
| 300 | 8886 | 0 | -48.7 | 10.4 | 1 | 71 | 244 | 21 | 300 | 8802 | 0 | -49.6 | 9.1 | 1 | 70 | 267 | 19 | 300 | 8880 | 0 | -48.1 | 11.9 | 9 | 82 | 284 | 27 |
| 500 | 5373 | 0 | -26.7 | 11.1 | 0 | 68 | 248 | 14 | 500 | 5321 | 0 | -29.7 | 9.4 | 0 | 70 | 270 | 12 | 500 | 5373 | 0 | -28.2 | 9.0 | 7 | 81 | 277 | 18 |
| 700 | 2871 | 0 | -13.5 | 12.6 | 0 | 50 | 262 | 7 | 700 | 2851 | 0 | -16.0 | 8.6 | 3 | 69 | 273 | 9 | 700 | 2885 | 0 | -13.7 | 9.4 | 6 | 76 | 276 | 12 |
| 850 | 1378 | 0 | -8.5 | 7.9 | 0 | 32 | 275 | 4 | 850 | 1371 | 0 | -10.0 | 4.8 | 2 | 63 | 265 | 8 | 850 | 1389 | 0 | -7.0 | 7.9 | 6 | 77 | 284 | 9 |
| 1008 | * 36 | | -5.8 | 2.8 | | | | | 975 | * 307 | | -5.8 | 1.6 | | | | | 1014 | * 10 | | -4.0 | 2.1 | | | | |
| N AMERICA - CANADA PICKLE LAKE, ONT. 71845 NOV 2004 5127N 09012W OB 2 | | | | | | | | | N AMERICA - CANADA THE PASS UA, MAN 71867 NOV 2004 5358N 10106W OB 3 | | | | | | | | | N AMERICA - CANADA KUUJJUAQ, UA, QUE. 71906 NOV 2004 5807N 06825W OB 3 | | | | | | | | |
| 030 | 23545 | 0 | -58.4 | 23.8 | 0 | 86 | 301 | 11 | 030 | 23558 | 1 | -57.0 | 24.8 | 0 | 89 | 308 | 12 | 030 | 23403 | 3 | -61.6 | 22.2 | 5 | 80 | 274 | 12 |
| 050 | 20334 | 0 | -58.3 | 23.2 | 0 | 90 | 290 | 12 | 050 | 20330 | 1 | -57.3 | 23.9 | 0 | 90 | 297 | 13 | 050 | 20214 | 3 | -58.5 | 22.8 | 4 | 82 | 263 | 11 |
| 100 | 15947 | 0 | -55.6 | 22.8 | 0 | 93 | 282 | 18 | 100 | 15920 | 1 | -54.7 | 23.6 | 0 | 94 | 288 | 18 | 100 | 15815 | 3 | -54.1 | 23.2 | 5 | 88 | 254 | 14 |
| 150 | 13360 | 0 | -54.7 | 21.0 | 0 | 91 | 280 | 24 | 150 | 13334 | 0 | -54.6 | 20.8 | 0 | 92 | 287 | 23 | 150 | 13200 | 3 | -52.1 | 22.5 | 5 | 86 | 252 | 15 |
| 200 | 11519 | 0 | -54.6 | 17.9 | 0 | 87 | 282 | 28 | 200 | 11493 | 0 | -54.6 | 16.7 | 0 | 89 | 287 | 28 | 200 | 11335 | 3 | -52.0 | 18.6 | 5 | 81 | 257 | 15 |
| 300 | 8896 | 0 | -48.3 | 12.2 | 0 | 81 | 284 | 29 | 300 | 8881 | 0 | -49.8 | 9.6 | 0 | 86 | 291 | 32 | 300 | 8721 | 3 | -52.5 | 8.7 | 4 | 70 | 257 | 16 |
| 500 | 5392 | 0 | -27.9 | 9.6 | 0 | 86 | 286 | 20 | 500 | 5389 | 0 | -28.0 | 10.2 | 0 | 90 | 292 | 23 | 500 | 5272 | 3 | -31.9 | 7.9 | 3 | 64 | 261 | 10 |
| 700 | 2897 | 0 | -13.2 | 10.5 | 0 | 91 | 285 | 14 | 700 | 2897 | 0 | -13.2 | 10.6 | 0 | 91 | 291 | 14 | 700 | 2819 | 2 | -18.1 | 9.3 | 2 | 59 | 258 | 7 |
| 850 | 1399 | 0 | -7.0 | 6.8 | 0 | 82 | 285 | 10 | 850 | 1396 | 0 | -6.1 | 7.9 | 0 | 80 | 292 | 9 | 850 | 1349 | 2 | -11.2 | 4.3 | 2 | 53 | 262 | 6 |
| 968 | * 389 | | -5.4 | 2.0 | | | | | 981 | * 274 | | -5.2 | 2.7 | | | | | 1005 | * 60 | | -6.3 | 2.4 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N AMERICA - CANADA INUKJUAK, QUE 71907 NOV 2004 5827N 07807W OB 3 | | | | | | | | N AMERICA - CANADA IQALUIT, N.W.T. 71909 NOV 2004 6345N 06833W OB 3 | | | | | | | | N AMERICA - CANADA CHURCHILL UA,MAN. 71913 NOV 2004 5844N 09405W OB 3 | | | | | | | | | | |
| 030 | 23402 | 0 | -59.9 | 23.1 | 0 | 82 | 282 | 12 | 030 | 23272 | 1 | -62.7 | 25.0 | 4 | 71 | 282 | 10 | 030 | 23475 | 5 | -58.5 | 24.2 | 4 | 92 | 308 | 14 |
| 050 | 20196 | 0 | -57.9 | 24.1 | 0 | 83 | 279 | 11 | 050 | 20101 | 1 | -59.4 | 25.7 | 3 | 79 | 263 | 11 | 050 | 20247 | 3 | -56.6 | 24.6 | 2 | 90 | 295 | 13 |
| 100 | 15781 | 0 | -53.7 | 24.8 | 0 | 89 | 269 | 13 | 100 | 15702 | 1 | -53.9 | 27.0 | 3 | 82 | 250 | 12 | 100 | 15817 | 3 | -53.1 | 23.6 | 3 | 91 | 285 | 16 |
| 150 | 13161 | 0 | -51.6 | 23.8 | 0 | 89 | 270 | 14 | 150 | 13087 | 1 | -51.9 | 25.7 | 2 | 80 | 242 | 12 | 150 | 13195 | 3 | -51.5 | 21.7 | 3 | 88 | 286 | 18 |
| 200 | 11294 | 0 | -51.9 | 19.3 | 0 | 85 | 267 | 16 | 200 | 11220 | 1 | -51.7 | 20.7 | 2 | 74 | 240 | 12 | 200 | 11318 | 2 | -51.2 | 18.4 | 2 | 88 | 284 | 21 |
| 300 | 8684 | 0 | -52.8 | 8.0 | 0 | 73 | 262 | 17 | 300 | 8613 | 1 | -54.0 | 8.3 | 3 | 62 | 232 | 14 | 300 | 8689 | 2 | -52.0 | 8.8 | 2 | 83 | 280 | 21 |
| 500 | 5241 | 0 | -32.2 | 7.7 | 0 | 66 | 262 | 10 | 500 | 5202 | 1 | -33.9 | 6.8 | 4 | 47 | 228 | 7 | 500 | 5260 | 1 | -32.6 | 6.1 | 1 | 78 | 281 | 12 |
| 700 | 2792 | 0 | -17.8 | 9.2 | 0 | 62 | 271 | 7 | 700 | 2768 | 1 | -19.3 | 8.7 | 3 | 46 | 230 | 5 | 700 | 2815 | 1 | -18.3 | 6.0 | 2 | 65 | 276 | 7 |
| 850 | 1322 | 0 | -11.5 | 4.1 | 0 | 43 | 264 | 5 | 850 | 1306 | 1 | -13.7 | 3.4 | 4 | 39 | 209 | 4 | 850 | 1343 | 1 | -11.2 | 5.5 | 4 | 49 | 284 | 5 |
| 1005 | * 6 | | -5.5 | 2.3 | | | | | 1003 | * 34 | | -10.5 | 2.8 | | | | | 1008 | * 29 | | -11.8 | .9 | | | | |
| N AMERICA - CANADA CORAL HARBOUR UA, N.W.T. 71915 NOV 2004 6412N 08322W OB 3 | | | | | | | | N AMERICA - CANADA EUREKA UA, N.W.T. 71917 NOV 2004 7959N 08556W OB 3 | | | | | | | | N AMERICA - CANADA RESOLUTE UA, N.W.T. 71924 NOV 2004 7442N 09458W OB 3 | | | | | | | | | | |
| 030 | 23323 | 2 | -59.4 | 26.5 | 4 | 80 | 292 | 12 | 030 | 23083 | 3 | -63.8 | 25.4 | 3 | 69 | 292 | 13 | 030 | 23154 | 9 | -61.1 | 24.0 | 7 | 82 | 297 | 13 |
| 050 | 20111 | 2 | -56.9 | 26.9 | 4 | 84 | 283 | 11 | 050 | 19895 | 1 | -60.2 | 26.5 | 1 | 59 | 286 | 8 | 050 | 19962 | 9 | -58.1 | 25.2 | 5 | 77 | 286 | 10 |
| 100 | 15676 | 2 | -52.7 | 28.3 | 3 | 80 | 270 | 10 | 100 | 15516 | 1 | -54.7 | 27.9 | 0 | 59 | 266 | 5 | 100 | 15541 | 5 | -53.4 | 26.3 | 4 | 76 | 271 | 7 |
| 150 | 13042 | 2 | -50.6 | 27.5 | 2 | 85 | 263 | 11 | 150 | 12908 | 1 | -52.7 | 26.5 | 0 | 43 | 259 | 3 | 150 | 12916 | 5 | -51.3 | 26.0 | 3 | 77 | 277 | 6 |
| 200 | 11165 | 2 | -50.4 | 23.5 | 2 | 77 | 263 | 11 | 200 | 11044 | 0 | -52.3 | 22.1 | 0 | 12 | 236 | 1 | 200 | 11043 | 4 | -50.4 | 23.5 | 5 | 60 | 289 | 5 |
| 300 | 8545 | 2 | -54.7 | 9.7 | 2 | 67 | 251 | 12 | 300 | 8437 | 0 | -55.8 | 8.4 | 1 | 23 | 41 | 3 | 300 | 8425 | 3 | -53.6 | 12.8 | 3 | 32 | 321 | 4 |
| 500 | 5157 | 2 | -36.4 | 8.9 | 2 | 55 | 254 | 8 | 500 | 5096 | 0 | -39.9 | 6.6 | 0 | 30 | 61 | 4 | 500 | 5064 | 3 | -40.0 | 8.7 | 3 | 28 | 349 | 4 |
| 700 | 2751 | 2 | -22.4 | 9.6 | 2 | 43 | 275 | 5 | 700 | 2729 | 0 | -26.8 | 5.2 | 0 | 30 | 75 | 3 | 700 | 2700 | 3 | -27.6 | 6.4 | 3 | 29 | 360 | 3 |
| 850 | 1307 | 2 | -16.6 | 8.0 | 2 | 36 | 272 | 3 | 850 | 1309 | 0 | -21.0 | 5.3 | 0 | 22 | 78 | 2 | 850 | 1289 | 3 | -22.0 | 4.9 | 3 | 21 | 360 | 2 |
| 1002 | * 57 | | -18.7 | 3.4 | | | | | 1015 | * 10 | | -33.2 | 5.0 | | | | | 1002 | * 40 | | -23.2 | 4.2 | | | | |
| N AMERICA - CANADA CAMBRIDGE BAY UA, N.W.T. 71925 NOV 2004 6908N 10504W OB 3 | | | | | | | | N AMERICA - CANADA BAKER LAKE UA, N.W.T. 71926 NOV 2004 6419N 09600W OB 3 | | | | | | | | N AMERICA - CANADA FORT SMITH UA, N.W.T. 71934 NOV 2004 6002N 11156W OB 3 | | | | | | | | | | |
| 030 | 23299 | 0 | -58.8 | 27.5 | 0 | 89 | 298 | 16 | 030 | 23390 | 4 | -58.5 | 25.8 | 3 | 90 | 304 | 14 | 030 | 23528 | 1 | -55.5 | 28.0 | 2 | 90 | 300 | 15 |
| 050 | 20077 | 0 | -56.1 | 28.0 | 1 | 87 | 294 | 13 | 050 | 20154 | 2 | -55.6 | 26.8 | 1 | 87 | 293 | 13 | 050 | 20281 | 0 | -55.5 | 27.7 | 2 | 91 | 290 | 15 |
| 100 | 15633 | 0 | -52.1 | 29.0 | 0 | 86 | 285 | 11 | 100 | 15699 | 2 | -52.0 | 27.9 | 2 | 90 | 285 | 13 | 100 | 15838 | 0 | -53.3 | 27.0 | 1 | 93 | 285 | 18 |
| 150 | 12998 | 0 | -50.5 | 27.8 | 1 | 90 | 291 | 11 | 150 | 13061 | 2 | -50.2 | 25.9 | 1 | 88 | 284 | 13 | 150 | 13222 | 0 | -52.7 | 24.5 | 1 | 94 | 287 | 22 |
| 200 | 11118 | 0 | -49.8 | 24.4 | 1 | 86 | 294 | 11 | 200 | 11179 | 2 | -49.3 | 22.4 | 1 | 88 | 282 | 14 | 200 | 11364 | 0 | -53.0 | 19.9 | 1 | 91 | 289 | 25 |
| 300 | 8481 | 0 | -52.2 | 13.7 | 0 | 61 | 303 | 9 | 300 | 8545 | 2 | -53.2 | 10.8 | 2 | 76 | 274 | 14 | 300 | 8752 | 0 | -51.5 | 10.2 | 2 | 90 | 294 | 28 |
| 500 | 5089 | 0 | -37.8 | 11.3 | 0 | 39 | 295 | 6 | 500 | 5148 | 2 | -35.9 | 8.3 | 1 | 67 | 269 | 11 | 500 | 5296 | 0 | -30.8 | 8.5 | 1 | 89 | 291 | 20 |
| 700 | 2707 | 0 | -25.2 | 6.7 | 0 | 26 | 278 | 3 | 700 | 2740 | 2 | -22.3 | 6.8 | 4 | 61 | 265 | 7 | 700 | 2832 | 0 | -16.0 | 7.2 | 1 | 89 | 292 | 13 |
| 850 | 1280 | 0 | -19.7 | 5.0 | 0 | 18 | 243 | 2 | 850 | 1295 | 2 | -17.0 | 5.3 | 2 | 51 | 262 | 5 | 850 | 1348 | 0 | -9.3 | 5.9 | 2 | 70 | 285 | 7 |
| 1007 | * 26 | | -24.4 | 4.3 | | | | | 1009 | * 50 | | -21.0 | 4.2 | | | | | 986 | * 203 | | -10.6 | 1.9 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N AMERICA - CANADA FORT NELSON UA, B.C. 71945 NOV 2004 5850N 12236W OB 3 | | | | | | | | | N AMERICA - CANADA INUVIK UA, N.W.T. 71957 NOV 2004 6819N 13332W OB 3 | | | | | | | | | N AMERICA - CANADA WHITEHORSE, UA, Y.T. 71964 NOV 2004 6042N 13504W OB 3 | | | | | | | | |
| 030 | 23597 | 2 | -54.6 | 30.5 | 3 | 86 | 291 | 12 | 030 | 23399 | 0 | -55.6 | 24.6 | 0 | 91 | 272 | 19 | 030 | 23553 | 3 | -54.3 | 30.9 | 3 | 87 | 275 | 12 |
| 050 | 20337 | 1 | -55.4 | 30.0 | 2 | 92 | 282 | 13 | 050 | 20140 | 0 | -54.8 | 24.6 | 0 | 91 | 268 | 16 | 050 | 20276 | 2 | -54.5 | 29.9 | 2 | 91 | 267 | 14 |
| 100 | 15902 | 1 | -53.9 | 29.3 | 1 | 94 | 280 | 19 | 100 | 15689 | 0 | -52.8 | 24.4 | 0 | 91 | 263 | 14 | 100 | 15827 | 1 | -53.5 | 27.6 | 1 | 95 | 263 | 16 |
| 150 | 13307 | 0 | -54.2 | 25.6 | 0 | 93 | 280 | 23 | 150 | 13070 | 0 | -52.1 | 22.9 | 0 | 91 | 269 | 14 | 150 | 13226 | 1 | -53.7 | 23.5 | 1 | 93 | 264 | 20 |
| 200 | 11466 | 0 | -55.9 | 19.1 | 0 | 90 | 281 | 27 | 200 | 11209 | 0 | -52.6 | 18.6 | 0 | 93 | 273 | 15 | 200 | 11382 | 1 | -55.3 | 18.2 | 1 | 92 | 262 | 24 |
| 300 | 8870 | 0 | -50.5 | 9.2 | 0 | 89 | 279 | 33 | 300 | 8616 | 0 | -55.2 | 8.5 | 0 | 77 | 280 | 18 | 300 | 8786 | 1 | -52.4 | 8.6 | 1 | 78 | 262 | 22 |
| 500 | 5385 | 0 | -28.5 | 8.9 | 0 | 89 | 283 | 20 | 500 | 5207 | 0 | -33.6 | 10.4 | 0 | 79 | 281 | 13 | 500 | 5333 | 1 | -30.3 | 6.7 | 0 | 82 | 260 | 13 |
| 700 | 2894 | 0 | -12.7 | 8.9 | 0 | 91 | 289 | 13 | 700 | 2771 | 0 | -18.9 | 8.9 | 0 | 71 | 281 | 7 | 700 | 2855 | 1 | -13.6 | 5.3 | 0 | 84 | 245 | 12 |
| 850 | 1384 | 0 | -2.5 | 10.7 | 0 | 77 | 285 | 9 | 850 | 1308 | 0 | -14.5 | 7.1 | 0 | 29 | 250 | 2 | 850 | 1353 | 1 | -4.9 | 5.5 | 0 | 73 | 189 | 6 |
| 964 | * 378 | | -10.2 | 2.2 | | | | | 1003 | * 103 | | -21.1 | 3.6 | | | | | 923 | * 704 | | -5.9 | 2.9 | | | | |
| N AMERICA - JAMAICA KINGSTON/NORMAN MANLEY 78397 NOV 2004 1756N 07647W OB 3 | | | | | | | | | N AMERICA - COSTA RICA JUAN SANTAMARIA 78762 NOV 2004 1000N 08413W OB 2 | | | | | | | | | N AMERICA - ST. MAARTEN, ST. EUST., SABA JULIANA AIRPORT, ST. MAARTEN 78866 NOV 2004 1803N 06307W OB 2 | | | | | | | | |
| 030 | | | | | | | | | 030 | 23776 | 5 | -57.1 | | 5 | 72 | 85 | 5 | 030 | 23871 | 5 | -54.7 | | 5 | 79 | 88 | 7 |
| 050 | 20630 | 17 | -64.8 | 9.1 | | | | | 050 | 20618 | 4 | -67.0 | | 4 | 68 | 296 | | 050 | 20663 | 3 | -64.7 | | 3 | 28 | 72 | 2 |
| 100 | 16586 | 16 | -76.7 | 7.4 | | | | | 100 | 16612 | 4 | -79.1 | | 4 | 23 | 266 | | 100 | 16586 | 3 | -76.8 | | 3 | 90 | 278 | 12 |
| 150 | 14206 | 12 | -66.9 | 9.4 | | | | | 150 | 14254 | 4 | -67.8 | | 4 | 26 | 262 | | 150 | 14209 | 3 | -66.3 | | 3 | 87 | 272 | 17 |
| 200 | 12414 | 13 | -53.4 | 11.9 | | | | | 200 | 12467 | 4 | -53.8 | | 4 | 33 | 142 | | 200 | 12416 | 3 | -53.6 | | 3 | 79 | 268 | 13 |
| 300 | 9678 | 12 | -32.1 | 20.2 | | | | | 300 | 9728 | 4 | -30.7 | 15.4 | 4 | 38 | 109 | | 300 | 9684 | 2 | -31.9 | | 2 | 70 | 263 | 9 |
| 500 | 5877 | 8 | -5.3 | 27.0 | | | | | 500 | 5898 | 4 | -5.0 | 13.8 | 4 | 64 | 76 | 4 | 500 | 5882 | 1 | -5.7 | 22.0 | 1 | 43 | 271 | 3 |
| 700 | 3162 | 9 | 9.9 | 18.8 | | | | | 700 | 3176 | 4 | 10.5 | 8.3 | 4 | 82 | 73 | 6 | 700 | 3187 | 0 | 9.0 | 8.7 | 0 | 43 | 327 | 1 |
| 850 | 1530 | 8 | 16.9 | 5.7 | | | | | 850 | 1535 | 4 | 18.0 | 7.7 | 5 | 90 | 74 | 7 | 850 | 1541 | 0 | 16.4 | 12.7 | 0 | 76 | 73 | 4 |
| 1013 | * 14 | | 26.0 | 7.4 | | | | | 913 | * 939 | | 19.4 | 5.7 | | | | | 1014 | * 9 | | 25.3 | 22.4 | | | | |
| N AMERICA - TRINIDAD AND TOBAGO PIARCO INT. AIRPORT, TRINIDAD 78970 NOV 2004 1037N 06121W OB 2 | | | | | | | | | S AMERICA - PERU LIMA-CALLAO/AEROP. INTERNACI 84628 NOV 2004 1200S 07707W OB 2 | | | | | | | | | S AMERICA - CHILE ANTOFAGASTA 85442 NOV 2004 2326S 07027W OB 2 | | | | | | | | |
| 030 | 23826 | 2 | -56.3 | | 3 | 90 | 95 | 6 | 030 | 23838 | 19 | -55.4 | | 9 | 90 | 82 | 6 | 030 | 23759 | 5 | -57.6 | | | | | |
| 050 | 20649 | 2 | -65.5 | | 3 | 35 | 290 | 2 | 050 | 20652 | 16 | -65.4 | | 9 | 47 | 184 | 3 | 050 | 20593 | 5 | -65.1 | | | | | |
| 100 | 16622 | 2 | -79.5 | | 3 | 92 | 290 | 11 | 100 | 16602 | 15 | -78.4 | | 9 | 63 | 288 | 5 | 100 | 16514 | 3 | -74.1 | | | | | |
| 150 | 14260 | 1 | -66.5 | | 2 | 80 | 270 | 11 | 150 | 14235 | 14 | -67.1 | | 9 | 92 | 301 | 13 | 150 | 14103 | 2 | -65.5 | 24.6 | | | | |
| 200 | 12462 | 4 | -52.1 | | 6 | 71 | 270 | 8 | 200 | 12444 | 14 | -51.6 | | 9 | 84 | 319 | 13 | 200 | 12311 | 2 | -54.5 | 24.1 | 4 | 93 | 291 | 33 |
| 300 | 9709 | 0 | -30.3 | 14.1 | 2 | 41 | 260 | 3 | 300 | 9700 | 14 | -30.5 | 24.9 | 9 | 68 | 280 | 6 | 300 | 9600 | 1 | -35.1 | 29.1 | 3 | 91 | 277 | 23 |
| 500 | 5882 | 0 | -5.3 | 11.8 | 1 | 48 | 65 | 3 | 500 | 5869 | 14 | -4.4 | 19.8 | 9 | 33 | 122 | 2 | 500 | 5830 | 0 | -7.8 | 32.1 | 3 | 88 | 275 | 9 |
| 700 | 3165 | 0 | 9.5 | 6.9 | 0 | 79 | 105 | 5 | 700 | 3141 | 14 | 10.8 | 18.4 | 9 | 59 | 346 | 2 | 700 | 3136 | 0 | 9.5 | | 1 | 69 | 347 | 3 |
| 850 | 1524 | 0 | 18.0 | 3.1 | 0 | 84 | 110 | 6 | 850 | 1500 | 14 | 16.8 | 9.9 | 9 | 49 | 336 | 2 | 850 | 1500 | 0 | 18.1 | 34.2 | 1 | 66 | 42 | 3 |
| 1011 | * 15 | | 26.7 | 2.4 | | | | | 1012 | * 13 | | 17.9 | 2.9 | | | | | 1002 | * 140 | | 16.1 | 3.8 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S AMERICA - CHILE ISLA DE PASCUA 85469 NOV 2004 2710S 10926W OB 1 | | | | | | | | S AMERICA - CHILE PUERTO MONTT 85799 NOV 2004 4126S 07306W OB 2 | | | | | | | | S AMERICA - CHILE PUNTA ARENAS 85934 NOV 2004 5300S 07051W OB 2 | | | | | | | | | | |
| 030 | 23778 | 5 | -56.5 | 31.1 | | | | | 030 | 23771 | 2 | -56.0 | 31.9 | 4 | 30 | 330 | 3 | 030 | 23698 | 5 | -50.0 | | | | | |
| 050 | 20587 | 2 | -63.6 | 27.9 | 4 | 23 | 334 | 1 | 050 | 20549 | 5 | -58.7 | 30.7 | 4 | 71 | 286 | 6 | 050 | 20400 | 3 | -53.3 | 32.9 | 4 | 86 | 283 | 15 |
| 100 | 16411 | 0 | -69.9 | | 2 | 96 | 274 | 20 | 100 | 16219 | 0 | -59.5 | 30.3 | 1 | 95 | 277 | 17 | 100 | 15970 | 0 | -55.8 | 31.8 | 0 | 93 | 276 | 19 |
| 150 | 13977 | 0 | -65.9 | 15.7 | 3 | 96 | 269 | 31 | 150 | 13656 | 0 | -57.1 | 29.7 | 2 | 92 | 278 | 19 | 150 | 13380 | 0 | -54.6 | 32.0 | 0 | 91 | 277 | 21 |
| 200 | 12211 | 0 | -59.1 | 10.4 | 3 | 94 | 272 | 31 | 200 | 11835 | 0 | -57.0 | 21.5 | 2 | 78 | 267 | 21 | 200 | 11547 | 0 | -57.0 | 25.3 | 0 | 86 | 280 | 21 |
| 300 | 9542 | 9 | -37.0 | 9.7 | 5 | 95 | 277 | 26 | 300 | 9216 | 0 | -45.4 | 16.3 | 1 | 16 | 265 | 16 | 300 | 8967 | 0 | -50.4 | 12.6 | 0 | 76 | 282 | 21 |
| 500 | 5801 | 6 | -12.0 | 11.0 | 4 | 94 | 278 | 16 | 500 | 5614 | 0 | -20.2 | 11.5 | 0 | 67 | 279 | 10 | 500 | 5442 | 0 | -24.2 | 15.6 | 0 | 76 | 284 | 16 |
| 700 | 3129 | 0 | 4.6 | 13.5 | 5 | 85 | 287 | 8 | 700 | 3036 | 0 | -3.3 | 13.2 | 0 | 65 | 281 | 6 | 700 | 2908 | 0 | -8.1 | 12.4 | 1 | 78 | 275 | 13 |
| 850 | 1522 | 0 | 11.4 | 4.8 | 5 | 50 | 293 | 3 | 850 | 1486 | 0 | 4.0 | 9.4 | 0 | 54 | 294 | 3 | 850 | 1375 | 0 | .1 | 7.7 | 1 | 81 | 268 | 11 |
| 1011 | * 69 | | 21.6 | 5.0 | | | | | 1008 | * 90 | | 8.6 | .5 | | | | | 1002 | * 43 | | 7.4 | 3.0 | | | | |
| S AMERICA - ARGENTINA RESISTENCIA AERO. 87155 NOV 2004 2727S 05903W OB 2 | | | | | | | | S AMERICA - ARGENTINA CORDOBA AERO 87344 NOV 2004 3119S 06413W OB / | | | | | | | | S AMERICA - ARGENTINA SANTA ROSA AERO 87623 NOV 2004 3634S 06416W OB / | | | | | | | | | | |
| 030 | | | | | | | | | 030 | 23807 | 3 | -56.8 | 29.3 | 3 | 16 | 82 | 1 | 030 | 23805 | 1 | -56.7 | | 1 | 22 | 69 | 2 |
| 050 | | | | | | | | | 050 | 20617 | 1 | -62.5 | 27.3 | 1 | 50 | 347 | 3 | 050 | 20589 | 1 | -61.1 | | 1 | 64 | 281 | 4 |
| 100 | | | | | | | | | 100 | 16422 | 1 | -67.9 | 23.1 | 1 | 96 | 274 | 23 | 100 | 16327 | 1 | -62.8 | | 1 | 96 | 275 | 20 |
| 150 | 14151 | 6 | -64.5 | | | | | | 150 | 13952 | 1 | -61.6 | 22.1 | 1 | 94 | 290 | 32 | 150 | 13806 | 1 | -58.5 | | 1 | 95 | 276 | 29 |
| 200 | 12271 | 2 | -54.0 | | | | | | 200 | 12149 | 1 | -56.3 | 17.5 | 1 | 91 | 282 | 36 | 200 | 11968 | | | | 1 | 84 | 280 | 28 |
| 300 | 9566 | 2 | -36.0 | 16.0 | | | | | 300 | 9483 | 1 | -39.1 | 16.0 | 1 | 81 | 289 | 23 | 300 | 9358 | 1 | -42.3 | 11.7 | 1 | 82 | 276 | 25 |
| 500 | 5816 | 2 | -9.0 | 15.9 | | | | | 500 | 5776 | 0 | -11.9 | 16.2 | 0 | 87 | 270 | 16 | 500 | 5708 | 1 | -16.1 | 16.1 | 1 | 82 | 268 | 15 |
| 700 | 3127 | 2 | 7.2 | 11.3 | 7 | 42 | 263 | 4 | 700 | 3112 | 0 | 5.5 | 13.0 | 0 | 34 | 277 | 3 | 700 | 3087 | 0 | .7 | 9.3 | 0 | 35 | 254 | 3 |
| 850 | 1503 | 2 | 15.5 | 11.8 | 7 | 6 | 151 | 1 | 850 | 1497 | 0 | 13.2 | 8.5 | 0 | 25 | 14 | 2 | 850 | 1498 | 0 | 11.0 | 10.2 | 0 | 11 | 240 | 1 |
| 1007 | * 52 | | 21.7 | 4.5 | | | | | 959 | * 474 | | 18.2 | 6.2 | | | | | 992 | * 191 | | 15.5 | 4.0 | | | | |
| S AMERICA - ARGENTINA COMODORO RIVADAVIA AERO 87860 NOV 2004 4547S 06730W OB 2 | | | | | | | | ANTARCTICA - UNITED KINGDOM (ANTARCTIC) HALLEY 89022 NOV 2004 7530S 02639W OB 2 | | | | | | | | ANTARCTICA - GERMANY (ANTARCTIC) NEUMAYER 89002 NOV 2004 7040S 00815W OB 2 | | | | | | | | | | |
| 030 | 23786 | 5 | -54.0 | | 5 | 13 | 333 | 1 | 030 | 22932 | 5 | -38.3 | 36.0 | 5 | 80 | 217 | 15 | 030 | 22884 | 0 | -38.0 | 35.1 | 0 | 78 | 241 | 15 |
| 050 | 20534 | 2 | -56.9 | | 3 | 71 | 278 | 6 | 050 | 19481 | 1 | -49.5 | 29.6 | 1 | 81 | 218 | 14 | 050 | 19443 | 0 | -49.7 | 30.4 | 0 | 83 | 236 | 15 |
| 100 | 16163 | 2 | -57.2 | | 2 | 97 | 275 | 16 | 100 | 15128 | 1 | -64.9 | 19.5 | 1 | 90 | 222 | 12 | 100 | 15097 | 0 | -65.4 | 21.7 | 1 | 88 | 226 | 12 |
| 150 | 13584 | 2 | -56.3 | | 2 | 95 | 279 | 20 | 150 | 12665 | 1 | -65.3 | 16.0 | 1 | 84 | 223 | 10 | 150 | 12638 | 0 | -65.6 | 19.7 | 0 | 89 | 223 | 10 |
| 200 | 11780 | 2 | -58.6 | | 2 | 91 | 275 | 20 | 200 | 10910 | 1 | -64.6 | 11.6 | 1 | 79 | 227 | 10 | 200 | 10886 | 0 | -65.1 | 15.2 | 0 | 87 | 223 | 10 |
| 300 | 9156 | 2 | -47.3 | 12.2 | 2 | 81 | 272 | 18 | 300 | 8420 | 1 | -59.3 | 7.7 | 1 | 63 | 228 | 11 | 300 | 8397 | 0 | -59.1 | 9.9 | 0 | 64 | 220 | 8 |
| 500 | 5586 | 2 | -21.3 | 12.5 | 2 | 77 | 274 | 12 | 500 | 5045 | 1 | -34.9 | 10.7 | 1 | 57 | 213 | 7 | 500 | 5029 | 0 | -35.8 | 10.2 | 0 | 23 | 190 | 2 |
| 700 | 3017 | 2 | -3.9 | 12.4 | 3 | 80 | 276 | 8 | 700 | 2622 | 1 | -20.2 | 11.8 | 1 | 36 | 209 | 3 | 700 | 2617 | 0 | -20.8 | 8.6 | 0 | 22 | 105 | 2 |
| 850 | 1456 | 2 | 6.0 | 11.2 | 2 | 68 | 263 | 7 | 850 | 1165 | 1 | -14.1 | 7.8 | 1 | 22 | 61 | 2 | 850 | 1159 | 0 | -13.3 | 7.0 | 0 | 53 | 71 | 4 |
| 1007 | * 46 | | 14.4 | 11.4 | | | | | 987 | * 30 | | -13.1 | 3.6 | | | | | 984 | * 50 | | -10.1 | 3.0 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANTARCTICA - JAPAN (ANTARCTIC) SYOWA 89532 NOV 2004 6900S 03935E OB 1 | | | | | | | | | ANTARCTICA - AUSTRALIA (ANTARCTIC) MAWSON 89564 NOV 2004 6736S 06252E OB 3 | | | | | | | | | ANTARCTICA - AUSTRALIA (ANTARCTIC) DAVIS 89571 NOV 2004 6835N 07758W OB 3 | | | | | | | | |
| 030 | 22881 | 1 | -36.4 | | 1 | 67 | 308 | 18 | 030 | 23171 | 2 | -36.4 | 34.8 | 2 | 78 | 310 | 26 | 030 | 23299 | 4 | -38.1 | 37.4 | 5 | 85 | 304 | 28 |
| 050 | 19434 | 0 | -47.8 | | 0 | 76 | 302 | 16 | 050 | 19682 | 2 | -44.2 | 31.2 | 2 | 79 | 308 | 26 | 050 | 19826 | 4 | -44.0 | 35.1 | 6 | 85 | 305 | 29 |
| 100 | 15057 | 0 | -64.1 | | 0 | 71 | 300 | 10 | 100 | 15208 | 2 | -59.5 | 25.5 | 3 | 75 | 306 | 18 | 100 | 15313 | 4 | -57.4 | 30.4 | | | | |
| 150 | 12586 | 0 | -64.9 | | 0 | 61 | 303 | 7 | 150 | 12690 | 2 | -61.7 | 20.8 | 3 | 69 | 309 | 12 | 150 | 12770 | 3 | -59.9 | 27.8 | | | | |
| 200 | 10831 | 0 | -64.5 | | 0 | 47 | 306 | 5 | 200 | 10908 | 2 | -61.3 | 16.7 | 3 | 52 | 312 | 7 | 200 | 10976 | 3 | -60.5 | 21.4 | | | | |
| 300 | 8344 | 0 | -59.4 | | 0 | 27 | 311 | 3 | 300 | 8384 | 2 | -57.4 | 11.1 | 3 | 21 | 353 | 3 | 300 | 8448 | 3 | -56.4 | 12.4 | 8 | 40 | 334 | 8 |
| 500 | 4988 | 0 | -37.0 | 9.7 | 0 | 29 | 52 | 3 | 500 | 5002 | 2 | -35.5 | 8.8 | 3 | 23 | 85 | 3 | 500 | 5044 | 3 | -34.1 | 9.4 | 6 | 52 | 21 | 6 |
| 700 | 2588 | 0 | -22.3 | 7.2 | 0 | 52 | 77 | 4 | 700 | 2588 | 2 | -21.6 | 6.1 | 2 | 57 | 114 | 6 | 700 | 2615 | 3 | -19.5 | 7.8 | 5 | 79 | 41 | 8 |
| 850 | 1135 | 0 | -13.2 | 7.5 | 0 | 69 | 46 | 6 | 850 | 1134 | 2 | -12.3 | 7.0 | 3 | 87 | 93 | 11 | 850 | 1155 | 3 | -12.5 | 5.7 | 6 | 94 | 42 | 12 |
| 982 | * 21 | | -10.1 | 4.8 | | | | | 982 | * 16 | | -6.6 | 7.1 | | | | | 984 | * 13 | | -4.7 | 6.9 | | | | |
| ANTARCTICA - AUSTRALIA (ANTARCTIC) CASEY 89611 NOV 2004 6617S 11031E OB 3 | | | | | | | | | SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) PENANG/BAYAN LEPAS 48601 NOV 2004 0518N 10016E OB 3 | | | | | | | | | SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) KOTA BHARU 48615 NOV 2004 0610N 10217E OB 3 | | | | | | | | |
| 030 | 23650 | 0 | -41.0 | 35.0 | 0 | 85 | 297 | 22 | 030 | 23746 | 16 | -59.9 | 29.4 | 9 | 9 | 182 | 1 | 030 | 23739 | 1 | -58.8 | 30.9 | 1 | 29 | 92 | 2 |
| 050 | 20197 | 0 | -43.4 | 34.0 | 1 | 85 | 293 | 24 | 050 | 20597 | 11 | -66.5 | 22.9 | 9 | 42 | 292 | 3 | 050 | 20596 | 1 | -67.0 | 24.1 | 1 | 45 | 287 | 3 |
| 100 | 15582 | 0 | -49.2 | 31.4 | 1 | 83 | 291 | 23 | 100 | 16578 | 4 | -82.2 | 13.3 | 7 | 70 | 93 | 8 | 100 | 16584 | 0 | -82.5 | 15.2 | 0 | 73 | 103 | 8 |
| 150 | 12952 | 0 | -52.8 | 28.3 | 1 | 79 | 289 | 17 | 150 | 14240 | 3 | -68.1 | 12.0 | 5 | 88 | 109 | 10 | 150 | 14246 | 0 | -68.0 | 13.2 | 0 | 86 | 111 | 10 |
| 200 | 11100 | 0 | -53.7 | 24.3 | 3 | 75 | 279 | 13 | 200 | 12451 | 3 | -53.0 | 11.6 | 5 | 81 | 111 | 7 | 200 | 12457 | 0 | -53.0 | 13.4 | 0 | 79 | 120 | 6 |
| 300 | 8508 | 0 | -53.3 | 13.1 | 2 | 34 | 290 | 6 | 300 | 9700 | 1 | -29.9 | 13.6 | 3 | 79 | 87 | 5 | 300 | 9707 | 0 | -29.9 | 17.9 | 0 | 75 | 94 | 5 |
| 500 | 5072 | 0 | -32.3 | 10.8 | 0 | 17 | 253 | 2 | 500 | 5865 | 1 | -5.0 | 12.2 | 4 | 84 | 85 | 6 | 500 | 5871 | 0 | -4.7 | 16.8 | 0 | 91 | 78 | 7 |
| 700 | 2625 | 0 | -18.4 | 12.6 | 0 | 25 | 119 | 3 | 700 | 3144 | 0 | 9.5 | 7.0 | 3 | 68 | 75 | 3 | 700 | 3148 | 0 | 9.8 | 8.3 | 0 | 70 | 81 | 4 |
| 850 | 1158 | 0 | -12.3 | 9.4 | 0 | 47 | 92 | 4 | 850 | 1504 | 0 | 18.3 | 5.6 | 1 | 78 | 70 | 4 | 850 | 1510 | 0 | 17.6 | 5.1 | 0 | 95 | 70 | 6 |
| 982 | * 42 | | -7.0 | 5.7 | | | | | 1009 | * 4 | | 26.4 | 3.0 | | | | | 1010 | * 5 | | 26.0 | 1.9 | | | | |
| SW PACIFIC - SINGAPORE SINGAPORE/CHANGI AIRPORT 48698 NOV 2004 0122N 10359E OB 3 | | | | | | | | | SW PACIFIC - USA (PACIFIC OCEAN NORTH) HILO/GEN. LYMAN, HAWAII, 91285 NOV 2004 1943N 15504W OB 2 | | | | | | | | | SW PACIFIC - NEW CALEDONIA NOUMEA (NILE-CALEDONIE) 91592 NOV 2004 2216S 16627E OB / | | | | | | | | |
| 030 | 23707 | 0 | -60.6 | 30.1 | 0 | 56 | 263 | 5 | 030 | 23767 | 0 | -57.1 | 11.5 | 0 | 61 | 79 | 3 | 030 | 23792 | 3 | -55.9 | | 4 | 94 | 70 | 8 |
| 050 | 20572 | 0 | -66.9 | 26.2 | 0 | 65 | 276 | 6 | 050 | 20603 | 0 | -65.9 | 9.3 | 0 | 50 | 84 | 2 | 050 | 20602 | 0 | -64.7 | | 0 | 71 | 97 | 5 |
| 100 | 16559 | 0 | -82.3 | 11.9 | 1 | 50 | 89 | 6 | 100 | 16531 | 1 | -76.0 | 7.5 | 3 | 76 | 285 | 10 | 100 | 16516 | 0 | -75.9 | | 0 | 97 | 271 | 19 |
| 150 | 14223 | 0 | -68.4 | 10.9 | 0 | 85 | 97 | 10 | 150 | 14145 | 1 | -66.1 | 9.2 | 1 | 89 | 273 | 21 | 150 | 14131 | 0 | -65.7 | | 0 | 97 | 274 | 35 |
| 200 | 12436 | 0 | -53.2 | 11.5 | 0 | 75 | 102 | 7 | 200 | 12351 | 1 | -54.2 | 11.3 | 1 | 88 | 269 | 21 | 200 | 12333 | 0 | -52.8 | | 0 | 96 | 277 | 38 |
| 300 | 9688 | 0 | -30.1 | 10.9 | 0 | 77 | 85 | 5 | 300 | 9635 | 1 | -34.0 | 14.0 | 1 | 79 | 271 | 13 | 300 | 9603 | 0 | -34.0 | 16.0 | 0 | 91 | 274 | 27 |
| 500 | 5855 | 0 | -5.1 | 6.3 | 0 | 61 | 76 | 4 | 500 | 5855 | 1 | -7.7 | 18.8 | 1 | 61 | 256 | 4 | 500 | 5833 | 0 | -8.1 | 27.7 | 0 | 73 | 270 | 8 |
| 700 | 3137 | 0 | 9.4 | 5.1 | 0 | 6 | 16 | 0 | 700 | 3156 | 4 | 8.1 | 18.0 | 1 | 27 | 60 | 2 | 700 | 3137 | 0 | 8.1 | 30.4 | 0 | 33 | 200 | 2 |
| 850 | 1498 | 0 | 18.2 | 5.1 | 0 | 32 | 349 | 1 | 850 | 1534 | 1 | 14.2 | 2.9 | 1 | 48 | 112 | 2 | 850 | 1521 | 0 | 12.3 | 6.7 | 0 | 46 | 100 | 3 |
| 1008 | * 16 | | 26.6 | 2.3 | | | | | 1015 | * 11 | | 21.2 | 2.9 | | | | | 1009 | * 72 | | 25.7 | 8.7 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SW PACIFIC - KIRIBATI (NEW ZEALAND) TARAWA 91610 NOV 2004 0121N 17255E OB 3 | | | | | | | | | SW PACIFIC - TUVALU (NEW ZEALAND) FUNAFUTI 91643 NOV 2004 0831S 17913E OB 3 | | | | | | | | | SW PACIFIC - FIJI NANDI 91680 NOV 2004 1745S 17727E OB 3 | | | | | | | | |
| 030 | 23753 | 10 | -59.6 | | | | | | 030 | 23751 | 1 | -58.0 | | | | | | 030 | 23850 | 12 | -54.3 | | | | | |
| 050 | 20614 | 5 | -66.5 | | 9 | 75 | 273 | 7 | 050 | 20598 | 0 | -67.1 | | | | | | 050 | 20647 | 6 | -64.3 | | | | | |
| 100 | 16585 | 3 | -81.8 | | | | | | 100 | 16590 | 0 | -82.8 | | | | | | 100 | 16598 | 5 | -78.8 | 15.5 | 2 | 97 | 274 | 18 |
| 150 | 14242 | 3 | -67.5 | | 8 | 20 | 183 | 2 | 150 | 14253 | 0 | -67.9 | 13.4 | | | | 150 | 14225 | 4 | -66.3 | 16.3 | 1 | 97 | 273 | 27 | |
| 200 | 12447 | 3 | -52.8 | | 4 | 8 | 56 | 1 | 200 | 12461 | 0 | -52.5 | 15.0 | | | | 200 | 12426 | 4 | -52.4 | 14.0 | 1 | 94 | 277 | 26 | |
| 300 | 9698 | 3 | -30.1 | 14.6 | 3 | 56 | 61 | 5 | 300 | 9705 | 0 | -29.6 | 15.4 | | | | 300 | 9680 | 4 | -30.8 | 19.4 | 1 | 94 | 275 | 21 | |
| 500 | 5854 | 2 | -5.1 | 12.0 | 3 | 53 | 87 | 4 | 500 | 5867 | 0 | -5.0 | 13.0 | | | | 500 | 5856 | 4 | -5.0 | 27.8 | 1 | 89 | 270 | 9 | |
| 700 | 3142 | 2 | 10.3 | 12.5 | 4 | 63 | 97 | 4 | 700 | 3145 | 0 | 10.0 | 9.0 | | | | 700 | 3137 | 4 | 10.3 | 24.1 | 3 | 67 | 294 | 5 | |
| 850 | 1500 | 2 | 18.5 | 7.9 | 4 | 48 | 111 | 2 | 850 | 1503 | 0 | 18.4 | 7.1 | | | | 850 | 1503 | 4 | 15.8 | 5.6 | 0 | 65 | 99 | 2 | |
| 1009 | * 4 | | 30.7 | 5.9 | | | | | 1008 | * 2 | | 30.5 | 5.5 | | | | 1009 | * 25 | | 29.3 | 9.1 | | | | | |
| SW PACIFIC - SAMOA (USA) PAGO PAGO/INT. AIRPORT 91765 NOV 2004 1420S 17043W OB 2 | | | | | | | | | SW PACIFIC - FRENCH POLY. (MARQUESAS) ATUONA 91925 NOV 2004 0948S 13902W OB 3 | | | | | | | | | SW PACIFIC - FRENCH POLY. (SOCIETY IS) TAHITI-FAAA 91938 NOV 2004 1733S 14937W OB 2 | | | | | | | | |
| 030 | 23749 | 0 | -56.2 | 17.8 | 0 | 89 | 101 | 5 | 030 | 23717 | 4 | -57.7 | | 9 | 21 | 80 | 2 | 030 | 23746 | 8 | -56.7 | | 9 | 79 | 83 | 6 |
| 050 | 20583 | 0 | -66.6 | 9.1 | 0 | 32 | 270 | 1 | 050 | 20575 | 1 | -67.3 | | 2 | 40 | 302 | 3 | 050 | 20576 | 3 | -65.3 | | 3 | 36 | 52 | 2 |
| 100 | 16575 | 0 | -81.4 | 5.5 | 0 | 89 | 271 | 9 | 100 | 16554 | 0 | -81.1 | | 0 | 67 | 262 | 6 | 100 | 16541 | 0 | -79.4 | | 0 | 90 | 264 | 14 |
| 150 | 14229 | 0 | -67.9 | 6.6 | 0 | 90 | 264 | 15 | 150 | 14209 | 0 | -67.9 | | 0 | 71 | 251 | 10 | 150 | 14185 | 0 | -67.6 | | 0 | 92 | 250 | 23 |
| 200 | 12440 | 0 | -53.3 | 8.3 | 0 | 89 | 261 | 15 | 200 | 12421 | 0 | -53.3 | | 0 | 65 | 230 | 9 | 200 | 12400 | 0 | -54.0 | | 0 | 90 | 255 | 22 |
| 300 | 9695 | 0 | -30.8 | 10.2 | 0 | 84 | 277 | 10 | 300 | 9684 | 0 | -31.3 | 20.1 | 0 | 41 | 178 | 4 | 300 | 9670 | 0 | -32.1 | 12.4 | 0 | 97 | 273 | 17 |
| 500 | 5869 | 0 | -5.0 | 14.1 | 0 | 80 | 300 | 7 | 500 | 5857 | 0 | -4.5 | 28.4 | 0 | 55 | 89 | 3 | 500 | 5857 | 0 | -5.8 | 16.1 | 0 | 90 | 282 | 10 |
| 700 | 3147 | 0 | 10.0 | 9.6 | 0 | 71 | 299 | 4 | 700 | 3131 | 0 | 11.0 | 24.8 | 0 | 75 | 100 | 5 | 700 | 3143 | 0 | 9.4 | 8.8 | 0 | 82 | 289 | 5 |
| 850 | 1506 | 0 | 18.0 | 3.9 | 1 | 30 | 341 | 1 | 850 | 1493 | 0 | 16.5 | 4.8 | 0 | 70 | 82 | 4 | 850 | 1506 | 0 | 17.3 | 4.6 | 0 | 63 | 323 | 3 |
| 1010 | * 3 | | 27.0 | 2.3 | | | | | 1003 | * 52 | | 30.0 | 8.4 | | | | | 1010 | * 2 | | 29.2 | 5.7 | | | | |
| SW PACIFIC - FRENCH POLY. (TUAMOTU IS) RIKITEA 91948 NOV 2004 2308S 13458W OB | | | | | | | | | SW PACIFIC - FRENCH POLY. (AUSTRAL IS) TUBUAI 91954 NOV 2004 2321S 14929W OB | | | | | | | | | SW PACIFIC - FRENCH POLY. (AUSTRAL IS) RAPA 91958 NOV 2004 2737S 14420W OB 3 | | | | | | | | |
| 030 | 23779 | 4 | -56.3 | | 4 | 88 | 64 | 8 | 030 | | | | | | | | | 030 | 23784 | 4 | -56.3 | | 4 | 77 | 67 | 5 |
| 050 | 20587 | 2 | -64.1 | | 2 | 20 | 109 | 1 | 050 | 20580 | 2 | -64.2 | | 2 | 40 | 98 | 2 | 050 | 20587 | 3 | -62.8 | | 3 | 67 | 123 | 3 |
| 100 | 16462 | 1 | -73.9 | | 1 | 95 | 265 | 19 | 100 | 16472 | 1 | -74.6 | | 1 | 95 | 266 | 20 | 100 | 16402 | 3 | -69.6 | | 4 | 90 | 270 | 18 |
| 150 | 14063 | 0 | -67.0 | | 1 | 94 | 260 | 33 | 150 | 14078 | 1 | -66.0 | | 1 | 95 | 260 | 38 | 150 | 13959 | 2 | -63.3 | | 3 | 96 | 265 | 35 |
| 200 | 12288 | 0 | -56.2 | | 1 | 95 | 257 | 36 | 200 | 12288 | 1 | -54.6 | | 1 | 94 | 263 | 40 | 200 | 12167 | 0 | -56.1 | | 0 | 92 | 268 | 42 |
| 300 | 9587 | 0 | -34.6 | 11.3 | 1 | 95 | 266 | 27 | 300 | 9578 | 1 | -34.8 | 11.0 | 1 | 97 | 271 | 31 | 300 | 9491 | 0 | -37.7 | | 0 | 92 | 272 | 31 |
| 500 | 5813 | 0 | -8.0 | 13.6 | 0 | 94 | 270 | 15 | 500 | 5814 | 1 | -8.3 | 18.8 | 1 | 94 | 275 | 16 | 500 | 5764 | 0 | -10.8 | 17.4 | 0 | 94 | 276 | 17 |
| 700 | 3121 | 0 | 6.8 | 13.5 | 1 | 83 | 285 | 8 | 700 | 3120 | 1 | 7.2 | 13.5 | 1 | 82 | 279 | 9 | 700 | 3100 | 0 | 4.1 | 18.8 | 0 | 82 | 279 | 7 |
| 850 | 1503 | 0 | 14.1 | 4.7 | 0 | 40 | 304 | 2 | 850 | 1500 | 1 | 13.8 | 6.2 | 1 | 27 | 335 | 2 | 850 | 1500 | 0 | 10.6 | 4.8 | 0 | 42 | 340 | 3 |
| 1002 | * 89 | | 23.8 | 3.2 | | | | | 1012 | * 3 | | 24.8 | 5.2 | | | | | 1014 | * 2 | | 21.6 | 4.3 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SW PACIFIC - AUSTRALIA PORT HEDLAND PARDOO 94312 NOV 2004 2022S 11838E OB / | | | | | | | | SW PACIFIC - AUSTRALIA ALICE SPRINGS AERO 94326 NOV 2004 2348S 13353E OB / | | | | | | | | SW PACIFIC - AUSTRALIA MT ISA AERO 94332 NOV 2004 2041S 13929E OB / | | | | | | | | | | |
| 030 | 23755 | 3 | -57.3 | 30.7 | 3 | 96 | 78 | 8 | 030 | 23781 | 1 | -56.8 | 31.1 | 5 | 92 | 83 | 8 | 030 | 23752 | 0 | -57.1 | 31.2 | 0 | 95 | 83 | 8 |
| 050 | 20582 | 1 | -65.5 | 27.3 | 1 | 94 | 92 | 8 | 050 | 20601 | 1 | -64.2 | 28.5 | 5 | 93 | 95 | 9 | 050 | 20581 | 0 | -65.2 | 28.2 | 0 | 84 | 95 | 7 |
| 100 | 16531 | 1 | -78.1 | 14.9 | 1 | 96 | 274 | 16 | 100 | 16497 | 1 | -74.4 | 17.9 | 5 | 95 | 264 | 18 | 100 | 16518 | 0 | -76.7 | 16.2 | 0 | 92 | 266 | 14 |
| 150 | 14160 | 1 | -67.0 | 14.9 | 1 | 98 | 273 | 29 | 150 | 14100 | 1 | -66.0 | 17.5 | 5 | 97 | 268 | 32 | 150 | 14142 | 0 | -66.6 | 17.4 | 0 | 96 | 265 | 29 |
| 200 | 12372 | 0 | -53.8 | 16.5 | 1 | 97 | 269 | 30 | 200 | 12308 | 1 | -54.6 | 17.4 | 5 | 94 | 268 | 35 | 200 | 12349 | 0 | -53.8 | 19.6 | 0 | 93 | 256 | 30 |
| 300 | 9647 | 0 | -33.1 | 18.5 | 0 | 96 | 271 | 23 | 300 | 9604 | 1 | -35.6 | 16.8 | 5 | 90 | 262 | 24 | 300 | 9633 | 0 | -34.3 | 18.8 | 0 | 86 | 255 | 19 |
| 500 | 5863 | 0 | -8.1 | 20.9 | 0 | 88 | 289 | 10 | 500 | 5853 | 1 | -9.9 | 12.8 | 3 | 75 | 259 | 10 | 500 | 5862 | 0 | -8.4 | 20.0 | 0 | 74 | 228 | 8 |
| 700 | 3171 | 0 | 8.9 | 11.5 | 0 | 65 | 318 | 5 | 700 | 3172 | 1 | 8.5 | 20.9 | 3 | 61 | 233 | 5 | 700 | 3171 | 0 | 8.1 | 18.4 | 0 | 32 | 228 | 3 |
| 850 | 1525 | 0 | 22.1 | 19.3 | 0 | 15 | 259 | 1 | 850 | 1537 | 1 | 18.0 | 18.6 | 2 | 29 | 49 | 3 | 850 | 1536 | 0 | 19.5 | 16.8 | 0 | 29 | 62 | 2 |
| 1010 | * 9 | | 29.5 | 17.9 | | | | | 953 | * 546 | | 27.2 | 25.1 | | | | | 975 | * 340 | | 29.8 | 20.9 | | | | |
| SW PACIFIC - AUSTRALIA GERALDTON AIRPORT 94403 NOV 2004 2848S 11442E OB / | | | | | | | | SW PACIFIC - AUSTRALIA MEEKATHARRA AIRPORT 94430 NOV 2004 2637S 11833E OB 2 | | | | | | | | SW PACIFIC - AUSTRALIA GILES 94461 NOV 2004 2502S 12817E OB / | | | | | | | | | | |
| 030 | 23787 | 1 | -56.4 | 31.9 | 1 | 99 | 87 | 10 | 030 | 23785 | 2 | -56.8 | 29.5 | 5 | 94 | 85 | 9 | 030 | 23774 | 1 | -57.4 | 31.0 | 1 | 97 | 83 | 9 |
| 050 | 20596 | 1 | -62.8 | 30.0 | 1 | 82 | 101 | 5 | 050 | 20598 | 2 | -63.7 | 26.0 | 4 | 90 | 99 | 7 | 050 | 20592 | 1 | -64.2 | 27.6 | 1 | 93 | 95 | 8 |
| 100 | 16407 | 0 | -68.6 | 27.2 | 0 | 94 | 272 | 18 | 100 | 16450 | 2 | -70.8 | 19.4 | 4 | 94 | 271 | 19 | 100 | 16470 | 1 | -74.0 | 17.9 | 1 | 95 | 271 | 20 |
| 150 | 13948 | 0 | -62.4 | 26.0 | 0 | 98 | 270 | 32 | 150 | 14016 | 1 | -64.2 | 18.7 | 4 | 97 | 273 | 36 | 150 | 14067 | 1 | -65.6 | 18.0 | 1 | 97 | 267 | 36 |
| 200 | 12143 | 0 | -54.5 | 24.2 | 0 | 96 | 270 | 37 | 200 | 12215 | 1 | -54.2 | 18.4 | 2 | 96 | 271 | 40 | 200 | 12274 | 0 | -55.2 | 16.6 | 0 | 96 | 264 | 39 |
| 300 | 9461 | 0 | -38.6 | 22.0 | 0 | 87 | 272 | 27 | 300 | 9523 | 1 | -37.1 | 15.7 | 2 | 94 | 278 | 32 | 300 | 9577 | 0 | -36.4 | 13.2 | 0 | 94 | 268 | 28 |
| 500 | 5759 | 0 | -12.3 | 28.0 | 0 | 82 | 279 | 14 | 500 | 5802 | 1 | -11.6 | 17.7 | 2 | 92 | 289 | 19 | 500 | 5839 | 0 | -10.7 | 14.8 | 0 | 87 | 266 | 12 |
| 700 | 3107 | 0 | 4.2 | 22.9 | 0 | 66 | 287 | 8 | 700 | 3135 | 0 | 6.5 | 18.1 | 1 | 83 | 300 | 12 | 700 | 3165 | 0 | 8.3 | 20.4 | 0 | 76 | 281 | 7 |
| 850 | 1505 | 0 | 11.5 | 12.6 | 0 | 19 | 248 | 2 | 850 | 1515 | 0 | 15.7 | 15.4 | 1 | 42 | 345 | 4 | 850 | 1529 | 0 | 19.2 | 21.3 | 1 | 22 | 47 | 2 |
| 1011 | * 33 | | 20.1 | 10.3 | | | | | 955 | * 517 | | 21.3 | 16.1 | | | | | 947 | * 598 | | 26.1 | 23.0 | | | | |
| SW PACIFIC - AUSTRALIA PERTH AIRPORT 94610 NOV 2004 3156S 11558E OB / | | | | | | | | SW PACIFIC - AUSTRALIA EUCLA 94647 NOV 2004 3141S 12853E OB | | | | | | | | SW PACIFIC - AUSTRALIA COBAR 94711 NOV 2004 3129S 14550E OB / | | | | | | | | | | |
| 030 | 23825 | 1 | -55.7 | 30.8 | 1 | 96 | 86 | 10 | 030 | 23839 | 7 | -55.8 | 27.0 | 9 | 95 | 88 | 10 | 030 | 23815 | 5 | -56.3 | 31.3 | 5 | 95 | 84 | 9 |
| 050 | 20614 | 0 | -61.2 | 29.1 | 0 | 77 | 85 | 5 | 050 | 20629 | 2 | -61.4 | 24.8 | 5 | 84 | 82 | 6 | 050 | 20615 | 2 | -61.4 | 28.9 | 2 | 93 | 84 | 7 |
| 100 | 16363 | 0 | -65.3 | 24.7 | 0 | 94 | 274 | 16 | 100 | 16393 | 0 | -66.1 | 20.3 | 3 | 88 | 272 | 14 | 100 | 16384 | 0 | -66.0 | 26.0 | 0 | 76 | 274 | 12 |
| 150 | 13867 | 0 | -59.9 | 24.5 | 0 | 96 | 272 | 28 | 150 | 13908 | 0 | -60.9 | 19.8 | 4 | 95 | 271 | 29 | 150 | 13897 | 0 | -60.2 | 25.3 | 0 | 89 | 273 | 21 |
| 200 | 12051 | 0 | -55.0 | 20.5 | 0 | 91 | 273 | 30 | 200 | 12102 | 0 | -56.8 | 14.6 | 4 | 95 | 269 | 32 | 200 | 12089 | 0 | -56.6 | 18.5 | 0 | 83 | 267 | 23 |
| 300 | 9392 | 0 | -40.8 | 16.9 | 0 | 83 | 278 | 23 | 300 | 9450 | 0 | -40.5 | 13.5 | 4 | 91 | 273 | 25 | 300 | 9442 | 0 | -41.6 | 16.3 | 0 | 72 | 271 | 17 |
| 500 | 5720 | 0 | -14.4 | 22.4 | 0 | 69 | 279 | 12 | 500 | 5770 | 0 | -13.6 | 15.8 | 4 | 89 | 278 | 15 | 500 | 5769 | 0 | -13.6 | 22.4 | 1 | 66 | 266 | 10 |
| 700 | 3089 | 0 | 1.8 | 20.0 | 0 | 56 | 290 | 7 | 700 | 3125 | 0 | 4.0 | 15.6 | 3 | 67 | 284 | 9 | 700 | 3128 | 0 | 3.4 | 24.0 | 0 | 67 | 277 | 7 |
| 850 | 1501 | 0 | 9.3 | 10.8 | 0 | 34 | 297 | 3 | 850 | 1521 | 0 | 12.1 | 14.3 | 3 | 43 | 270 | 4 | 850 | 1527 | 0 | 12.6 | 15.7 | 0 | 43 | 275 | 4 |
| 1014 | * 31 | | 17.9 | 8.4 | | | | | 1005 | * 102 | | 19.2 | 10.3 | | | | | 986 | * 264 | | 23.7 | 19.1 | | | | |

UPPER AIR

NOVEMBER 2004

| 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SW PACIFIC - BRUNEI DARUSSALAM BRUNEI AIRPORT 96315 NOV 2004 0456N 11456E OB 3 | | | | | | | | SW PACIFIC - MALAYSIA(SABAH & SARAWAK) KUCHING 96413 NOV 2004 0129N 11020E OB 3 | | | | | | | | SW PACIFIC - MALAYSIA(SABAH & SARAWAK) BINTULU 96441 NOV 2004 0312N 11302E OB 3 | | | | | | | | | | |
| 030 | | | | | | | | 030 | 23748 | 1 | -59.5 | 30.3 | 1 | 46 | 253 | 5 | 030 | 23736 | 8 | -60.0 | 29.8 | 9 | 28 | 260 | 2 | |
| 050 | 20591 | | -66.4 | 28.2 | 9 | 30 | 247 | 2 | 050 | 20601 | 0 | -66.9 | 25.4 | 0 | 71 | 267 | 7 | 050 | 20599 | 7 | -66.3 | 25.0 | 8 | 60 | 289 | 5 |
| 100 | 16568 | | -81.9 | 13.4 | 9 | 85 | 85 | 8 | 100 | 16586 | 0 | -81.9 | 11.6 | 0 | 60 | 79 | 7 | 100 | 16580 | 3 | -82.1 | 13.4 | 4 | 75 | 95 | 8 |
| 150 | 14229 | | -68.2 | 11.8 | 9 | 73 | 82 | 7 | 150 | 14246 | 0 | -68.1 | 10.5 | 0 | 90 | 92 | 9 | 150 | 14241 | 3 | -67.7 | 12.9 | 4 | 87 | 95 | 9 |
| 200 | 12442 | | -53.3 | 12.3 | 9 | 58 | 95 | 4 | 200 | 12457 | 0 | -53.0 | 9.5 | 0 | 84 | 93 | 7 | 200 | 12451 | 2 | -52.9 | 11.6 | 4 | 83 | 99 | 7 |
| 300 | 9695 | | -30.3 | 12.1 | 9 | 72 | 86 | 4 | 300 | 9707 | 0 | -29.9 | 8.5 | 0 | 84 | 95 | 6 | 300 | 9699 | 2 | -29.9 | 13.0 | 3 | 76 | 105 | 5 |
| 500 | 5863 | | -5.2 | 10.1 | 9 | 78 | 90 | 4 | 500 | 5872 | 0 | -5.3 | 4.2 | 0 | 68 | 91 | 4 | 500 | 5864 | 1 | -5.1 | 6.5 | 2 | 63 | 89 | 4 |
| 700 | 3145 | | 9.6 | 6.5 | 9 | 48 | 85 | 2 | 700 | 3152 | 0 | 9.6 | 3.8 | 0 | 2 | 237 | | 700 | 3145 | 0 | 9.5 | 5.1 | 1 | 6 | 19 | |
| 850 | 1505 | | 18.0 | 4.9 | 9 | 20 | 123 | 1 | 850 | 1511 | 0 | 18.2 | 4.3 | 0 | 51 | 281 | 2 | 850 | 1505 | 0 | 18.2 | 5.0 | 1 | 28 | 275 | 1 |
| 1005 | * 15 | | 24.6 | .4 | | | | | 1008 | * 27 | | 25.0 | 1.4 | | | | | 1008 | * 5 | | 25.5 | 3.0 | | | | |
| SW PACIFIC - MALAYSIA(SABAH & SARAWAK) KOTA KINABALU 96471 NOV 2004 0556N 11603E OB 3 | | | | | | | | SW PACIFIC - MALAYSIA(SABAH & SARAWAK) TAWAU 96481 NOV 2004 0416N 11753E OB 3 | | | | | | | | SW PACIFIC - AUSTRALIA (OCEAN ISLANDS) COCOS ISLAND AERO 96996 NOV 2004 1211S 09649E OB 3 | | | | | | | | | | |
| 030 | 23728 | 3 | -58.5 | 31.1 | 4 | 3 | 137 | 1 | 030 | 23747 | 7 | -59.7 | 29.5 | 8 | 31 | 223 | 3 | 030 | 23696 | 1 | -57.9 | 29.1 | 3 | 80 | 83 | 6 |
| 050 | 20582 | 0 | -66.8 | 25.4 | 0 | 51 | 262 | 4 | 050 | 20598 | 4 | -66.9 | 25.7 | 4 | 43 | 249 | 3 | 050 | 20541 | 1 | -66.8 | 24.5 | 2 | 70 | 252 | 4 |
| 100 | 16572 | 0 | -82.2 | 13.2 | 1 | 87 | 94 | 10 | 100 | 16581 | 0 | -82.4 | 13.7 | 1 | 86 | 94 | 9 | 100 | 16539 | 0 | -81.5 | 11.5 | 1 | 43 | 270 | 3 |
| 150 | 14237 | 0 | -68.2 | 12.0 | 0 | 69 | 93 | 7 | 150 | 14244 | 0 | -68.0 | 12.7 | 1 | 72 | 99 | 6 | 150 | 14203 | 0 | -68.5 | 10.4 | 0 | 52 | 318 | 5 |
| 200 | 12449 | 0 | -53.1 | 12.5 | 0 | 66 | 99 | 5 | 200 | 12454 | 0 | -53.0 | 12.8 | 1 | 65 | 88 | 5 | 200 | 12419 | 0 | -53.6 | 12.7 | 0 | 59 | 291 | 5 |
| 300 | 9701 | 0 | -30.1 | 15.2 | 0 | 69 | 85 | 4 | 300 | 9705 | 0 | -30.1 | 15.6 | 0 | 66 | 92 | 4 | 300 | 9680 | 0 | -31.1 | 16.9 | 0 | 28 | 244 | 2 |
| 500 | 5866 | 0 | -4.8 | 13.4 | 0 | 78 | 82 | 5 | 500 | 5872 | 0 | -4.9 | 12.5 | 0 | 74 | 84 | 4 | 500 | 5856 | 0 | -5.1 | 24.1 | 0 | 28 | 48 | 2 |
| 700 | 3145 | 0 | 9.8 | 7.8 | 0 | 48 | 85 | 2 | 700 | 3150 | 0 | 9.9 | 7.8 | 0 | 29 | 116 | 2 | 700 | 3143 | 0 | 9.5 | 13.7 | 0 | 44 | 72 | 2 |
| 850 | 1504 | 0 | 18.3 | 6.1 | 0 | 16 | 353 | 1 | 850 | 1508 | 0 | 18.4 | 5.2 | 0 | 45 | 356 | 2 | 850 | 1510 | 0 | 15.3 | 3.8 | 0 | 88 | 113 | 5 |
| 1010 | * 3 | | 26.3 | 3.4 | | | | | 1008 | * 20 | | 26.5 | 4.7 | | | | | 1012 | * 3 | | 25.6 | 4.1 | | | | |

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 | | % | ° | mps | hPa | gpm | | ° C | ° C | | % | ° | mps | hPa | gpm | | ° C | ° C | | % | ° | mps |
| ASIA - THAILAND CHIANG MAI 48327 SEP 2004 1847N 09859E OB 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 030 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 050 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | 9732 | 10 | -27.4 | 34.6 | | | | | | | | | | | | | | | | | | | | | | |
| 500 | 5871 | 10 | -3.1 | 7.4 | | | | | | | | | | | | | | | | | | | | | | |
| 700 | 3136 | 10 | 11.0 | 6.6 | | | | | | | | | | | | | | | | | | | | | | |
| 850 | 1490 | 10 | 19.1 | 15.2 | | | | | | | | | | | | | | | | | | | | | | |
| 974 | * 314 | | 23.9 | 22.7 | | | | | | | | | | | | | | | | | | | | | | |
| EUROPE - POLAND LEGIONOWO 12374 OCT 2004 5224N 02058E OB 3 | | | | | | | | | EUROPE - POLAND WROCLAW I 12425 OCT 2004 5108N 01659E OB 3 | | | | | | | | | | | | | | | | | |
| 030 | 23690 | 0 | -59.8 | 28.3 | 0 | 97 | 276 | 14 | 030 | 23726 | 0 | -59.1 | 30.3 | 0 | 97 | 273 | 15 | | | | | | | | | |
| 050 | 20506 | 0 | -60.3 | 28.0 | 0 | 95 | 270 | 12 | 050 | 20535 | 0 | -60.1 | 30.1 | 0 | 96 | 270 | 12 | | | | | | | | | |
| 100 | 16175 | 0 | -59.2 | 27.0 | 0 | 92 | 271 | 13 | 100 | 16201 | 0 | -59.2 | 28.9 | 0 | 92 | 266 | 13 | | | | | | | | | |
| 150 | 13632 | 0 | -58.1 | 23.4 | 0 | 86 | 270 | 16 | 150 | 13660 | 0 | -58.5 | 24.8 | 0 | 86 | 264 | 16 | | | | | | | | | |
| 200 | 11822 | 0 | -58.2 | 14.9 | 0 | 80 | 272 | 19 | 200 | 11852 | 0 | -58.1 | 15.7 | 0 | 81 | 265 | 20 | | | | | | | | | |
| 300 | 9215 | 0 | -45.9 | 10.4 | 0 | 68 | 270 | 17 | 300 | 9242 | 0 | -45.2 | 10.8 | 0 | 74 | 260 | 19 | | | | | | | | | |
| 500 | 5618 | 0 | -19.2 | 13.6 | 0 | 68 | 264 | 12 | 500 | 5632 | 0 | -18.4 | 15.5 | 0 | 75 | 255 | 13 | | | | | | | | | |
| 700 | 3033 | 0 | -3.2 | 9.4 | 0 | 66 | 249 | 8 | 700 | 3037 | 0 | -1.9 | 14.9 | 0 | 70 | 248 | 9 | | | | | | | | | |
| 850 | 1472 | 0 | 4.6 | 6.2 | 0 | 62 | 242 | 6 | 850 | 1472 | 0 | 5.4 | 6.0 | 0 | 64 | 242 | 6 | | | | | | | | | |
| 1004 | * 96 | | 11.2 | 4.1 | | | | | 1001 | * 116 | | 11.5 | 4.9 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

STATION LIST RECENT DATA

| | | | | | | | |
|-------|----|-----------------------------|---------------------|-------|----|---------------------------|--------------------|
| 06030 | C | AALBORG | DENMARK & FAROE IS. | 36870 | C | ALMATY | KAZAKHSTAN |
| 04220 | C | AASIAAT (EGEDESMINDE) | GREENLAND | 08487 | C | ALMERIA/AEROPUERTO | SPAIN |
| 40831 | C | ABADAN | IRAN, ISLAMIC REP | 82965 | T | ALTA FLORESTA (AEROPORTO) | BRAZIL |
| 47409 | C | ABASHIRI | JAPAN | 44277 | C | ALTAI | MONGOLIA |
| 07005 | C | ABBEVILLE | FRANCE | 51076 | C | ALTAY | CHINA |
| 03091 | C | ABERDEEN/DYCEAIRPORT | U KINGDOM | 42071 | C | AMRITSAR | INDIA |
| 03502 | C | ABERPORTH | U KINGDOM | 25563 | C | ANADYR' | RUSSIAN FEDERATION |
| 41112 | C | ABHA | SAUDI ARABIA | 70273 | CT | ANCHORAGE/INT. | USA |
| 72266 | C | ABILENE/MUN.,TX. | USA | 91568 | C | ANEITYUM | VANUATU |
| 41217 | CT | ABU DHABI INTER. AIRPORT | U ARAB EMIRATES | 10291 | C | ANGERMUENDE | GERMANY |
| 76805 | C | ACAPULCO,GRO. | MEXICO | 17130 | CT | ANKARA/CENTRAL | TURKEY |
| 80427 | C | ACARIGUA | VENEZUELA | 60360 | C | ANNABA | ALGERIA |
| 63450 | CT | ADDIS ABABA-BOLE | ETHIOPIA | 70398 | C | ANNETTEISLAND | USA |
| 60620 | C | ADRAR | ALGERIA | 17300 | C | ANTALYA | TURKEY |
| 76644 | C | AEROP.INTERNACIONALMERIDA, | MEXICO | 67083 | CT | ANTANANARIVO/IVATO | MADAGASCAR |
| 87582 | C | AEROPARQUEBS. AS. AERO | ARGENTINA | 85442 | CT | ANTOFAGASTA | CHILE |
| 17190 | C | AFYON | TURKEY | 40718 | C | ANZALI | IRAN, ISLAMIC REP |
| 61024 | C | AGADEZ | NIGER | 47575 | C | AOMORI | JAPAN |
| 61974 | C | AGALEGA | MAURITIUS | 98232 | C | APARRI | PHILIPPINES |
| 42647 | CT | AHMADABAD | INDIA | 80084 | C | APARTADO/LOSCEDROS | COLOMBIA |
| 47602 | C | AIKAWA | JAPAN | 83096 | C | ARACAJU | BRAZIL |
| 60560 | C | AIN SEFRA | ALGERIA | 48462 | C | ARANYAPRATHET | THAILAND |
| 07761 | CT | AJACCIO | FRANCE | 40357 | C | ARAR | SAUDI ARABIA |
| 31168 | C | AJAN | RUSSIAN FEDERATION | 80099 | C | ARAUCA/SANTIAGOPEREZ | COLOMBIA |
| 47582 | CT | AKITA | JAPAN | 83579 | C | ARAXA | BRAZIL |
| 42933 | C | AKOLA | INDIA | 84752 | C | AREQUIPA | PERU |
| 72521 | C | AKRON/AKRON-CANTONREG., OH. | USA | 22550 | CT | ARHANGEL'SK | RUSSIAN FEDERATION |
| 04063 | C | AKUREYRI | ICELAND | 85406 | C | ARICA | CHILE |
| 04082 | C | AKURNES | ICELAND | 10091 | C | ARKONA | GERMANY |
| 40420 | C | AL AHSA | SAUDI ARABIA | 10460 | C | ARTERN | GERMANY |
| 41055 | C | AL BAHA | SAUDI ARABIA | 86330 | C | ARTIGAS | URUGUAY |
| 40373 | C | AL QAYSUMAH | SAUDI ARABIA | 44288 | C | ARVAIHEER | MONGOLIA |
| 40361 | C | AL-JOUF | SAUDI ARABIA | 60452 | C | ARZEW | ALGERIA |
| 08280 | C | ALBACETE/LOSLANOS | SPAIN | 47407 | C | ASAHIKAWA | JAPAN |
| 94802 | CT | ALBANY AIRPORT | AUSTRALIA | 72315 | C | ASHEVILLE/MUN.,NC | USA |
| 72365 | C | ALBUQUERQUE/INT.,NM. | USA | 62414 | C | ASSWAN | EGYPT |
| 31004 | CT | ALDAN | RUSSIAN FEDERATION | 34880 | C | ASTRAHAN' | RUSSIAN FEDERATION |
| 07139 | C | ALENCON | FRANCE | 86218 | C | ASUNCION/AEROPUERTO | PARAGUAY |
| 40007 | C | ALEPPO INT. AIRPORT | SYRIAN ARAB REP | 65376 | C | ATAKPAME | TOGO |
| 71082 | T | ALERT UA, N.W.T. | CANADA | 17607 | T | ATHALASSA | CYPRUS |
| 08359 | C | ALICANTE | SPAIN | 16716 | C | ATHINAI (AIRPORT) | GREECE |
| 94326 | CT | ALICE SPRINGS AERO | AUSTRALIA | 72219 | C | ATLANTA/MUN.,GA. | USA |
| 42475 | C | ALLAHABAD/BAMHRAULI | INDIA | 72407 | C | ATLANTICCITY, NJ. | USA |
| 72517 | C | ALLENTOWN/A.-BETHLEHEM-,PA. | USA | 91925 | CT | ATUONA | FRENCH POLY. |

STATION LIST RECENT DATA

| | | | | | | | |
|-------|----|------------------------------|--------------------|-------|----|-----------------------------|--------------|
| 72218 | C | AUGUSTA/BUSHFIELD, GA. | USA | 89053 | C | BASE JUBANY | ARGENTINA |
| 72254 | C | AUSTIN/ROBERTMUELLER.,TX. | USA | 89055 | C | BASE MARAMBIO (CENTROMET. A | ARGENTINA |
| 08330 | C | BADAJOZ/TALAVERALA REAL | SPAIN | 88968 | C | BASE ORCADAS | ARGENTINA |
| 30554 | C | BAGDARIN | RUSSIAN FEDERATION | 89066 | C | BASE SAN MARTIN | ARGENTINA |
| 83980 | C | BAGE | BRAZIL | 07790 | CT | BASTIA | FRANCE |
| 71727 | C | BAGOTVILLE,QUE. | CANADA | 91557 | C | BAUERFIELD(EFATE) | VANUATU |
| 98328 | C | BAGUIO | PHILIPPINES | 44302 | C | BAYAN-OVOO | MONGOLIA |
| 87750 | C | BAHIA BLANCA AERO | ARGENTINA | 44275 | C | BAYANBULAG | MONGOLIA |
| 41150 | C | BAHRAIN (INT. AIRPORT) | BAHRAIN | 44352 | C | BAYANDELGER | MONGOLIA |
| 44265 | C | BAITAG | MONGOLIA | 44287 | C | BAYANHONGOR | MONGOLIA |
| 71926 | T | BAKER LAKE UA,N.W.T. | CANADA | 60571 | CT | BECHAR | ALGERIA |
| 07299 | C | BALE-MILHOUSE | FRANCE | 72412 | C | BECKLEY(RALEIGHCTY.MUN),WV. | USA |
| 35796 | C | BALHASH | KAZAKHSTAN | 54511 | CT | BEIJING | CHINA |
| 96633 | C | BALIKPAPAN/SEPINGGAN | INDONESIA | 60402 | C | BEJAJA | ALGERIA |
| 85874 | C | BALMACEDA | CHILE | 82191 | C | BELEM | BRAZIL |
| 72406 | C | BALTIMORE/BALTIMORE-WASHINGT | USA | 82193 | T | BELEM (AEROPORTO) | BRAZIL |
| 64660 | C | BAMBARI | CENTRALAFRICAN REP | 03917 | C | BELFAST/ALDERGROVEAIRPORT | U KINGDOM |
| 43295 | C | BANGALORE | INDIA | 43198 | C | BELGAUM/SAMBRA | INDIA |
| 64656 | C | BANGASSOU | CENTRALAFRICAN REP | 78583 | C | BELIZE/PHILLIPGOLDSTONINTL | BELIZE |
| 48455 | CT | BANGKOK | THAILAND | 89050 | C | BELLINGSHAUSEN | USSR |
| 64650 | T | BANGUI | CENTRALAFRICAN REP | 03976 | C | BELMULLET | IRELAND |
| 96685 | C | BANJARMASIN/SYAMSUDDINNOOR | INDONESIA REP | 83587 | C | BELO HORIZONTE | BRAZIL |
| 41685 | C | BAR KHAN | PAKISTAN | 82246 | C | BELTERRA | BRAZIL |
| 82784 | C | BARBALHA | BRAZIL | 40180 | C | BEN-GURIONINT. AIRPORT | ISRAEL |
| 80419 | C | BARCELONA | VENEZUELA | 60602 | C | BENI ABBES | ALGERIA |
| 08181 | C | BARCELONA/AEROPUERTO | SPAIN | 60518 | C | BENI-SAF | ALGERIA |
| 82113 | C | BARCELOS | BRAZIL | 82410 | C | BENJAMIN CONSTANT | BRAZIL |
| 60471 | C | BARIKA | ALGERIA | 13274 | C | BEOGRAD | YUGOSLAVIA |
| 87765 | C | BARILOCHEAERO | ARGENTINA | 01317 | C | BERGEN/FLORIDA | NORWAY |
| 80440 | C | BARINAS | VENEZUELA | 10385 | C | BERLIN-SCHOENEFELD | GERMANY |
| 80410 | C | BARQUISIMETO | VENEZUELA | 10384 | C | BERLIN-TEMPELHOF | GERMANY |
| 82571 | C | BARRA DO CORDA | BRAZIL | 40179 | T | BET DAGAN | ISRAEL |
| 80091 | C | BARRANCABERMEJA/YARIGUIES | COLOMBIA | 70219 | C | BETHEL/BETHEL AIRPORT, AK. | USA |
| 80028 | C | BARRANQUILLA/ERNESTOCORTISSO | COLOMBIA | 68461 | CT | BETHLEHEM | SOUTH AFRICA |
| 83236 | C | BARREIRAS | BRAZIL | 42971 | CT | BHUBANESWAR | INDIA |
| 70026 | CT | BARROW/W.POST W. ROGERS | USA | 12295 | C | BIALYSTOK | POLAND |
| 44305 | C | BARUUN-URT | MONGOLIA | 42165 | C | BIKANER | INDIA |
| 44241 | C | BARUUNKHARAA | MONGOLIA | 72677 | C | BILLINGS/LOGANINT., MT. | USA |
| 44213 | C | BARUUNTURUUN | MONGOLIA | 61017 | C | BILMA | NIGER |
| 86011 | C | BASE 5 "GRAL A.JARA" | PARAGUAY | 72515 | C | BINGHAMTON/BROOME CO., NY. | USA |
| 89057 | C | BASE ARTUROPRAT | CHILE | 96441 | CT | BINTULU | MALAYSIA |
| 89034 | C | BASE BELGRANOII | ARGENTINA | 61075 | C | BIRNI-N' KONNI | NIGER |
| 89059 | C | BASE BERNARDOO'HIGGINS | CHILE | 41084 | C | BISHA | SAUDI ARABIA |
| 88963 | C | BASE ESPERANZA | ARGENTINA | 60525 | C | BISKRA | ALGERIA |

STATION LIST RECENT DATA

| | | | | | | | |
|-------|----|-----------------------|---------------------|-------|----|------------------------------|---------------|
| 72764 | CT | BISMARCK/MUN.,ND. | USA | 15420 | CT | BUCURESTI/IMH | ROMANIA |
| 15085 | C | BISTRITA | ROMANIA | 12843 | CT | BUDAPEST/LORINC | HUNGARY |
| 64510 | C | BITAM | GABON | 87585 | C | BUENOS AIRES OBSERVATORIO | ARGENTINA |
| 01028 | CT | BJORNOYA | NORWAY | 72528 | C | BUFFALO/GREATERBUFFALO,NY. | USA |
| 31510 | T | BLAGOVESCENSK | RUSSIAN FEDERATION | 44239 | C | BULGAN | MONGOLIA |
| 68442 | C | BLOEMFONTEINAIRPORT | SOUTH AFRICA | 08075 | C | BURGOS/VILLAFRIA | SPAIN |
| 82024 | C | BOA VISTA | BRAZIL | 72617 | C | BURLINGTON/INTL,VT. | USA |
| 65510 | C | BOBO-DIOULASSO | BURKINA FASO | 17116 | C | BURSA | TURKEY |
| 01152 | CT | BODO | NORWAY | 91565 | C | BURTONFIELD(TANNA) | VANUATU |
| 80222 | C | BOGOTA/ELDORADO | COLOMBIA | 98330 | C | CABANATUAN | PHILIPPINES |
| 29282 | C | BOGUCANY | RUSSIAN FEDERATION | 08261 | C | CACERES | SPAIN |
| 65338 | C | BOHICON | BENIN | 07027 | C | CAEN | FRANCE |
| 72681 | C | BOISE/MUN.,ID. | USA | 16560 | T | CAGLIARI/ELMAS | ITALY |
| 87640 | C | BOLIVAR AERO | ARGENTINA | 94287 | C | CAIRNS AERO | AUSTRALIA |
| 83288 | CT | BOM JESUS DA LAPA | BRAZIL | 80442 | C | CALABOZO | VENEZUELA |
| 43057 | C | BOMBAY/COLABA | INDIA | 42807 | C | CALCUTTA/ALIPORE | INDIA |
| 43003 | T | BOMBAY/SANTACRUZ | INDIA | 42809 | T | CALCUTTA/DUMDUM | INDIA |
| 31253 | C | BOMNAK | RUSSIAN FEDERATION | 80259 | C | CALI/ALFONSOBONILLAARAGON | COLOMBIA |
| 65545 | C | BONDOUKOU | COTE D'IVOIRE | 68618 | C | CALVINIA | SOUTH AFRICA |
| 23884 | C | BOR | RUSSIAN FEDERATION | 03808 | T | CAMBORNE | U KINGDOM |
| 07510 | C | BORDEAUX/MERIGNAC | FRANCE | 71925 | T | CAMBRIDGEBAY UA, N.W.T. | CANADA |
| 60444 | C | BORDJ BOU ARRERIDJ | ALGERIA | 83612 | T | CAMPO GRANDE (AEROPORTO) | BRAZIL |
| 60686 | C | BORDJ B.MOKHTAR | ALGERIA | 83698 | C | CAMPOS | BRAZIL |
| 65516 | C | BOROMO | BURKINA FASO | 17112 | C | CANAKKALE | TURKEY |
| 72509 | C | BOSTON/LOGANINT., MA | USA | 07661 | C | CAP CEPET | FRANCE |
| 60515 | C | BOU-SAADA | ALGERIA | 71910 | C | CAPE DORSET, N.W.T. | CANADA |
| 64601 | C | BOUAR | CENTRAL AFRICAN REP | 72304 | C | CAPE HATTERAS, NC. | USA |
| 60417 | C | BOUIRA | ALGERIA | 68816 | CT | CAPE TOWN INTNL. AIRPORT | SOUTH AFRICA |
| 07255 | C | BOURGES | FRANCE | 80416 | C | CARACAS/LACARLOTA | VENEZUELA |
| 03862 | C | BOURNEMOUTH AIRPORT | U KINGDOM | 80415 | C | CARACAS/MAIQUETIAAEROP. INT | VENEZUELA |
| 08575 | C | BRAGANCA | PORTUGAL | 83592 | C | CARATINGA | BRAZIL |
| 83377 | C | BRASILIA | BRAZIL | 83498 | C | CARAVELAS | BRAZIL |
| 83378 | T | BRASILIA (AEROPORTO) | BRAZIL | 72712 | C | CARIBOU/MUN.,ME. | USA |
| 30309 | C | BRATSK | RUSSIAN FEDERATION | 82765 | CT | CAROLINA | BRAZIL |
| 64450 | C | BRAZZAVILLE/MAYA-MAYA | CONGO | 86580 | C | CARRASCO | URUGUAY |
| 07110 | CT | BREST | FRANCE | 80432 | C | CARRIZAL | VENEZUELA |
| 64655 | C | BRIA | CENTRAL AFRICAN REP | 80022 | C | CARTAGENA/RAFAELNUNEZ | COLOMBIA |
| 16320 | T | BRINDISI | ITALY | 60155 | CT | CASABLANCA | MOROCCO |
| 11723 | C | BRNO/TURANY | CZECH REP | 03967 | C | CASEMENT AERODROME | IRELAND |
| 10453 | C | BROCKEN | GERMANY | 89611 | CT | CASEY | AUSTRALIA |
| 94203 | CT | BROOME AIRPORT | AUSTRALIA | 72569 | C | CASPER/NATRONACOUNTY I., WY. | USA |
| 72250 | C | BROWNSVILLE/INT., TX. | USA | 87222 | C | CATAMARCA AERO. | ARGENTINA |
| 96315 | T | BRUNEI AIRPORT | BRUNEI DARUSSALAM | 83676 | C | CATANDUVA | BRAZIL |
| 80094 | C | BUCARAMANGA/PALONEGRO | COLOMBIA | 81405 | C | CAYENNE/ROCHAMBEAU | FRENCH GUIANA |

STATION LIST RECENT DATA

| | | | | | | | |
|-------|----|------------------------------|--------------------|-------|----|-----------------------------|---------------------|
| 94653 | C | CEDUNA AIRPORT | AUSTRALIA | 15120 | CT | CLUJ-NAPOCA | ROMANIA |
| 89056 | C | CENTROMET.ANTARTICO''PDTE.ED | CHILE | 82425 | C | COARI | BRAZIL |
| 87257 | C | CERES AERO | ARGENTINA | 94711 | CT | COBAR | AUSTRALIA |
| 87320 | C | CHAMICAL AERO | ARGENTINA | 85041 | C | COBIJA | BOLIVIA |
| 48480 | C | CHANTHABURI | THAILAND | 43353 | T | COCHIN/WILLINGDON | INDIA |
| 38687 | C | CHARDZHEV | TURKMENISTAN | 96996 | CT | COCOS ISLAND AERO | AUSTRALIA |
| 72414 | C | CHARLESTON/KANAWHA.,WV. | USA | 94791 | C | COFFS HARBOURMO | AUSTRALIA |
| 72208 | C | CHARLESTON/MUN.,SC. | USA | 70316 | CT | COLD BAY | USA |
| 72314 | C | CHARLOTTE/DOUGLASNC. | USA | 43466 | C | COLOMBO | SRI LANKA |
| 07314 | C | CHASSIRON | FRANCE | 86560 | C | COLONIA | URUGUAY |
| 93986 | T | CHATHAM ISLAND | N ZEALAND | 76458 | C | COLONIA JUAN CARRAS-COMAZAT | MEXICO |
| 93987 | C | CHATHAM ISLANDS AWS | N ZEALAND | 72310 | C | COLUMBIA,SC. | USA |
| 72324 | C | CHATTANOOGA/LOVELFIELD, TN | USA | 72445 | C | COLUMBIA/REGIONAL,MO. | USA |
| 47184 | C | CHEJU | REP KOREA | 72428 | C | COLUMBUS/PORTCOLUMBUS, OH. | USA |
| 10577 | C | CHEMNITZ | GERMANY | 76848 | C | COMITAN,CHIS. | MEXICO |
| 87322 | C | CHEPES | ARGENTINA | 87860 | C | COMODORO RIVADA VIA AERO | ARGENTINA |
| 42515 | C | CHERRAPUNJI | INDIA | 82861 | C | CONCEICAO DO ARAGUAIA | BRAZIL |
| 76750 | C | CHE TUMAL,Q.ROO | MEXICO | 86134 | C | CONCEPCION | PARAGUAY |
| 72564 | C | CHEYENNE,WY. | USA | 72605 | C | CONCORD/MUN.,NH. | USA |
| 41768 | C | CHHOR | PAKISTAN | 87395 | C | CONCORDIA AERO | ARGENTINA |
| 48327 | CT | CHIANG MAI | THAILAND | 15480 | C | CONSTANTA | ROMANIA |
| 72530 | C | CHICAGO/O'HARE,IL. | USA | 60419 | C | CONSTANTINE | ALGERIA |
| 47971 | CT | CHICHIJIMA | JAPAN | 85470 | C | COPIAPO | CHILE |
| 84452 | C | CHICLAYO | PERU | 71915 | T | CORAL HARBOUR UA, N.W.T. | CANADA |
| 87213 | C | CHILECITO AERO | ARGENTINA | 87344 | CT | CORDOBA AERO | ARGENTINA |
| 85672 | C | CHILLAN | CHILE | 08410 | C | CORDOBA/AEROPUERTO | SPAIN |
| 38262 | C | CHIMBAJ | UZBEKISTAN | 03955 | C | CORK AIRPORT | IRELAND |
| 30758 | CT | CHITA | RUSSIAN FEDERATION | 80403 | C | CORO | VENEZUELA |
| 60425 | C | CHLEF | ALGERIA | 72251 | C | CORPUS CHRISTI/INT.,TX. | USA |
| 44259 | C | CHOIBALSAN | MONGOLIA | 87166 | C | CORRIENTES AERO. | ARGENTINA |
| 44298 | C | CHOIR | MONGOLIA | 17084 | C | CORUM | TURKEY |
| 76311 | C | CHOIX,SIN. | MEXICO | 83552 | C | CORUMBA | BRAZIL |
| 21946 | C | CHOKURDAH | RUSSIAN FEDERATION | 65344 | C | COTONOU | BENIN |
| 47648 | C | CHOSHI | JAPAN | 10496 | C | COTTBUS | GERMANY |
| 93780 | C | CHRISTCHURCH | N ZEALAND | 85864 | C | COYHAIQUE | CHILE |
| 48517 | C | CHUMPHON | THAILAND | 78962 | C | CROWN POINT AIRPORT,TOBAGO | TRINIDAD AND TOBAGO |
| 47101 | C | CHUNCHON | REP KOREA | 82704 | C | CRUZEIRO DO SUL | BRAZIL |
| 71913 | T | CHURCHILL UA,MAN. | CANADA | 80097 | C | CUCUTA/CAMILODAZA | COLOMBIA |
| 96805 | C | CILACAP | INDONESIA | 83361 | C | CUIABA | BRAZIL |
| 72421 | C | CINCINNATI/GREATERCIN., OH. | USA | 80420 | C | CUMANA | VENEZUELA |
| 80444 | C | CIUDAD BOLIVAR | VENEZUELA | 85629 | C | CURICO | CHILE |
| 08348 | C | CIUDAD REAL | SPAIN | 83842 | C | CURITIBA | BRAZIL |
| 72360 | C | CLAYTON/MUN.,NM. | USA | 83840 | T | CURITIBA (AEROPORTO) | BRAZIL |
| 07460 | C | CLERMONT-FERRAND | FRANCE | 96739 | C | CURUG/BUDIARTO | INDONESIA |

STATION LIST RECENT DATA

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| 84686 | C | CUZCO | PERU | 03969 | C | DUBLIN AIRPORT | IRELAND |
| 43150 | T | CWC VISHAKHAPATNAM/WALTAIR | INDIA | 52836 | C | DULAN | CHINA |
| 48855 | C | DA NANG | VIET NAM | 72745 | C | DULUTH/INT.,MN. | USA |
| 98325 | C | DAGUPAN | PHILIPPINES | 68588 | CT | DURBAN INTNL. AIRPORT | SOUTH AFRICA |
| 61641 | CT | DAKAR/YOFF | SENEGAL | 42731 | C | DWARKA | INDIA |
| 41712 | C | DAL BANDIN | PAKISTAN | 67005 | C | DZAOUDZI/PAMANZI(MAYOTTE) | COMOROS |
| 44373 | C | DALANZADGAD | MONGOLIA | 24143 | C | DZARDZAN | RUSSIAN FEDERATION |
| 72259 | C | DALLAS-FORT WORTH/FORT.,TX. | USA | 68858 | C | EAST LONDON | SOUTH AFRICA |
| 40080 | C | DAMASCUS INT. AIRPORT | SYRIAN ARAB REP | 94907 | C | EAST SALE AIRPORT | AUSTRALIA |
| 04320 | C | DANMARKSHAVN | GREENLAND | 17050 | C | EDIRNE | TURKEY |
| 60390 | CT | DAR-EL-BEIDA | ALGERIA | 71119 | T | EDMONTON STONY PLAIN, ALTA | CANADA |
| 94120 | CT | DARWIN AIRPORT | AUSTRALIA | 40199 | C | EILAT | ISRAEL |
| 44256 | C | DASHBALBAR | MONGOLIA | 62337 | C | EL ARISH | EGYPT |
| 26544 | C | DAUGAVPILS | LATVIA | 60590 | C | EL GOLEA | ALGERIA |
| 89571 | CT | DAVIS | AUSTRALIA | 60540 | C | EL KHEITER | ALGERIA |
| 72429 | C | DAYTON/. COX, OH | USA | 60559 | C | EL OUED | ALGERIA |
| 06260 | CT | DE BILT | NETHERLANDS | 72270 | C | EL PASO/INT., TX. | USA |
| 06235 | C | DE KOOY | NETHERLANDS | 80437 | C | EL VIGIA | VENEZUELA |
| 12882 | C | DEBRECEN | HUNGARY | 60367 | C | EL-KALA | ALGERIA |
| 65505 | C | DEDOUGOU | BURKINA FASO | 60550 | C | ELBAYADH | ALGERIA |
| 40045 | C | DEIR EZZOR | SYRIAN ARAB REP | 12160 | C | ELBLAG | POLAND |
| 60387 | C | DELLYS | ALGERIA | 63686 | C | ELDOROT | KENYA |
| 97230 | C | DENPASAR/NGURAH-RAI | INDONESIA | 72486 | C | ELY/YELLAND,NV. | USA |
| 41624 | C | DERA ISMAIL KHAN | PAKISTAN | 07591 | CT | EMBRUN | FRANCE |
| 72546 | C | DES MOINES/MUN.,IA. | USA | 10200 | C | EMDEN-FLUGPLATZ | GERMANY |
| 72537 | C | DETROIT/METROPOLITANMI. | USA | 76256 | C | EMPALME, SON | MEXICO |
| 40416 | C | DHAHRAN | SAUDI ARABIA | 29263 | C | ENISEJSK | RUSSIAN FEDERATION |
| 41923 | T | DHAKA | BANGLADESH | 24817 | C | ERBOGACEN | RUSSIAN FEDERATION |
| 42404 | C | DHUBRI | INDIA | 44237 | C | ERDENEMANDAL | MONGOLIA |
| 42314 | C | DIBRUGARH/MOHANBARI | INDIA | 53068 | C | ERENHOT | CHINA |
| 67009 | C | DIEGO-SUAREZ | MADAGASCAR | 10554 | C | ERFURT-BINDERSLEBEN | GERMANY |
| 07280 | C | DIJON | FRANCE | 17092 | C | ERZINCAN | TURKEY |
| 65562 | C | DIMBOKRO | COTE D'IVOIRE | 17096 | C | ERZURUM | TURKEY |
| 89054 | C | DINAMET-URUGUAY | URUGUAY | 40800 | C | ESFAHAN | IRAN, ISLAMIC REP |
| 63471 | C | DIREDAWA | ETHIOPIA | 03162 | C | ESKDALEMUIR | U KINGDOM |
| 17280 | CT | DIYARBAKIR | TURKEY | 87803 | C | ESQUEL AERO | ARGENTINA |
| 60670 | C | DJANET | ALGERIA | 60220 | C | ESSAOUIRA | MOROCCO |
| 60535 | C | DJELFA | ALGERIA | 10410 | CT | ESSEN | GERMANY |
| 41170 | C | DOHA INTERNATIONAL AIRPORT | QATAR | 71917 | T | EUREKA UA, N.W.T. | CANADA |
| 87648 | C | DOLORES AERO | ARGENTINA | 72594 | C | EUREKA, CA. | USA |
| 65501 | C | DORI | BURKINA FASO | 72432 | C | EVANSVILLE/REG.,IN. | USA |
| 64910 | CT | DOUALA OBS. | CAMEROON | 87576 | CT | EZEIZA AERO | ARGENTINA |
| 10488 | C | DRESDEN-KLOTZSCHE | GERMANY | 65507 | C | FADA N'GOURMA | BURKINA FASO |
| 41515 | C | DROSH | PAKISTAN | 70261 | C | FAIRBANKS/INT. | USA |

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|-------|----|-----------------------------|---------------|-------|----|-----------------------------|--------------------|
| 72753 | C | FARGO/HECTORFIELD, ND. | USA | 94461 | CT | GILES | AUSTRALIA |
| 76698 | C | FELIPE CARRILLOPUERTO, Q.RO | MEXICO | 17034 | C | GIRESUN | TURKEY |
| 11155 | C | FEUERKOGEL | AUSTRIA | 93292 | C | GISBORNE AERODROMEAWS | N ZEALAND |
| 10578 | C | FICHELBERG | GERMANY | 41140 | C | GIZAN | SAUDI ARABIA |
| 72637 | C | FLINT/BISHOP, MI. | USA | 72768 | C | GLASGOW/INTL,MT. | USA |
| 82678 | CT | FLORIANO | BRAZIL | 20292 | C | GMO IM.E.K. FEDOROVA | RUSSIAN FEDERATION |
| 83897 | C | FLORIANOPOLIS | BRAZIL | 43192 | CT | GOA/PANJIM | INDIA |
| 82212 | C | FONTE BOA | BRAZIL | 87880 | C | GOBERNADOR GREGORES AERO | ARGENTINA |
| 87162 | C | FORMOSA AERO | ARGENTINA | 10499 | C | GOERLITZ | GERMANY |
| 71945 | CT | FORT NELSON UA,B.C. | CANADA | 83423 | C | GOIANIA | BRAZIL |
| 71934 | T | FORT SMITH UA,N.W.T. | CANADA | 63331 | C | GONDAR | ETHIOPIA |
| 72344 | C | FORT SMITH/MUN., AR. | USA | 71816 | CT | GOOSE UA,NFLD. | CANADA |
| 72533 | C | FORT WAYNE/MUN.,BAERFL.,IN. | USA | 02527 | T | GOTEBORG/LANDVETTER | SWEDEN |
| 67197 | CT | FORT-DAUPHIN | MADAGASCAR | 02512 | C | GOTEBORG/SAVE | SWEDEN |
| 82397 | CT | FORTALEZA | BRAZIL | 68906 | CT | GOUGH ISLAND | SOUTH AFRICA |
| 72389 | C | FRESNO/AIR TERM., CA. | USA | 07535 | C | GOURDON | FRANCE |
| 02226 | C | FROSON | SWEDEN | 61045 | C | GOURE | NIGER |
| 47843 | C | FUKUE | JAPAN | 94150 | CT | GOVE AIRPORT | AUSTRALIA |
| 47807 | CT | FUKUOKA | JAPAN | 72476 | C | GRAND JUNCTION/WALKERF.,CO. | USA |
| 91643 | CT | FUNAFUTI | TUVALU | 72635 | C | GRAND RAPIDS/KENTCO., MI. | USA |
| 08522 | CT | FUNCHAL | MADEIRA | 78954 | C | GRANTLEY ADAMS | BARBADOS |
| 60765 | C | GABES | TUNISIA | 11240 | C | GRAZ-THALERHOF-FLUGHAFEN | AUSTRIA |
| 60745 | C | GAFSA | TUNISIA | 72645 | C | GREEN BAY/A.-STRAUBEL,WI. | USA |
| 65557 | C | GAGNOA | COTE D'IVOIRE | 72317 | C | GREENSBORO/G.-HIGHPT., NC. | USA |
| 44284 | C | GAIUUT | MONGOLIA | 72312 | C | GREENVILLE/SPATANBURGSC | USA |
| 83746 | T | GALEAO | BRAZIL | 10184 | CT | GREIFSWALD | GERMANY |
| 72242 | C | GALVESTON, TX. | USA | 68014 | C | GROOT FONTEIN | NAMIBIA |
| 64454 | C | GAMBOMA | CONGO | 87497 | C | GUALEGUAYCHUAERO | ARGENTINA |
| 94926 | C | GANBERRAAMO | AUSTRALIA | 76577 | C | GUANAJUATO,GTO. | MEXICO |
| 71803 | C | GANDER INT. AIRPORT,NFLD. | CANADA | 80428 | C | GUANARE | VENEZUELA |
| 57993 | C | GANZHOU | CHINA | 59287 | C | GUANGZHOU | CHINA |
| 65522 | C | GAOUA | BURKINA FASO | 80448 | C | GUASDUALITO | VENEZUELA |
| 63723 | C | GARISSA | KENYA | 60403 | C | GUELMA | ALGERIA |
| 42410 | CT | GAUHATI | INDIA | 80423 | C | GUIRIA | VENEZUELA |
| 10628 | C | GEISENHEIM | GERMANY | 02128 | C | GUNNARN | SWEDEN |
| 87532 | C | GENERAL PICO AERO | ARGENTINA | 40360 | C | GURIAT | SAUDI ARABIA |
| 06700 | C | GENEVE-COINTRIN | SWITZERLAND | 40250 | C | H-4 'IRWAISHED' | JORDAN |
| 68828 | C | GEORGE AIRPORT | SOUTH AFRICA | 48820 | C | HA NOI | VIET NAM |
| 10567 | C | GERA-LEUMNITZ | GERMANY | 47678 | C | HACHIJOJIMA | JAPAN |
| 94403 | CT | GERALDTON AIRPORT | AUSTRALIA | 76692 | C | HACIENDA YLANG YLANG VER. | MEXICO |
| 08184 | C | GERONA/COSTABRAVA | SPAIN | 40373 | T | HAFR AL-BATIN | SAUDI ARABIA |
| 60566 | C | GHARDAIA | ALGERIA | 59758 | C | HAIKOU | CHINA |
| 60517 | C | GHAZAOUET | ALGERIA | 40394 | C | HAIL | SAUDI ARABIA |
| 08495 | CT | GIBRALTAR | GIBRALTAR | 50527 | CT | HAILAR | CHINA |

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| 17285 | C | HAKKARI | TURKEY | 87097 | C | IGUAZU AERO | ARGENTINA |
| 47430 | C | HAKODATE | JAPAN | 25248 | C | ILIRNEJ | RUSSIAN FEDERATION |
| 71081 | T | HALL BEACH UA,N.W.T. | CANADA | 60640 | C | ILLIZI | ALGERIA |
| 89022 | CT | HALLEY | U KINGDOM | 04339 | C | ILLOQQORTOORMIUT(SCORESBSYSU | GREENLAND |
| 94212 | C | HALLS CREEK AMO | AUSTRALIA | 98637 | C | ILOILO | PHILIPPINES |
| 40030 | C | HAMA | SYRIAN ARAB REP | 31416 | C | IM POLINY OSIPENKO | RUSSIAN FEDERATION |
| 47755 | C | HAMADA | JAPAN | 64459 | C | IMPFONDO | CONGO |
| 43497 | C | HAMBANTOTA | SRI LANKA | 60611 | C | IN AMENAS | ALGERIA |
| 10147 | C | HAMBURG-FUHLSBUETTEL | GERMANY | 60630 | C | IN SALAH | ALGERIA |
| 52203 | C | HAMI | CHINA | 60690 | C | IN-GUEZZAM | ALGERIA |
| 10338 | C | HANNOVER | GERMANY | 72438 | C | INDIANAPOLIS/I.-MUN/WEI.,IN. | USA |
| 23933 | C | HANTY-MANSIJSK | RUSSIAN FEDERATION | 42754 | C | INDORE | INDIA |
| 02196 | C | HAPARANDA | SWEDEN | 11120 | C | INNSBRUCK-FLUGHAFEN | AUSTRIA |
| 72508 | C | HARTFORD/BRADLEYINTL, CT. | USA | 72747 | CT | INT.FALLS/FALLSINT.MN. | USA |
| 60581 | C | HASSI-MESSAOUD | ALGERIA | 71907 | CT | INUKJUAQ, QUE | CANADA |
| 20891 | CT | HATANGA | RUSSIAN FEDERATION | 71957 | T | INUVIK UA,N.W.T. | CANADA |
| 44207 | C | HATGAL | MONGOLIA | 93844 | CT | INVERCARGILLAERODROME | N ZEALAND |
| 78988 | CT | HATO AIRPORT,CURACAO | CURACAO AND BONAIRE | 80370 | C | IPALES/SAN LUIS | COLOMBIA |
| 72772 | C | HELENA/COUNTY-CITY.MT. | USA | 71909 | T | IQUALUIT,N.W.T. | CANADA |
| 02974 | C | HELSINKI-VANTAA | FINLAND | 84377 | C | IQUITOS | PERU |
| 62378 | C | HELWAN | EGYPT | 83881 | C | IRAI | BRAZIL |
| 16754 | C | HERAKLION(AIRPORT) | GREECE | 83836 | C | IRATI | BRAZIL |
| 91945 | C | HEREHERETUE | FRENCH POLY. | 68263 | T | IRENE | SOUTH AFRICA |
| 71066 | C | HIGH LEVEL, ALTA | CANADA | 30710 | C | IRKUTSK | RUSSIAN FEDERATION |
| 91753 | C | HIHIFO (ILE WALLIS) | N CALEDONIA | 47918 | CT | ISHIGAKIJIMA | JAPAN |
| 91285 | CT | HILO/GEN.LYMAN, HAWAII, | USA ONIA | 85469 | CT | ISLA DE PASCUA | CHILE |
| 98755 | C | HINATUAN | PHILIPPINES | 85585 | C | ISLA JUAN FERNANDEZ | CHILE |
| 94975 | CT | HOBART AIRPORT | AUSTRALIA | 41571 | C | ISLAMABAD AIRPORT | PAKISTAN |
| 10962 | C | HOHENPEISSENBERG | GERMANY | 17240 | CT | ISPARTA | TURKEY |
| 93615 | C | HOKITIKA AERODROME AWS | N ZEALAND | 17062 | CT | ISTANBUL/GOZTEPE | TURKEY |
| 70341 | C | HOMER/MUNICIPAL | USA | 82445 | C | ITAITUBA | BRAZIL |
| 91182 | C | HONOLULU,OAHU, HAWAII | USA | 17220 | CT | IZMIR/GUZELYALT | TURKEY |
| 08506 | C | HORTA (ACORES) | PORTUGAL | 47800 | C | IZUHARA | JAPAN |
| 51828 | C | HOTAN | CHINA | 68112 | C | J.G.STRIJDOM | NAMIBIA |
| 72243 | C | HOUSTON/INTERCONTI-NENTAL, | USA | 72235 | C | JACKSON/ALLENC. THOMP., MS. | USA |
| 44218 | C | HOVD | MONGOLIA | 72206 | C | JACKSONVILLE/INTNL.,FL. | USA |
| 44285 | C | HUJIRT | MONGOLIA | 41715 | C | JACOBABAD | PAKISTAN |
| 72425 | C | HUNTINGTON,WV | USA | 83186 | C | JACOBINA | BRAZIL |
| 72654 | C | HURON/HURONREGIONAL,SD. | USA | 43041 | C | JAGDALPUR | INDIA |
| 44232 | C | HUTAG | MONGOLIA | 96745 | C | JAKARTA/OBSERVATORY | INDONESIA |
| 43128 | CT | HYDERABAD AIRPORT | INDIA | 24959 | CT | JAKUTSK | RUSSIAN FEDERATION |
| 15090 | C | IASI | ROMANIA | 01001 | CT | JAN MAYEN | NORWAY |
| 80214 | C | IBAGUE/PERALES | COLOMBIA | 96791 | C | JATIWANGI | INDONESIA |
| 08373 | C | IBIZA/ES CODOLA | SPAIN | 41024 | CT | JEDDAH (KING ABDUL AZIZ INT. | SAUDI ARABIA |

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| 60725 | C | JENDOUBA | TUNISIA | 17074 | C | KASTAMONU | TURKEY |
| 08451 | C | JEREZ DE LA FRONTERA AERO. | SPAIN | 44454 | C | KATHMANDU AIRPORT | NEPAL |
| 41598 | C | JHELUM | PAKISTAN | 26629 | C | KAUNAS | LITHUANIA |
| 60351 | C | JIJEL ACHOUAT | ALGERIA | 27595 | C | KAZAN' | RUSSIAN FEDERATION |
| 60353 | C | JIJEL PORT | ALGERIA | 68312 | C | KEETMANSHOOP | NAMIBIA |
| 63402 | C | JIMMA | ETHIOPIA | 04018 | CT | KEFLAVIKURFLUGVOLLUR | ICELAND |
| 52533 | C | JIUQUAN | CHINA | 10946 | C | KEMPTEN | GERMANY |
| 41756 | C | JIWANI | PAKISTAN | 60120 | C | KENITRA | MOROCCO |
| 42339 | CT | JODHPUR | INDIA | 16641 | C | KERKYRA (AIRPORT) | GREECE |
| 02929 | C | JOENSUU | FINLAND | 93997 | T | KERMADECIS. | N ZEALAND |
| 68368 | C | JOHANNESBURG INT. AIRPORT | SOUTH AFRICA | 40841 | CT | KERMAN | IRAN, ISLAMIC REP |
| 02963 | CT | JOKIOINEN | FINLAND | 40766 | C | KERMANSHAH | IRAN, ISLAMIC REP |
| 02550 | C | JONKOPING/AXAMO | SWEDEN | 02805 | C | KEVO | FINLAND |
| 78762 | CT | JUAN SANTAMARIA | COSTA RICA | 72201 | C | KEY WEST/INT., FL. | USA |
| 87046 | C | JUJUY AERO | ARGENTINA | 44313 | C | KHALKH-GOL | MONGOLIA |
| 84735 | C | JULIACA | PERU | 41114 | C | KHAMIS MUSHAIT | SAUDI ARABIA |
| 78866 | CT | JULIANA AIRPORT, ST. MAARTEN | ST.MAARTEN, ST.EUST | 41718 | C | KHANPUR | PAKISTAN |
| 87548 | C | JUNIN AERO | ARGENTINA | 34300 | C | KHARKIV | UKRAINE |
| 32150 | CT | JUZHNO-SAHALINSK | RUSSIAN FEDERATION | 60476 | C | KHENCHELLA | ALGERIA |
| 02935 | CT | JYVASKYLA | FINLAND | 41744 | C | KHUZDAR | PAKISTAN |
| 67663 | C | KABWE | ZAMBIA | 64387 | C | KIGALI | RWANDA |
| 47827 | CT | KAGOSHIMA | JAPAN | 02801 | C | KILPISJARVI | FINLAND |
| 17255 | C | KAHRAMANMARAS | TURKEY | 68438 | C | KIMBERLEY | SOUTH AFRICA |
| 93678 | C | KAIKOURA | N ZEALAND | 40417 | C | KING FAHAD INT. AIRPORT | SAUDI ARABIA |
| 60735 | C | KAIROUAN | TUNISIA | 40437 | CT | KING KHALED INT. AIRPORT | SAUDI ARABIA |
| 93012 | C | KAITAIA | N ZEALAND | 70326 | C | KING SALMON | USA |
| 02897 | C | KAJAANI | FINLAND | 45004 | CT | KING'S PARK | HONG KONG, CHINA |
| 16726 | C | KALAMATA (AIRPORT) | GREECE | 78397 | CT | KINGSTON/NORMANMANLEY | JAMAICA |
| 25744 | C | KAMENSKOE | RUSSIAN FEDERATION | 03066 | C | KINLOSS | U KINGDOM |
| 40001 | C | KAMISHLI | SYRIAN ARAB REP | 30230 | CT | KIRENSK | RUSSIAN FEDERATION |
| 71887 | C | KAMLOOPS, B.C. | CANADA | 11231 | C | KLAGENFURT-FLUGHAFEN | AUSTRIA |
| 47605 | C | KANAZAWA | JAPAN | 26509 | C | KLAJPEDA | LITHUANIA |
| 65306 | C | KANDI | BENIN | 72326 | C | KNOXVILLE/MUN., TN. | USA |
| 47105 | C | KANGNUNG | REP KOREA | 11487 | C | KOCELOVICE | CZECH REP |
| 22165 | C | KANIN NOS | RUSSIAN FEDERATION | 06186 | C | KOEBENHAVN/LANDBOHOEJSKOLEN | DENMARK & FAROE IS. |
| 61679 | C | KAOLACK | SENEGAL | 29231 | CT | KOLPASEVO | RUSSIAN FEDERATION |
| 41780 | C | KARACHI AIRPORT | PAKISTAN | 10929 | C | KONSTANZ | GERMANY |
| 35394 | C | KARAGANDA | KAZAKHSTAN | 17244 | C | KONYA | TURKEY |
| 02080 | C | KARESUANDO | SWEDEN | 25954 | CT | KORF | RUSSIAN FEDERATION |
| 10727 | C | KARLSRUHE | GERMANY | 91408 | C | KOROR, PALAU IS. | USA FEDERATION |
| 02418 | C | KARLSTADFLYGPLATS | SWEDEN | 42452 | C | KOTA AERODROME | INDIA |
| 17098 | C | KARS | TURKEY | 48615 | CT | KOTA BHARU | MALAYSIA |
| 67475 | C | KASAMA | ZAMBIA | 96471 | CT | KOTA KINABALU | MALAYSIA |
| 51709 | C | KASHI | CHINA | 70133 | CT | KOTZEBUE, RALPH WIEN | USA |

STATION LIST RECENT DATA

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|-------|----|------------------------------|-----------------|-------|----|-----------------------------|--------------------|
| 91577 | C | KOUMAC (NLE-CALEDONIE) | N CALEDONIA | 94968 | C | LAUNCESTONAIRPORT | AUSTRALIA |
| 43314 | C | KOZHIKODE | INDIA | 07471 | C | LE BUY | FRANCE |
| 12566 | C | KRAKOW | POLAND | 78925 | C | LE LAMENTIN | MARTINIQUE |
| 60514 | C | KSAR CHELLALA | ALGERIA | 78897 | CT | LE RAIZET,GAUDELLOUPE | ST.MARTIN,ST.BARTH |
| 48647 | C | KUALALUMPUR/SUBANG | MALAYSIA | 07207 | C | LE TALUT | FRANCE |
| 48657 | C | KUANTAN | MALAYSIA | 12120 | CT | LEBA | POLAND |
| 96413 | CT | KUCHING | MALAYSIA | 03257 | C | LEEMING | U KINGDOM |
| 65442 | C | KUMASI | GHANA | 98444 | C | LEGASPI | PHILIPPINES |
| 56778 | CT | KUNMING | CHINA | 12374 | T | LEGIONOWO | POLAND |
| 47418 | C | KUSHIRO | JAPAN | 10469 | C | LEIPZIG-SCHKEUDITZ | GERMANY |
| 28952 | C | KUSTANAI | KAZAKHSTAN | 83242 | C | LENCOIS | BRAZIL |
| 71906 | CT | KUJJUAQ,QUE. | CANADA | 03005 | CT | LERWICK | U KINGDOM |
| 71905 | C | KUJJUARAPIK,QUE. | CANADA | 80398 | C | LETICIA/VASQUEZCOBO | COLOMBIA |
| 02869 | C | KUUSAMO | FINLAND | 72422 | C | LEXINGTON/BLUEGRASS, KY. | USA |
| 91366 | C | KWAJALEIN/BUCHOLZAAF, MARSH | USA | 55591 | CT | LHASA | CHINA |
| 47158 | T | KWANGJU AB | REP KOREA | 11603 | C | LIBREC | CZECH REP |
| 33345 | C | KYIV | UKRAINE | 64500 | C | LIBREVILLE | GABON |
| 33393 | C | L'VIV | UKRAINE | 91165 | C | LIHUE, KAUAI, HAWAII | USA |
| 08001 | CT | LA CORUNA | SPAIN | 07015 | C | LILLE | FRANCE |
| 71823 | T | LA GRANDEIV,QUE. | CANADA | 67586 | C | LILONGWEINT'L AIRPORT | MALAWI |
| 71827 | C | LA GRANDE RIVIERE, QUE | CANADA | 84628 | CT | LIMA-CALLAO/AEROP.INTERNACI | PERU |
| 07020 | CT | LA HAGUE | FRANCE | 07434 | C | LIMOGES | FRANCE |
| 76405 | C | LA PAZ, B.C.S. | MEXICO | 10393 | CT | LINDENBERG | GERMANY |
| 87007 | C | LA QUIACA OBSERVATORIO | ARGENTINA | 61627 | C | LINGUERE | SENEGAL |
| 87217 | C | LA RIOJA AERO. | ARGENTINA | 08579 | T | LISBOA/GAGOCOUTINHO | PORTUGAL |
| 85488 | C | LA SERENA | CHILE | 08535 | C | LISBOA/GEOF | PORTUGAL |
| 87534 | C | LABOULAYE | ARGENTINA | 67743 | C | LIVINGSTONE | ZAMBIA |
| 82723 | C | LABREA | BRAZIL | 08084 | C | LOGRONO/AGONCILLO | SPAIN |
| 96465 | C | LABUAN | MALAYSIA | 65387 | C | LOME | TOGO |
| 60545 | C | LAGHOUAT | ALGERIA | 83766 | C | LONDRINA | BRAZIL |
| 41640 | C | LAHORECITY | PAKISTAN | 94346 | C | LONGREACHAIRPORT | AUSTRALIA |
| 08508 | T | LAJES/SANTARITA (ACORES) | PORTUGAL | 94995 | CT | LORD HOWE ISLAND AERO | AUSTRALIA |
| 72240 | C | LAKE CHARLES/MUN.,LA. | USA | 72295 | C | LOS ANGELES/INT.,CA. | USA |
| 91555 | C | LAMAP (MALEKULA) | VANUATU | 72423 | C | LOUISVILLE/STANDIFORD,KY. | USA |
| 72576 | C | LANDER/HUNT,WY. | USA | 48930 | C | LUANG-PRABANG | LAO PDR |
| 60040 | C | LANZAROTE/AEROPUERTO | SPAIN | 72267 | C | LUBBOCK/LUBBOCKINTL, TX. | USA |
| 52889 | T | LANZHOU | CHINA | 42369 | T | LUCKNOW/AMAUSI | INDIA |
| 98223 | C | LAOAG | PHILIPPINES | 06770 | C | LUGANO | SWITZERLAND |
| 16648 | C | LARISSA (AIRPORT) | GREECE | 16597 | C | LUQA | MALTA |
| 17609 | C | LARNACA AIRPORT | CYPRUS | 06590 | C | LUXEMBOURG/LUXEMBOURG | LUXEMBOURG |
| 87563 | C | LAS FLORES AERO | ARGENTINA | 03740 | C | LYNEHAM | U KINGDOM |
| 60030 | C | LAS PALMAS DE GRAN CAN./GAN. | SPAIN | 71078 | C | LYNN LAKE, MAN. | CANADA |
| 72386 | C | LAS VEGAS/MCCARRAN,NV. | USA | 64452 | C | M'POUYA | CONGO |
| 40022 | C | LATTAKIA | SYRIAN ARAB REP | 60467 | C | M'SILA | ALGERIA |

STATION LIST RECENT DATA

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|-------|----|------------------------------|--------------|-------|----|------------------------------|-------------------|
| 40310 | C | MA'AN | JORDAN | 87467 | C | MARCOS JUAREZ AERO | ARGENTINA |
| 44294 | C | MAANTI | MONGOLIA | 16325 | C | MARINA DI GINOSA | ITALY |
| 82098 | C | MACAPA | BRAZIL | 86068 | C | MARISCAL ESTIGARRIBIA | PARAGUAY |
| 43185 | C | MACHILIPATNAM | INDIA | 60230 | C | MARRAKECH | MOROCCO |
| 94367 | C | MACKAY MO | AUSTRALIA | 61996 | CT | MARTIN DE VIVIES (ILE AMSTER | OCEAN ISLANDS |
| 72217 | C | MACON/LEWIS B. WILSON, GA. | USA | 60506 | C | MASCARA METMORE | ALGERIA |
| 94998 | CT | MACQUARIE ISLAND | AUSTRALIA | 40745 | CT | MASHHAD | IRAN, ISLAMIC REP |
| 98646 | C | MACTAN | PHILIPPINES | 41288 | C | MASIRAH | OMAN |
| 40430 | CT | MADINAH | SAUDI ARABIA | 61630 | C | MATAM | SENEGAL |
| 72641 | C | MADISON/DANE COUNTY REGIONAL | USA | 47741 | C | MATSUE | JAPAN |
| 43279 | CT | MADRAS/MINAMBAKKAM | INDIA | 47618 | C | MATSUMOTO | JAPAN |
| 08221 | CT | MADRID/BARAJAS | SPAIN | 47887 | C | MATSUYAMA | JAPAN |
| 47624 | C | MAEBASHI | JAPAN | 80435 | C | MATURIN | VENEZUELA |
| 40265 | T | MAFRAQ | JORDAN | 89564 | CT | MAWSON | AUSTRALIA |
| 85114 | C | MAGDALENA | BOLIVIA | 70231 | C | MCGRATH | USA |
| 10361 | C | MAGDEBURG | GERMANY | 60549 | C | MECHERIA | ALGERIA |
| 60522 | C | MAGHNA | ALGERIA | 96035 | C | MEDAN/POLONIA | INDONESIA |
| 61096 | C | MAINE-SOROA | NIGER | 60437 | C | MEDEA | ALGERIA |
| 47750 | C | MAIZURU | JAPAN | 72597 | CT | MEDFORD/MEDFORD-JACKSON COU | USA |
| 67027 | C | MAJUNGA | MADAGASCAR | 94430 | C | MEEKATHARRA AIRPORT | AUSTRALIA |
| 91376 | C | MAJURO/MARSHALLS. INTL | USA CAR | 10548 | CT | MEININGEN | GERMANY |
| 41030 | C | MAKKAH | SAUDI ARABIA | 60150 | C | MEKNES | MOROCCO |
| 48665 | C | MALACCA | MALAYSIA A | 94866 | C | MELBOURNE AIRPORT | AUSTRALIA |
| 08482 | C | MALAGA/AEROPUERTO | SPAIN | 60338 | C | MELILLA | SPAIN |
| 87506 | C | MALARGUE AERO | ARGENTINA | 86440 | C | MELO | URUGUAY |
| 17199 | C | MALATYA/BOLGE | TURKEY | 97014 | C | MENADO/DR. SAM RATULANGI | INDONESIA |
| 03980 | C | MALIN HEAD | IRELAND | 87418 | C | MENDOZA AERO | ARGENTINA |
| 63799 | C | MALINDI | KENYA | 80425 | C | MENE GRANDE | VENEZUELA |
| 78741 | C | MANAGUA A.C. SANDINO | NICARAGUA | 56985 | C | MENGZI | CHINA |
| 82332 | T | MANAUS (AEROPORTO) | BRAZIL | 08314 | C | MENORCA/MAHON | SPAIN |
| 03334 | C | MANCHESTER AIRPORT | U KINGDOM | 86490 | C | MERCEDES | URUGUAY |
| 44341 | C | MANDALGOVI | MONGOLIA | 80438 | C | MERIDA | VENEZUELA |
| 43285 | T | MANGALORE/PANAMBUR | INDIA | 72234 | C | MERIDIAN/KEY, MS. | USA |
| 65352 | C | MANGO | TOGO | 62306 | C | MERSA MATRUH | EGYPT |
| 82533 | C | MANICORE | BRAZIL | 17340 | C | MERSIN | TURKEY |
| 71722 | T | MANIWAKI, QUE. | CANADA | 48674 | C | MERSING | MALAYSIA |
| 03797 | C | MANSTON | U KINGDOM | 16420 | C | MESSINA | ITALY |
| 76654 | C | MANZANILLO, COL. | MEXICO | 76680 | C | MEXICO (CENTRAL), D.F. | MEXICO |
| 87774 | C | MAQUINCHAO | ARGENTINA | 72202 | C | MIAMI, FL. | USA |
| 87692 | C | MAR DEL PLATA AERO | ARGENTINA | 60195 | C | MIDELT | MOROCCO |
| 82562 | C | MARABA | BRAZIL | 72265 | C | MIDLAND/MIDLAND REG., TX. | USA |
| 80407 | C | MARACAIBO-LACHINITA | VENEZUELA | 94693 | C | MILDURA AIRPORT | AUSTRALIA |
| 80413 | C | MARACAY - B.A. SUCRE | VENEZUELA | 11464 | C | MILESOVKA | CZECH REP |
| 61080 | C | MARADI | NIGER | 60430 | C | MILIANA | ALGERIA |

STATION LIST RECENT DATA

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|-------|----|-----------------------------|--------------------|-------|----|-----------------------------|--------------------|
| 72640 | C | MILWAUKEE/GEN.MITCHELL, WI. | USA | 44231 | C | MUREN | MONGOLIA |
| 47945 | CT | MINAMIDAITOJIMA | JAPAN | 22113 | C | MURMANSK | RUSSIAN FEDERATION |
| 47991 | CT | MINAMITORISHIMA | JAPAN | 47899 | C | MUROTOMISAKI | JAPAN |
| 43369 | CT | MINICOY | INDIA | 72636 | C | MUSKEGON/COUNTY,MI. | USA |
| 72658 | C | MINNEAPOLIS/ST.PAULINTL,MN. | USA | 25173 | C | MYS SHMIDTA | RUSSIAN FEDERATION |
| 26850 | C | MINSK | BELARUS | 25399 | C | MYS UELEN | RUSSIAN FEDERATION |
| 29866 | C | MINUSINSK | RUSSIAN FEDERATION | 61049 | C | N'GUIGMI | NIGER |
| 96449 | C | MIRI | MALAYSIA ERATION | 60557 | C | NAAMA | ALGERIA |
| 89592 | CT | MIRNYJ | USSR N | 47817 | C | NAGASAKI | JAPAN |
| 72773 | C | MISSOULA/JOHNSON-BELLF.,MT. | USA | 47636 | C | NAGOYA | JAPAN |
| 47585 | C | MIYAKO | JAPAN | 42867 | CT | NAGPUR SONEGAON | INDIA |
| 47927 | C | MIYAKOJIMA | JAPAN | 47936 | C | NAHA | JAPAN |
| 47830 | C | MIYAZAKI | JAPAN | 41128 | C | NAJРАН | SAUDI ARABIA |
| 68242 | C | MMABATHO | SOUTH AFRICA | 48431 | C | NAKHONRATCHASIMA | THAILAND |
| 72223 | C | MOBILE/BATESFIELD, AL. | USA | 48400 | C | NAKHONSAWAN | THAILAND |
| 30673 | C | MOGOCA | RUSSIAN FEDERATION | 58606 | C | NANCHANG | CHINA |
| 47165 | C | MOKPO | REP KOREA | 07180 | T | NANCY/ESSEY | FRANCE |
| 72544 | C | MOLINE/QUADCITY, IL. | USA | 91680 | CT | NANDI | FIJI |
| 76342 | C | MONCLOVA,COAH. | MEXICO | 59431 | C | NANNING | CHINA |
| 67633 | C | MONGU | ZAMBIA | 07222 | C | NANTES | FRANCE |
| 07560 | C | MONT AIGOUAL | FRANCE | 23205 | CT | NAR'JAN-MAR | RUSSIAN FEDERATION |
| 07607 | C | MONT-DE-MARSAN | FRANCE | 72327 | CT | NASHVILLE/METROPOLITAN,TN. | USA |
| 87393 | C | MONTE CASEROS AERO | ARGENTINA | 78073 | C | NASSAU AIRPORT | BAHAMAS |
| 78388 | C | MONTEGOBAY/SANGSTER | JAMAICA | 82598 | C | NATAL | BRAZIL |
| 76393 | C | MONTERREY,N.L. | MEXICO | 82599 | T | NATAL (AEROPORTO) | BRAZIL |
| 83437 | C | MONTES CLAROS | BRAZIL | 71813 | C | NATASHQUAN,QUE. | CANADA |
| 72226 | C | MONTGOMERY/DANNELLYAL. | USA | 65319 | C | NATITINGOU | BENIN |
| 07643 | C | MONTPELLIER | FRANCE | 91683 | C | NAUSORI | FIJI |
| 71836 | T | MOOSONEE,ONT. | CANADA | 41749 | C | NAWABSHAH | PAKISTAN |
| 76665 | C | MORELIA,MICH. | MEXICO | 47909 | CT | NAZE | JAPAN |
| 27612 | CT | MOSKVA | RUSSIAN FEDERATION | 64700 | C | NDJAMENA | CHAD |
| 60457 | C | MOSTAGANEMVILLE | ALGERIA | 80315 | C | NEIVA/BENITOSALAS | COLOMBIA |
| 64550 | C | MOUILA | GABON | 47420 | CT | NEMURO | JAPAN |
| 94821 | CT | MOUNT GAMBIER AERO | AUSTRALIA | 10557 | C | NEUHAUS A.R. | GERMANY |
| 88889 | T | MOUNT PLEASANT AIRPORT | UK FALKLANDISLANDS | 89002 | CT | NEUMAYER | GERMANY |
| 64402 | C | MOUYONDZI | CONGO | 87715 | C | NEUQUENAERO | ARGENTINA |
| 94332 | CT | MT ISA AERO | AUSTRALIA | 10270 | C | NEURUPPIN | GERMANY |
| 10870 | C | MUENCHEN,FLUGHAFEN | GERMANY | 42182 | CT | NEW DELHI/SAFDARJUNG | INDIA |
| 10868 | T | MUENCHEN-OBERSCHLEISSHEIM | GERMANY | 72231 | C | NEW ORLEANS/MOISANTINT., LA | USA |
| 17292 | C | MUGLA | TURKEY | 93309 | C | NEW PLYMOUTH AWS | N ZEALAND |
| 42147 | C | MUKTESHWARKUMAON | INDIA | 72503 | C | NEW YORK/LA GUARDIA, NY. | USA |
| 41675 | C | MULTAN | PAKISTAN | 64870 | C | NGAOUNDERE | CAMEROON |
| 08430 | T | MURCIA | SPAIN | 48877 | C | NHA TRANG | VIET NAM |
| 08433 | C | MURCIA/SANJAVIER | SPAIN | 61052 | CT | NIAMEY-AERO | NIGER |

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|-------|----|------------------------------|--------------------|-------|----|-----------------------------|--------------------|
| 65355 | C | NIAMTOUGOU | TOGO | 47675 | C | OSHIMA | JAPAN |
| 07690 | C | NICE | FRANCE | 01384 | C | OSLO/GARDERMOEN | NORWAY |
| 17250 | C | NIGDE | TURKEY | 11782 | C | OSTRAVA/MOSNOV | CZECH REP |
| 02942 | C | NIINISALO | FINLAND | 20674 | CT | OSTROV DIKSON | RUSSIAN FEDERATION |
| 32618 | C | NIKOL'SKOE | RUSSIAN FEDERATION | 21432 | C | OSTROV KOTEL'NYJ | RUSSIAN FEDERATION |
| 31369 | C | NIKOLAEVSK-NA-AMURE | RUSSIAN FEDERATION | 20069 | C | OSTROV VIZE | RUSSIAN FEDERATION |
| 07645 | T | NIMES/COURBESSAC | FRANCE | 65503 | C | OUAGADOUGOU | BURKINA FASO |
| 98429 | C | NINOY AQUINO INTER- NATIONAL | PHILIPPINES | 65502 | C | OUAHIGOUYA | BURKINA FASO |
| 23724 | C | NJAKSIMVOL' | RUSSIAN FEDERATION | 60580 | C | OUARGLA | ALGERIA |
| 41710 | C | NOKKUNDI | PAKISTAN | 60265 | C | OUARZAZATE | MOROCCO |
| 70200 | CT | NOME | USA | 64458 | C | OUESSO | CONGO |
| 94996 | CT | NORFOLK ISLAND AERO | AUSTRALIA | 60115 | C | OIJDA | MOROCCO |
| 72308 | C | NORFOLK/INT.,VA. | USA | 02875 | C | OULU | FINLAND |
| 72556 | C | NORFOLK/KARLSTEFAN, NE. | USA | 60421 | C | OUM EL BOUAGHI | ALGERIA |
| 71043 | CT | NORMAN WELLS UA, N.W.T. | CANADA | 08015 | C | OVIEDO | SPAIN |
| 72340 | C | NORTH LITTLE ROCK/MUNICIPAL | USA | 47663 | C | OWASE | JAPAN |
| 72562 | CT | NORTH PLATTE/LEEBIRD, NE. | USA | 91765 | CT | PAGO PAGO/INT. AIRPORT | SAMOA |
| 61415 | C | NOUADHIBOU | MAURITANIA | 96109 | C | PAKANBARU/SIMPANGTIGA | INDONESIA |
| 61442 | C | NOUAKCHOTT | MAURITANIA | 48955 | C | PAKSE | LAO PDR |
| 91592 | CT | NOUMEA (NLLE-CALEDONIE) | N CALEDONIA | 96221 | C | PALEMBANG/TALANGBETUTU | INDONESIA |
| 89512 | C | NOVOLAZAREVSKAJA | USSR | 08306 | C | PALMA DE MALLORCA/SONSAN JU | SPAIN |
| 10763 | C | NUERNBERG | GERMANY | 40061 | C | PALMYRA | SYRIAN ARAB REP |
| 04250 | C | NUUK (GODTHAAB) | GREENLAND | 43363 | C | PAMBAN | INDIA |
| 33837 | C | ODESA | UKRAINE | 96237 | C | PANGKALPINANG/PANGKALPINANG | INDONESIA |
| 31088 | CT | OHOTSK | RUSSIAN FEDERATION | 41739 | C | PANJGUR | PAKISTAN |
| 47815 | C | OITA | JAPAN | 41560 | C | PARACHINAR | PAKISTAN |
| 24688 | C | OJMJAKON | RUSSIAN FEDERATION | 65330 | C | PARAKOU | BENIN |
| 24125 | CT | OLENEK | RUSSIAN FEDERATION | 87374 | C | PARANA AERO | ARGENTINA |
| 72792 | C | OLYMPIA, WA. | USA | 93417 | CT | PARAPARAUMU AERODROME | N ZEALAND |
| 47655 | C | OMAEZAKI | JAPAN | 82287 | C | PARNAIBA | BRAZIL |
| 44215 | C | OMNO-GOBI | MONGOLIA | 41759 | C | PASNI | PAKISTAN |
| 28698 | CT | OMSK | RUSSIAN FEDERATION | 87289 | C | PASO DE LOS LIBRES AERO | ARGENTINA |
| 47598 | C | ONAHAMA | JAPAN | 86460 | C | PASO DE LOS TOROS | URUGUAY |
| 91699 | C | ONO-I-LAU | FIJI | 42492 | T | PATNA | INDIA |
| 87016 | C | ORAN AERO | ARGENTINA | 82791 | C | PATOS | BRAZIL |
| 60461 | C | ORAN PORT | ALGERIA | 06610 | T | PAYERNE | SWITZERLAND |
| 60490 | C | ORAN/ES SENIA | ALGERIA | 12942 | C | PECS/POGANY | HUNGARY |
| 35121 | T | ORENBURG | RUSSIAN FEDERATION | 86097 | C | PEDRO JUAN CABALLERO | PARAGUAY |
| 01241 | CT | ORLAND | NORWAY | 87544 | C | PEHUAJO AERO | ARGENTINA |
| 72205 | C | ORLANDO/JETPORT,FL. | USA | 91554 | C | PEKOA AIRPORT (SANTO) | VANUATU |
| 40712 | C | ORUMIEH | IRAN, ISLAMIC REP | 48601 | CT | PENANG/BAYANLEPAS | MALAYSIA |
| 47772 | C | OSAKA | JAPAN | 72688 | C | PENDLETON,OR. | USA |
| 47122 | T | OSAN AB | REP KOREA | 72532 | C | PEORIA/GREATERPEORIA, IL. | USA |
| 10480 | C | OSCHATZ | GERMANY | 80210 | C | PEREIRA/MATECANA | COLOMBIA |

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| 87852 | C | PERITO MORENO AERO | ARGENTINA | 83971 | T | PORTO ALEGRE (AERO- PORTO) | BRAZIL |
| 07747 | C | PERPIGNAN | FRANCE | 83064 | C | PORTO NACIONAL | BRAZIL |
| 94610 | CT | PERTH AIRPORT | AUSTRALIA | 82825 | C | PORTO VELHO | BRAZIL |
| 41530 | C | PESHAWAR | PAKISTAN | 08546 | C | PORTO/SERRADO PILAR | PORTUGAL |
| 82983 | C | PETROLINA | BRAZIL | 87178 | C | POSADAS AERO. | ARGENTINA |
| 32540 | T | PETROPAVLOVSK-KAMCATSKIJ | RUSSIAN FEDERATION | 83332 | C | POSSE | BRAZIL |
| 72408 | C | PHILADELPHIA/INT.,PA. | USA | 10379 | C | POTSDAM | GERMANY |
| 48378 | C | PHITSANULOK | THAILAND | 12330 | C | POZNAN | POLAND |
| 72278 | C | PHOENIX/SKY HARBOR INTL, AZ. | USA | 48500 | C | PRACHUAPKHIRIKHAN | THAILAND |
| 48826 | C | PHU LIEN | VIET NAM | 11520 | CT | PRAHA-LIBUS | CZECH REP |
| 78970 | CT | PIARCO INT. AIRPORT, TRINIDAD | TRINIDAD AND TOBAGO | 11518 | C | PRAHA/RUZYNE | CZECH REP |
| 68174 | C | PIETERSBURG | SOUTH AFRICA | 16245 | T | PRATICA DI MARE | ITALY |
| 87679 | C | PIGUE AERO | ARGENTINA | 86065 | C | PRATS-GIL | PARAGUAY |
| 87349 | C | PILAR OBSERVATORIO | ARGENTINA | 68262 | C | PRETORIA | SOUTH AFRICA |
| 16158 | C | PISA/S. GIUSTO | ITALY | 11659 | C | PRIBYSLAV | CZECH REP |
| 84691 | C | PISCO | PERU | 11423 | C | PRIMDA | CZECH REP |
| 72520 | C | PITTSBURGH/GREATERPITT.,PA. | USA | 71869 | C | PRINCE ALBERT,SASK. | CANADA |
| 84401 | C | PIURA | PERU | 04390 | C | PRINS CHRISTIAN SUND | GREENLAND |
| 61990 | C | PLAISANCE (MAURITIUS) | MAURITIUS | 72507 | C | PROVIDENCE/GREENSTATE, RI. | USA |
| 07117 | C | PLOUMANACH | FRANCE | 80002 | C | PROVIDENCIA (ISLA)/EL EMBRUJ | COLOMBIA |
| 65518 | C | PO | BURKINAFASO | 84515 | C | PUCALLPA | PERU |
| 72578 | C | POCATELLO/NUM.,ID. | USA | 85574 | C | PUDAHUEL | CHILE |
| 13463 | C | PODGORICA-GRAD | YUGOSLAVIA | 80457 | C | PUERTO AYACUCHO | VENEZUELA |
| 61612 | C | PODOR | SENEGAL | 80139 | C | PUERTO CARRENO/A.GUAUQUEA | COLOMBIA |
| 47138 | CT | POHANG | REP KOREA | 86086 | C | PUERTO CASADO | PARAGUAY |
| 64400 | C | POINTE-NOIRE | CONGO | 87896 | C | PUERTO DESEADO AERO | ARGENTINA |
| 07335 | C | POITIERS | FRANCE | 78767 | C | PUERTO LIMON | COSTA RICA |
| 91348 | C | PONAPE, CAROLINE ISLANDS. | USA | 85799 | CT | PUERTO MONTT | CHILE |
| 71095 | C | POND INLET, N.W.T. | CANADA | 85934 | CT | PUNTA ARENAS | CHILE |
| 83702 | C | PONTA PORA | BRAZIL | 87596 | C | PUNTA INDIO B.A. | ARGENTINA |
| 43063 | C | POONA | INDIA | 70249 | C | PUNTILLA | USA |
| 11952 | T | POPRAD-GANOVCE | SLOVAKIA | 47159 | C | PUSAN | REP KOREA |
| 11934 | C | POPRAD/TATRY | SLOVAKIA | 56137 | C | QAMDO | CHINA |
| 80421 | C | PORLAMAR (AEROPUERTO INT. DE | VENEZUELA | 54857 | C | QINGDAO | CHINA |
| 43333 | CT | PORT BLAIR | INDIA | 50745 | C | QIQIHAR | CHINA |
| 68842 | CT | PORT ELIZABETH | SOUTH AFRICA | 41660 | C | QUETTA AIRPORT | PAKISTAN |
| 71109 | CT | PORT HARDY UA.,B.C. | CANADA | 80144 | C | QUIBDO/EL CARANO | COLOMBIA |
| 94312 | CT | PORT HEDLAND AIRPORT | AUSTRALIA | 72797 | C | QUILLA YUTE, WA. | USA |
| 71197 | C | PORT-AUX-BASQUES,NFLD. | CANADA | 82586 | C | QUIXERAMOBIM | BRAZIL |
| 61998 | CT | PORT-AUX-FRANCAIS (ILES KERG | OCEAN ISLANDS | 60135 | C | RABAT-SALE | MOROCCO |
| 64501 | C | PORT-GENTIL | GABON | 40362 | C | RAFHA | SAUDI ARABIA |
| 72698 | C | PORTLAND/INT.,OR. | USA | 72306 | C | RALEIGH/RALEIGH-DURHAMNC. | USA |
| 72606 | C | PORTLAND/INTNL JET PORT, ME | USA | 93994 | C | RAOUL ISLAND KERMADECIS. | N ZEALAND |
| 83967 | C | PORTO ALEGRE | BRAZIL | 91958 | CT | RAPA | FRENCH POLY. |

STATION LIST RECENT DATA

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|-------|----|-----------------------------|---------------------|-------|----|------------------------------|--------------------|
| 72662 | C | RAPID CITY/REGIONALAIRPORT, | USA | 44336 | C | SAIKHAN-OVOO | MONGOLIA |
| 91843 | C | RAROTONGA | COOK ISLANDS | 61980 | C | SAINT-DENIS/GILLOT(REUNION) | OCEAN ISLANDS |
| 82900 | CT | RECIFE (CURADO) | BRAZIL | 61600 | C | SAINT-LOUIS | SENEGAL |
| 87270 | C | RECONQUISTA AERO | ARGENTINA | 41316 | CT | SALALAH | OMAN |
| 07070 | C | REIMS | FRANCE | 08202 | C | SALAMANCA/MATACAN | SPAIN |
| 96171 | C | RENGAT/JAPURA | INDONESIA | 23330 | CT | SALEHARD | RUSSIAN FEDERATION |
| 07130 | C | RENNES | FRANCE | 72572 | C | SALT LAKE CITY/INTL.,UT. | USA |
| 72488 | C | RENO/INT.,NV. | USA | 87047 | C | SALTA AERO | ARGENTINA |
| 87155 | CT | RESISTENCIA AERO. | ARGENTINA | 76390 | C | SALTILLO,COAH | MEXICO |
| 71924 | T | RESOLUTEUA, N.W.T. | CANADA | 86360 | C | SALTO | URUGUAY |
| 04030 | C | REYKJAVIK | ICELAND | 83229 | CT | SALVADOR | BRAZIL |
| 85043 | C | RIBERALTA | BOLIVIA | 11150 | C | SALZBURG-FLUGHAFEN | AUSTRIA |
| 72401 | C | RICHMOND/BYRD,VA. | USA | 35925 | C | SAM | KAZAKHSTAN |
| 91948 | C | RIKITEA | FRENCH POLY. | 17030 | CT | SAMSUN | TURKEY |
| 44203 | C | RINCHINHUMBE | MONGOLIA | 80001 | C | SAN ANDRES (ISLA)/SESQUICENT | COLOMBIA |
| 82915 | C | RIO BRANCO | BRAZIL | 72263 | C | SAN ANGELO/MATHIS,TX. | USA |
| 87736 | C | RIO COLORADO | ARGENTINA | 80447 | C | SAN ANTONIO DEL TACHIRA | VENEZUELA |
| 87453 | C | RIO CUARTO AERO | ARGENTINA | 87784 | C | SAN ANTONIO OESTE AERO | ARGENTINA |
| 87925 | C | RIO GALLEGOS AERO | ARGENTINA | 72253 | C | SAN ANTONIO/INT.,TX. | USA |
| 80112 | C | RIONEGRO/J.M.CORDOVA | COLOMBIA | 72290 | C | SAN DIEGO/LINDBERGH,CA. | USA |
| 40438 | C | RIYADH | SAUDI ARABIA | 80450 | C | SAN FERNANDO DE APURE | VENEZUELA |
| 72411 | C | ROANOKE/MUN.,VA. | USA | 72494 | C | SAN FRANCISCO/INTL.,CA. | USA |
| 86565 | C | ROCHA | URUGUAY | 85104 | C | SAN JOAQUIN | BOLIVIA |
| 72644 | C | ROCHESTER/MUN.,MN. | USA | 87311 | C | SAN JUAN AERO | ARGENTINA |
| 72529 | C | ROCHESTER/R-MONROECTY.,NY. | USA | 80431 | C | SAN JUAN DE LOS MORROS | VENEZUELA |
| 94374 | C | ROCKHAMPTON AERO | AUSTRALIA | 78526 | C | SAN JUAN/INTL, PUERTO RICO | PUERTO RICO AND US |
| 61988 | C | RODRIGUES | MAURITIUS | 87909 | C | SAN JULIAN AERO | ARGENTINA |
| 06190 | C | ROENNE | DENMARK & FAROE IS. | 87436 | C | SAN LUIS AERO | ARGENTINA |
| 87480 | C | ROSARIO AERO | ARGENTINA | 86185 | C | SAN PEDRO | PARAGUAY |
| 03957 | C | ROSSLARE | IRELAND | 87509 | C | SAN RAFAEL AERO | ARGENTINA |
| 10170 | C | ROSTOCK-WARNEMUENDE | GERMANY | 08027 | C | SAN SEBASTIAN/IGUELDO | SPAIN |
| 89062 | C | ROTHERA POINT | U KINGDOM | 96491 | C | SANDAKAN | MALAYSIA |
| 91650 | C | ROTUMA | FIJI | 71101 | C | SANDSPIT,B.C. | CANADA |
| 07037 | C | ROUEN | FRANCE | 17270 | C | SANLIURFA | TURKEY |
| 51777 | C | RUOQIANG | CHINA | 85123 | C | SANTA ANA | BOLIVIA |
| 85141 | C | RURRENABAQUE | BOLIVIA | 60020 | C | SANTA CRUZ DE TENE- RIFE, CM | SPAIN |
| 28966 | C | RUZAEVKA | KAZAKHSTAN | 80462 | C | SANTA ELENA DE UAIREN | VENEZUELA |
| 96001 | C | SABANG/CUTBAU | INDONESIA | 08515 | C | SANTA MARIA (ACORES) | PORTUGAL |
| 71600 | CT | SABLE ISLAND,N.S. | CANADA | 80009 | C | SANTA MARTA/SIMON BOLIVAR | COLOMBIA |
| 72483 | C | SACRAMENTO/EXECUTIVECA. | USA | 87623 | CT | SANTA ROSA AERO | ARGENTINA |
| 06680 | C | SAENTIS | SWITZERLAND | 08023 | CT | SANTANDER | SPAIN |
| 42671 | C | SAGAR | INDIA | 87129 | C | SANTIAGO DEL ESTERO AERO. | ARGENTINA |
| 60536 | C | SAIDA | ALGERIA | 85577 | C | SANTIAGO QUINTA NORMAL | CHILE |
| 47740 | C | SAIGO | JAPAN | 82106 | C | SAO GABRIEL DA CACHOEIRA | BRAZIL |

STATION LIST RECENT DATA

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|-------|----|----------------------------|--------------------|-------|----|-----------------------------|--------------------|
| 82280 | C | SAO LUIZ | BRAZIL | 33946 | C | SIMFEROPOL' | UKRAINE |
| 83781 | C | SAO PAULO | BRAZIL | 48698 | CT | SINGAPORE/CHANGIAIRPORT | SINGAPORE |
| 47412 | CT | SAPPORO | JAPAN | 72557 | C | SIOUX CITY/MUN.,IA. | USA |
| 41594 | C | SARGODHA | PAKISTAN | 72651 | C | SIOUX FALLS/FOSS FIELD, SD. | USA |
| 72734 | C | SAULT STE. MARIE, MI. | USA | 71842 | C | SIOUX LOOKOUT,ONT. | CANADA |
| 97900 | C | SAUMLAKI | INDONESIA | 17090 | C | SIVAS | TURKEY |
| 72207 | C | SAVANNAH/MUNICIPAL,GA. | USA | 60355 | C | SKIKDA | ALGERIA |
| 48947 | C | SAVANNAKHET | LAO PDR | 71069 | C | SLAVE LAKE, ALTA | CANADA |
| 65335 | C | SAVE | BENIN | 11903 | C | SLIAC | SLOVAKIA |
| 48938 | C | SAYABOURY | LAO PDR | 71950 | C | SMITHERS,B.C. | CANADA |
| 71828 | C | SCHEFFERVILLE,QUE. | CANADA | 02836 | CT | SODANKYLA | FINLAND |
| 10035 | CT | SCHLESWIG | GERMANY | 15614 | CT | SOFIA (OBSERV.) | BULGARIA |
| 10162 | C | SCHWERIN | GERMANY | 65361 | C | SOKODE | TOGO |
| 98430 | C | SCIENCE GARDEN | PHILIPPINES | 91551 | C | SOLA (VANUA LAVA) | VANUATU |
| 72793 | C | SEATTLE/S.-TACOMA,WA. | USA | 48568 | C | SONGKHLA | THAILAND |
| 41256 | CT | SEEB, INTERNATIONALAIRPORT | OMAN | 11146 | C | SONNBLICK | AUSTRIA |
| 25703 | T | SEJMCHAN | RUSSIAN FEDERATION | 97502 | C | SORONG/JEFMAN | INDONESIA |
| 36177 | C | SEMIPALATINSK | KAZAKHSTAN | 16746 | C | SOUDA (AIRPORT) | GREECE |
| 48948 | C | SENO | LAO PDR | 60423 | C | SOUK AHRAS | ALGERIA |
| 47108 | C | SEOUL | REP KOREA | 72535 | C | SOUTH BEND/ST.JOSEPHCO.,IN. | USA |
| 71811 | T | SEPT-ILES UA,QUE. | CANADA | 72785 | C | SPOKANE/INT.,WA. | USA |
| 61976 | C | SERGE-FROLOW(ILE TROMELIN) | OCEAN ISLANDS | 68512 | CT | SPRINGBOK | SOUTH AFRICA |
| 60445 | C | SETIF | ALGERIA | 72439 | C | SPRINGFIELD/CAPITAL,IL. | USA |
| 08391 | C | SEVILLA/SANPABLO | SPAIN | 42027 | CT | SRINAGAR | INDIA |
| 63980 | C | SEYHELLESINT. AIRPORT | SEYHELLES | 61986 | C | ST. BRANDON(ST. RAPHAEL) | MAURITIUS |
| 58362 | CT | SHANGHAI | CHINA | 61901 | CT | ST. HELENA IS. | OCEAN ISLANDS |
| 03962 | C | SHANNON AIRPORT | IRELAND | 72434 | C | ST. LOUIS/LAMBERT,ST., MO. | USA |
| 59316 | C | SHANTOU | CHINA | 70308 | C | ST. PAUL | USA |
| 41136 | C | SHARURAH | SAUDI ARABIA | 26063 | C | ST. PETERBURG | RUSSIAN FEDERATION |
| 70414 | T | SHEMYA AFB | USA | 11028 | C | ST. POELTEN | AUSTRIA |
| 54342 | C | SHENYANG | CHINA | 71801 | T | ST.JOHN'S UA,NLFD | CANADA |
| 72666 | C | SHERIDAN/COUNTY,WY. | USA | 83997 | C | ST.VITORIA DO PALMAR | BRAZIL |
| 47898 | C | SHIMIZU | JAPAN | 01415 | CT | STAVANGER/SOLA | NORWAY |
| 47778 | CT | SHIONOMISAKI | JAPAN | 71815 | T | STEPHENVILLEUA,NFLD | CANADA |
| 40848 | C | SHIRAZ | IRAN, ISLAMIC REP | 72403 | T | STERLING, VA. | USA |
| 72248 | C | SHREVEPORT/REG.,LA. | USA | 80475 | C | STO.DOMINGO(B.A.) | VENEZUELA |
| 41600 | C | SIALKOT | PAKISTAN | 03026 | C | STORNOWAY | U KINGDOM |
| 26524 | C | SIAULIAI | LITHUANIA | 07190 | C | STRASBOURG | FRANCE |
| 15260 | C | SIBIU | ROMANIA | 10738 | C | STUTTGART-ECHTERDINGEN | GERMANY |
| 96073 | C | SIBOLGA/PINANGSORI | INDONESIA | 10739 | T | STUTTGART/SCHNARRENBURG | GERMANY |
| 96421 | C | SIBU | MALAYSIA | 15360 | C | SULINA | ROMANIA |
| 60520 | C | SIDI BEL ABBES | ALGERIA | 97260 | C | SUMBAWA BESAR/SUMBAWABESAR | INDONESIA |
| 17210 | C | SIIRT | TURKEY | 02365 | T | SUNDSVALL-HARNOSANDFPL | SWEDEN |
| 42619 | C | SILCHAR | INDIA | 24738 | C | SUNTAR | RUSSIAN FEDERATION |

STATION LIST RECENT DATA

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|-------|----|----------------------|--------------------|-------|----|------------------------------|---------------------|
| 41268 | C | SUR | OMAN | 04360 | C | TASIILAQ (AMASSALIK) | GREENLAND |
| 98653 | C | SURIGAO | PHILIPPINES | 47646 | T | TATENO | JAPAN |
| 47421 | C | SUTTSU | JAPAN | 96481 | CT | TAWAU | MALAYSIA |
| 01008 | C | SVALBARDLUFTHAVN | NORWAY | 40754 | C | TEHRAN-MEHRABAD | IRAN, ISLAMIC REP |
| 94767 | C | SYDNEY AIRPORT | AUSTRALIA | 96295 | C | TELUKBETUNG/BERANTI | INDONESIA |
| 23804 | T | SYKTYVKAR | RUSSIAN FEDERATION | 85743 | C | TEMUCO | CHILE |
| 89532 | CT | SYOWA | JAPAN N | 60410 | C | TENES | ALGERIA |
| 72519 | C | SYRACUSE/HANCOCK,NY. | USA | 56739 | C | TENGCHONG | CHINA |
| 12205 | C | SZCZECIN | POLAND | 94238 | C | TENNANTCREEK MET OFFICE | AUSTRALIA |
| 12982 | CT | SZEGED | HUNGARY | 83492 | C | TEOFILO OTONI | BRAZIL |
| 65380 | C | TABLIGBO | TOGO | 76373 | C | TEPEHUANES,DGO | MEXICO |
| 65592 | C | TABOU | COTE D'IVOIRE | 76556 | C | TEPIC,NAY | MEXICO |
| 40706 | C | TABRIZ | IRAN, ISLAMIC REP | 82578 | C | TERESINA | BRAZIL |
| 40375 | CT | TABUK | SAUDI ARABIA | 48946 | C | THAKHEK | LAO PDR |
| 98550 | C | TACLOBAN | PHILIPPINES | 71867 | CT | THE PAS, MAN. | CANADA |
| 84782 | C | TACNA | PERU | 16622 | C | THESSALONIKI/MIKRA | GREECE |
| 47133 | C | TAEJON | REP KOREA | 43371 | CT | THIRUVANANTHAPURAM | INDIA |
| 98644 | C | TAGBILARAN | PHILIPPINES | 71079 | C | THOMPSON WEATHER OFFICE-MAN. | CANADA |
| 83235 | C | TAGUATINGA | BRAZIL | 06011 | C | THORSHAVN | DENMARK & FAROE IS. |
| 91938 | CT | TAHITI-FAAA | FRENCH POLY. | 41314 | C | THUMRAIT | OMAN |
| 61043 | C | TAHOUA | NIGER | 60511 | C | TIARET | ALGERIA |
| 41036 | C | TAIF | SAUDI ARABIA | 61036 | C | TILLABERY | NIGER |
| 53772 | C | TAIYUAN | CHINA | 60607 | C | TIMIMOUN | ALGERIA |
| 47891 | C | TAKAMATSU | JAPAN | 15247 | C | TIMISOARA | ROMANIA |
| 91943 | C | TAKAROA | FRENCH POLY. | 02366 | C | TIMRA/MIDLANDA | SWEDEN |
| 70251 | C | TALKEETNA | USA | 60656 | C | TINDOUF | ALGERIA |
| 72214 | C | TALLAHASSEE/MUN.,FL. | USA | 03100 | C | TIREE | U KINGDOM |
| 26038 | C | TALLINN | ESTONIA | 60395 | C | TIZI-OUZOU | ALGERIA |
| 60680 | CT | TAMANRASSET | ALGERIA | 60531 | C | TLEMEN (ZENATA) | ALGERIA |
| 67095 | C | TAMATAVE | MADAGASCAR | 28275 | C | TOBOL'SK | RUSSIAN FEDERATION |
| 61687 | C | TAMBACOUNDA | SENEGAL | 47662 | C | TOKYO | JAPAN |
| 38413 | C | TAMDY | UZBEKISTAN | 72536 | C | TOLEDO/EXPRESS,OH. | USA |
| 72211 | C | TAMPA/INT.,FL. | USA | 76675 | C | TOLUCA,MEX | MEXICO |
| 76548 | C | TAMPICO, TAMPS | MEXICO | 76382 | C | TORREON,COAH. | MEXICO |
| 87645 | C | TANDIL AERO | ARGENTINA | 08238 | C | TORTOSA | SPAIN |
| 47837 | C | TANEGASHIMA | JAPAN | 44225 | C | TOSONTSENGEL | MONGOLIA |
| 60101 | C | TANGER(AERODROME) | MOROCCO | 60555 | C | TOUGGOURT | ALGERIA |
| 76903 | C | TAPACHULA,CHIS. | MEXICO | 07630 | C | TOULOUSE/BLAGNAC | FRANCE |
| 84455 | C | TARAPOTO | PERU | 94294 | CT | TOWNSVILLEAERO | AUSTRALIA |
| 91610 | T | TARAWA | KIRIBATI | 16429 | CT | TRAPANI/BIRGI | ITALY |
| 44230 | C | TARIALAN | MONGOLIA | 86500 | C | TREINTA Y TRES | URUGUAY |
| 23552 | C | TARKO-SALE | RUSSIAN FEDERATION | 87828 | C | TRELEW AERO | ARGENTINA |
| 26242 | C | TARTU | ESTONIA | 87688 | C | TRES ARROYOS | ARGENTINA |
| 38457 | C | TASHKENT | UZBEKISTAN | 83618 | C | TRES LAGOAS | BRAZIL |

STATION LIST RECENT DATA

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|-------|----|-----------------------------|--------------------|-------|----|-----------------------------|--------------------|
| 10609 | C | TRIER-PETRISBERG | GERMANY | 80472 | C | VALENCIA | VENEZUELA |
| 16110 | C | TRIESTE | ITALY | 08284 | C | VALENCIA/AEROPUERTO | SPAIN |
| 43418 | C | TRINCOMALEE | SRI LANKA | 03953 | CT | VALENTIAOBSERVATORY | IRELAND |
| 83650 | T | TRINDADE(ILHA) | BRAZIL | 80426 | C | VALERA | VENEZUELA |
| 01025 | C | TROMSO/LANGNES | NORWAY | 08141 | C | VALLADOLID | SPAIN |
| 84501 | C | TRUJILLO | PERU | 80434 | C | VALLE DE LA PASCUA | VENEZUELA |
| 91334 | C | TRUK,CAROLINEIS. | USA | 03302 | C | VALLEY | U KINGDOM |
| 44282 | C | TSETSERLEG | MONGOLIA | 17170 | C | VAN | TURKEY |
| 44347 | C | TSOGT-OVOO | MONGOLIA | 01098 | C | VARDO | NORWAY |
| 91954 | C | TUBUAI | FRENCHPOLY. | 15552 | C | VARNA | BULGARIA |
| 72274 | C | TUCSON/INT.,AZ. | USA | 83264 | C | VERA (GLEBA CELESTE) | BRAZIL |
| 87121 | C | TUCUMANA AERO | ARGENTINA | 42909 | C | VERAVAL | INDIA |
| 98233 | C | TUGUEGARAO | PHILIPPINES | 24266 | CT | VERHOJANSK | RUSSIAN FEDERATION |
| 76634 | C | TULANCINGO,HGO. | MEXICO | 89063 | C | VERNADSKY | UKRAINE |
| 67161 | C | TULEAR | MADAGASCAR | 16090 | C | VERONA/VILLA FRANCA | ITALY |
| 84370 | C | TUMBES | PERU | 72255 | C | VICTORIA/VICTORIAREG.,TX. | USA |
| 80453 | C | TUMEREMO | VENEZUELA | 87791 | C | VIEDMA AERO | ARGENTINA |
| 60715 | C | TUNIS-CARTHAGE | TUNISIA | 48940 | C | VIENTIANE | LAO PDR |
| 24507 | CT | TURA | RUSSIAN FEDERATION | 08045 | C | VIGO/PEINADOR | SPAIN |
| 40356 | C | TURAIIF | SAUDI ARABIA | 83208 | T | VILHENA (AEROPORTO) | BRAZIL |
| 38507 | C | TURKMENBASHI | TURKMENISTAN | 24641 | C | VILJUJSK | RUSSIAN FEDERATION |
| 02972 | C | TURKU | FINLAND | 60096 | C | VILLA CISNEROS | WESTERN SAHARA |
| 23472 | CT | TURUHANSK | RUSSIAN FEDERATION | 87244 | C | VILLA DE MARIA DEL RIO SECO | ARGENTINA |
| 48407 | T | UBON RATCHATHANI | THAILAND | 87328 | C | VILLA DOLORES AERO | ARGENTINA |
| 06447 | C | UCCLE | BELGIUM | 87448 | C | VILLA REYNOLDS AERO | ARGENTINA |
| 16045 | C | UDINE/RIVOLTO | ITALY | 11212 | C | VILLACHERALPE | AUSTRIA |
| 48354 | C | UDON THANI | THAILAND | 76743 | C | VILLAHERMOSA,TAB | MEXICO |
| 44214 | C | UIGI | MONGOLIA | 86233 | C | VILLARRICA | PARAGUAY |
| 97180 | C | UJUNG PANDANG/HASANUDDIN | INDONESIA | 80234 | C | VILLA VICENCIO/VANGUARDIA | COLOMBIA |
| 44292 | C | ULAAN-BAATOR | MONGOLIA | 26730 | C | VILNIUS | LITHUANIA |
| 44212 | C | ULAAN-GOM | MONGOLIA | 48845 | C | VINH | VIET NAM |
| 44272 | C | ULIATAI | MONGOLIA | 02590 | C | VISBY FLYGPLATS | SWEDEN |
| 47115 | C | ULLUNGDO | REP KOREA | 83648 | C | VITORIA | BRAZIL |
| 44304 | C | UNDERKHAAN | MONGOLIA | 83344 | C | VITORIA DA CONQUISTA | BRAZIL |
| 91652 | C | UNDU POINT | FIJI | 31960 | C | VLADIVOSTOK | RUSSIAN FEDERATION |
| 76225 | C | UNIV. DE CHIHUAHUA,CHIHUAHU | MEXICO | 27037 | C | VOLOGDA | RUSSIAN FEDERATION |
| 68424 | C | UPINGTON | SOUTH AFRICA | 22837 | C | VYTEGRA | RUSSIAN FEDERATION |
| 47426 | C | URAKAWA | JAPAN | 72256 | C | WACO,MADISON-COOPER,TX. | USA |
| 51463 | CT | URUMQI | CHINA | 03377 | C | WADDINGTON | U KINGDOM |
| 17188 | C | USAK | TURKEY | 41061 | C | WADI AL DAWASSER AIRPORT | SAUDI ARABIA |
| 87938 | C | USHUAIA AERO | ARGENTINA | 94910 | CT | WAGGA AIRPORT | AUSTRALIA |
| 25325 | C | UST'-OLOJ | RUSSIAN FEDERATION | 47600 | CT | WAJIMA | JAPAN |
| 61995 | T | VACOAS(MAURITIUS) | MAURITIUS | 47401 | CT | WAKKANAI | JAPAN |
| 85766 | C | VALDIVIA | CHILE | 12375 | C | WARSZAWA-OKECIE | POLAND |

STATION LIST RECENT DATA

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| 72405 | C | WASHINGTON/NAT.,VA. | USA |
| 40400 | C | WEJH | SAUDI ARABIA |
| 72203 | C | WEST PALM BEACH/INT.,FL. | USA |
| 10055 | CT | WESTERMARKELSDORF | GERMANY |
| 71964 | CT | WHITEHORSE,UA, Y.T. | CANADA |
| 72351 | C | WICHITA FALLS/SHEPS AFB TX | USA |
| 11035 | CT | WIEN/HOHEWARTE | AUSTRIA |
| 72513 | C | WILKES-BARRE-SCRANTONPA. | USA |
| 94776 | CT | WILLIAMTOWNAERODROME | AUSTRALIA |
| 94299 | C | WILLIS ISLAND | AUSTRALIA |
| 72767 | C | WILLISTON/SLOULINFIELD, ND. | USA |
| 72583 | C | WINNEMUCCA/MUN.,NV. | USA |
| 10474 | C | WITTENBERG | GERMANY |
| 12497 | C | WLODAWA | POLAND |
| 12425 | T | WROCLAWI | POLAND |
| 12424 | C | WROCLAWII | POLAND |
| 57036 | C | XI'AN | CHINA |
| 56571 | C | XICHANG | CHINA |
| 72781 | C | YAKIMA/YAKIMAAIR TERM.,WA. | USA |
| 70361 | CT | YAKUTAT | USA |
| 54292 | C | YANJI | CHINA |
| 91413 | C | YAP, CAROLINEIS. | USA |
| 71603 | CT | YARMOUTH,N.S. | CANADA |
| 40439 | C | YENBO | SAUDI ARABIA |
| 57461 | C | YICHANG | CHINA |
| 53614 | C | YINCHUAN | CHINA |
| 51431 | C | YINING | CHINA |
| 47744 | T | YONAGO | JAPAN |
| 47168 | C | YOSU | REP KOREA |
| 72525 | C | YOUNGSTOWN,OH. | USA |
| 98836 | C | ZAMBOANGA | PHILIPPINES |
| 44358 | C | ZAMYN-UUD | MONGOLIA |
| 81225 | C | ZANDERIJ | SURINAME |
| 08160 | C | ZARAGOZA/AEROPUERTO | SPAIN |
| 57083 | C | ZHENGZHOU | CHINA |
| 57745 | C | ZHIJIANG | CHINA |
| 41620 | C | ZHOB | PAKISTAN |
| 61090 | C | ZINDER | NIGER |
| 17022 | C | ZONGULDAK | TURKEY |
| 10961 | C | ZUGSPITZE | GERMANY |
| 06660 | C | ZURICH (TOWN/VILLE). | SWITZERLAND |
| 25400 | C | ZYRJANKA | RUSSIAN FEDERATION |

These and other publications are available from the National Climatic Data Center

Hourly Precipitation Data

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

Climatological Data

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

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

Storm Data

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

Monthly Climatic Data for the World

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

Local Climatological Data

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

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