



VOL. 61 NO. 12



ISSN 0027-0296

DECEMBER 2008

MONTHLY

CLIMATIC

DATA

FOR THE WORLD

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

**"I certify that this is an official publication of the National Oceanic and
Atmospheric Administration and is compiled from information received
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**Director
National Climatic Data Center**

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**National
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**National
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and Information Service**

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

PREFACE

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

REFERENCE NOTES

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

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

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

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

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

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

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

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

SURFACE DATA TABLES

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

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

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

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

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

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

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

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

UPPER AIR DATA TABLES

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

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

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

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

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Monthly Climatic Data for the World (ISSN-0027-0296) is published monthly by the National Climatic Data Center, National Environmental Satellite, Data, and Information Service, NOAA, Asheville, North Carolina, USA. Subscription, price, and ordering information is available from the:

**NCDC Subscription Services Center
310 State Route 956, Building 300
Rocket Center, WV 26726**

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|----------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| EUROPE | | | | | | | | | | | | | | | | |
| NORWAY | | | | | | | | | | | | | | | | |
| 01001 JAN MAYEN | 7056N | 00840W | 10 | | 1000.9 | 1002.1 | -8 | 4.4 | 4.7 | 1.0 | 12 | 76 | 11 | 4 | | |
| 01008 SVALBARD LUFTHAVN | 7815N | 01528E | 29 | | 999.4 | 1002.8 | -8.0 | 5.3 | 2.8 | .8 | 6 | 28 | 14 | 5 | | |
| 01025 TROMSO/LANGNES | 6941N | 01855E | 10 | | 1006.7 | 1007.8 | .0 | 2.7 | 4.8 | .6 | 12 | 71 | -34 | 2 | | |
| 01026 TROMSO | 6939N | 01856E | 115 | | 993.4 | 1007.7 | -2 | | 4.8 | | 12 | 85 | | 2 | 0 | |
| 01028 BJORNOYA | 7431N | 01901E | 16 | | 1001.4 | 1003.3 | -1.3 | 5.8 | 5.1 | 1.6 | 9 | 35 | 4 | 4 | | |
| 01098 VARDØ | 7022N | 03106E | 15 | | 1006.1 | 1007.9 | -1 | 3.6 | 5.3 | 1.2 | 12 | 52 | -1 | 3 | | |
| 01152 BODØ VI | 6716N | 01422E | 13 | | 1007.9 | 1009.5 | 1.7 | 2.9 | 5.1 | .6 | 15 | 76 | -24 | 2 | 0 | |
| 01212 ONA II | 6252N | 00632E | 15 | | 1010.2 | 1011.8 | 4.4 | | 6.4 | | 14 | 147 | | 3 | | |
| 01238 FOKSTUA II | 6207N | 00917E | 974 | | 897.9 | 1013.1 | -6.7 | | 3.2 | | 6 | 16 | | 2 | | |
| 01241 ORLAND III | 6342N | 00936E | 7 | | 1010.7 | 1011.9 | 2.0 | 1.5 | 5.6 | .2 | 9 | 45 | -68 | 1 | | |
| 01317 BERGEN/FLORIDA | 6023N | 00520E | 36 | | 1012.4 | 1013.9 | 2.9 | .3 | 5.8 | -.3 | 12 | 169 | -66 | 2 | | |
| 01384 OSLO/GARDERMOEN | 6012N | 01105E | 204 | | 990.6 | 1016.1 | -3.4 | 2.3 | 4.7 | .8 | 13 | 50 | -15 | 2 | | |
| 01403 UTSIRA FYR | 5918N | 00453E | 56 | | 1007.8 | 1014.6 | 4.5 | | 6.7 | | 11 | 77 | | 1 | | |
| 01415 STAVANGER/SOLA | 5853N | 00538E | 9 | | 1014.1 | 1015.2 | 2.9 | .7 | 6.2 | .0 | 10 | 69 | -41 | 2 | | |
| 01465 TORUNGEN FYR | 5824N | 00848E | 15 | | 1014.8 | 1016.2 | 2.2 | | 6.1 | | 8 | 55 | | 3 | | |
| SWEDEN | | | | | | | | | | | | | | | | |
| 02080 KARESUANDO | 6827N | 02227E | 331 | | 969.2 | 1010.6 | -9.1 | 4.9 | 3.3 | .9 | 10 | 42 | 18 | 4 | 0 | |
| 02120 KVIKKJOKK-ARRENJARKA | 6653N | 01801E | 320 | | 973.1 | 1012.7 | -10.0 | | 2.9 | | 12 | 41 | | 3 | | |
| 02128 GUNNARN | 6500N | 01742E | 283 | | 979.1 | 1014.7 | -7.9 | 3.2 | 3.4 | .5 | 11 | 56 | 19 | 5 | | |
| 02196 HAPARANDA | 6550N | 02409E | 6 | | 1012.5 | 1013.3 | -1.9 | 7.6 | 5.1 | 1.9 | 8 | 43 | 1 | 2 | 3 | |
| 02226 OSTERSUND FROSON | 6312N | 01430E | 376 | | 967.9 | 1014.5 | -4.6 | 1.5 | 4.0 | .3 | | | | | 29 | |
| 02366 TIMRA/MIDLANDA | 6231N | 01727E | 8 | | 1014.4 | 1015.0 | -3.8 | 2.9 | 4.5 | .8 | 10 | 64 | 12 | 5 | | |
| 02410 MALUNG | 6041N | 01342E | 308 | | 978.1 | 1016.7 | -5.8 | | 4.1 | | 14 | 68 | | 5 | | |
| 02418 KARLSTAD FLYGPLATS | 5927N | 01320E | 107 | | 1002.5 | 1016.0 | -1.2 | 1.7 | 5.4 | .5 | 11 | 56 | 8 | 4 | 36 | 84 |
| 02485 STOCKHOLM | 5921N | 01804E | 52 | | 1009.3 | 1015.8 | 1.5 | 2.5 | 6.3 | 1.2 | 13 | 50 | 4 | 4 | 36 | 109 |
| 02550 JONKOPING/AXAMO | 5745N | 01405E | 224 | | 988.4 | 1016.4 | .0 | 2.0 | 5.8 | .6 | 12 | 69 | 16 | 4 | | |
| 02590 VISBY | 5740N | 01821E | 51 | | 1010.3 | 1016.6 | 2.4 | 1.7 | 6.6 | .7 | 13 | 54 | 3 | 3 | 24 | 83 |
| FINLAND | | | | | | | | | | | | | | | | |
| 02801 KILPISJARVI | 6903N | 02047E | 478 | | 952.2 | 1011.6 | -8.9 | | 3.1 | | 10 | 64 | | 5 | | |
| 02805 KEVO | 6945N | 02702E | 107 | | 996.5 | 1009.9 | -7.7 | | 3.5 | | 5 | 15 | | 2 | 0 | |
| 02836 SODANKYLA | 6722N | 02639E | 179 | | 990.2 | 1012.7 | -4.1 | 9.0 | 4.3 | | 7 | 23 | -8 | 2 | 0 | |
| 02869 KUUSAMO | 6558N | 02911E | 263 | | 981.0 | 1014.2 | -3.7 | 7.8 | 4.4 | | | | | | | |
| 02875 OULU | 6456N | 02522E | 15 | | 1012.3 | 1014.1 | -1.4 | 6.8 | 5.2 | | | | | | 2 | |
| 02897 KAJAANI | 6417N | 02741E | 143 | | 998.7 | 1015.6 | -2.7 | 6.7 | 4.8 | | | | | | | |
| 02929 JOENSUU | 6240N | 02938E | 119 | | 1002.3 | 1017.3 | -2.2 | 6.0 | 5.0 | | | | | | | |
| 02935 JYVASKYLA | 6224N | 02541E | 145 | | 998.6 | 1016.4 | -1.5 | 5.7 | 5.4 | | 11 | 43 | -4 | 2 | 12 | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|-----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 02942 NIINISALO | 6151N | 02228E | 136 | | 1000.1 | 1015.8 | -5 | 5.1 | 5.7 | | 14 | 45 | -2 | 3 | | |
| 02963 JOKIOINEN | 6049N | 02330E | 104 | | 1003.5 | 1016.5 | -2 | 4.7 | 5.8 | | 11 | 43 | 1 | 3 | 10 | 37 |
| 02972 TURKU | 6031N | 02216E | 59 | | 1008.7 | 1016.2 | .4 | 4.0 | 6.0 | | | | | | | |
| 02974 HELSINKI-VANTAA | 6019N | 02458E | 56 | | 1010.4 | 1017.5 | .4 | 4.5 | 5.9 | | 11 | 54 | -4 | 3 | 13 | 48 |
| UNITED KINGDOM | | | | | | | | | | | | | | | | |
| 03005 LERWICK | 6008N | 00111W | 84 | | 1000.8 | 1010.9 | 4.8 | .9 | 7.4 | | 24 | 133 | -9 | 3 | 17 | 131 |
| 03026 STORNOWAY AIRPORT | 5813N | 00619W | 15 | | 1010.0 | 1011.7 | 4.9 | .1 | 7.7 | | 16 | 87 | -41 | 2 | 19 | 79 |
| 03066 KINLOSS | 5739N | 00334W | 7 | | 1012.5 | 1013.2 | 2.9 | -.9 | 6.4 | | 11 | 32 | -20 | 2 | 38 | 109 |
| 03091 DYCE | 5712N | 00213W | 69 | | 1005.5 | 1013.7 | 4.1 | .6 | 6.8 | | 12 | 107 | 34 | 5 | 38 | 90 |
| 03100 TIREE | 5630N | 00653W | 12 | | 1012.0 | 1013.7 | 5.9 | .0 | 8.0 | | 16 | 123 | 2 | 3 | 37 | 123 |
| 03162 ESKDALEMUIR | 5519N | 00312W | 242 | | 986.4 | 1016.6 | 1.9 | -.6 | 6.5 | | 16 | 152 | -13 | 3 | 47 | 124 |
| 03257 LEEMING | 5418N | 00132W | 40 | | 1012.1 | 1016.8 | 3.2 | -.8 | 6.9 | | 7 | 38 | -14 | 3 | 55 | 120 |
| 03302 VALLEY | 5315N | 00432W | 11 | | 1016.0 | 1017.3 | 5.6 | -.8 | 8.2 | | 11 | 68 | -26 | 2 | 63 | 129 |
| 03377 WADDINGTON | 5310N | 00031W | 70 | | 1008.5 | 1017.6 | 3.6 | -.3 | 7.1 | | 7 | 31 | -22 | 2 | 72 | 147 |
| 03502 ABERPORTH | 5208N | 00434W | 134 | | 1000.5 | 1018.1 | 5.4 | -.4 | 7.6 | | 12 | 68 | -27 | 2 | 74 | 157 |
| 03740 LYNEHAM | 5130N | 00159W | 147 | | 1000.8 | 1019.1 | 3.4 | -.9 | 7.4 | | 5 | 38 | -38 | 1 | 75 | 150 |
| 03797 MANSTON | 5121N | 00120E | 54 | | 1012.0 | 1018.2 | 4.4 | -.7 | 7.6 | | 7 | 25 | -24 | 2 | 90 | 176 |
| 03808 CAMBORNE | 5013N | 00519W | 88 | | 1007.9 | 1018.8 | 6.9 | | 8.1 | | 10 | 75 | | 1 | 66 | 125 |
| 03862 HURN | 5047N | 00150W | 11 | | 1017.5 | 1018.9 | 4.1 | -1.0 | 7.5 | | 7 | 45 | -45 | 1 | 82 | 144 |
| 03917 ALDERGROVE | 5439N | 00613W | 81 | | 1008.5 | 1016.5 | 4.5 | -.1 | 7.7 | | 12 | 53 | -25 | 2 | 55 | 145 |
| IRELAND | | | | | | | | | | | | | | | | |
| 03953 VALENTIA OBSERVATORY | 5156N | 01015W | 30 | | 1014.6 | 1018.2 | 8.0 | .0 | 8.6 | -.6 | 16 | 105 | -54 | 2 | 40 | 110 |
| 03955 CORK AIRPORT | 5151N | 00829W | 162 | | 998.3 | 1018.4 | 5.5 | -.7 | 8.2 | -.5 | 10 | 60 | -76 | 1 | 54 | 105 |
| 03962 SHANNON AIRPORT | 5242N | 00855W | 20 | | 1015.3 | 1017.7 | 5.8 | -.7 | 8.4 | -.2 | 13 | 75 | -24 | 2 | 48 | 105 |
| 03967 CASEMENT AERODROME | 5318N | 00626W | 97 | | 1005.8 | 1017.4 | 4.2 | | 7.9 | | 11 | 53 | | | 58 | 120 |
| 03969 DUBLIN AIRPORT | 5326N | 00615W | 85 | | 1006.7 | 1017.3 | 4.5 | -1.5 | 7.8 | -.3 | 10 | 39 | -37 | 1 | 59 | 115 |
| 03973 CONNAUGHT AIRPORT | 5354N | 00849W | 209 | | 991.0 | 1016.9 | 4.3 | | 7.9 | | 19 | 100 | | | 39 | |
| 03976 BELMULLET | 5414N | 01000W | 10 | | 1014.8 | 1016.0 | 6.8 | -.2 | 8.9 | .3 | 17 | 97 | -22 | 2 | 40 | 115 |
| 03980 MALIN HEAD | 5522N | 00720W | 25 | | 1011.9 | 1015.0 | 6.0 | -.6 | 7.8 | -.4 | 16 | 86 | -17 | 2 | 45 | 160 |
| ICELAND | | | | | | | | | | | | | | | | |
| 04018 KEFLAVIKURFLUGVOLLUR | 6358N | 02236W | 54 | | 993.0 | 1000.2 | 1.5 | | 5.4 | | 22 | 144 | | 4 | | |
| 04030 REYKJAVIK | 6408N | 02156W | 61 | | 993.0 | 1000.6 | 1.1 | 1.3 | 5.3 | .3 | 19 | 124 | 46 | 5 | 7 | |
| 04063 AKUREYRI | 6541N | 01805W | 27 | | 998.0 | 1002.0 | -3 | 1.6 | 4.7 | .1 | 10 | 43 | -9 | 2 | 0 | |
| 04082 AKURNES | 6418N | 01513W | 21 | | 1002.0 | 1003.3 | .5 | | 5.2 | | 13 | 145 | | 3 | | |
| GREENLAND | | | | | | | | | | | | | | | | |
| 04220 AASIAAT (EGEDSMINDE) | 6842N | 05251W | 43 | | | 999.5 | -9.1 | .7 | 2.3 | | 13 | 36 | 10 | | | |
| 04250 NUUK (GODTHAAB) | 6410N | 05145W | 84 | | | 999.0 | -7.0 | -.8 | 2.6 | | | | | | | |
| 04312 STATION NORD AWS | 8136N | 01641W | 36 | | | 1008.2 | -25.7 | 2.2 | .5 | | | | | | | |
| 04320 DANMARKSHAVN | 7646N | 01840W | 12 | | | 1006.7 | -19.0 | 2.8 | .9 | | 3 | 37 | 22 | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 04339 ITTOQQORTOORMIIT (SCORESBYSU) | 7029N | 02157W | 69 | | | 1003.5 | -9.4 | | 2.2 | | | | | | | |
| 04360 TASILAQ (AMMASSALIK) | 6536N | 03738W | 52 | | | 996.8 | -4.1 | 3.1 | 3.2 | | 13 | 143 | 37 | | | |
| 04390 PRINS CHRISTIAN SUND | 6003N | 04310W | 88 | | | 996.4 | -3.1 | .1 | 3.0 | | 14 | 152 | -94 | | | |
| DENMARK AND FAROE ISLANDS | | | | | | | | | | | | | | | | |
| 06011 TORSHAVN | 6201N | 00646W | 61 | | | 1007.1 | 5.0 | 1.2 | 7.0 | | 24 | 182 | 11 | | | |
| 06030 AALBORG | 5706N | 00951E | 13 | | | 1016.6 | 2.7 | 1.4 | 6.7 | | 5 | 19 | | | | |
| 06186 KOEBENHAVN/LANDBOHOEJSKOLEN | 5541N | 01233E | 7 | | | 1017.1 | 3.3 | | 6.8 | | 8 | 44 | | | | |
| 06190 ROENNE | 5504N | 01445E | 17 | | | 1017.4 | 3.7 | 1.4 | | | | | | | | |
| NETHERLANDS | | | | | | | | | | | | | | | | |
| 06235 DE KOOY | 5256N | 00447E | 2 | | 1017.6 | 1017.7 | 3.5 | -.7 | 7.0 | -.4 | 12 | 74 | -2 | 3 | 91 | 246 |
| 06260 DE BILT | 5206N | 00511E | 4 | | 1017.9 | 1018.2 | 2.4 | -.8 | 6.7 | -.4 | 7 | 24 | -59 | 1 | 85 | 198 |
| 06280 EELDE/GRONINGEN AP EELDE | 5307N | 00635E | 4 | | 1017.4 | 1017.9 | 2.0 | -.5 | 6.8 | -.2 | 7 | 28 | -47 | 1 | 80 | 242 |
| 06310 VLISSINGEN | 5127N | 00336E | 10 | | 1017.1 | 1018.1 | 3.6 | -1.0 | 7.4 | -.1 | 9 | 50 | -22 | 2 | 79 | 193 |
| LUXEMBOURG | | | | | | | | | | | | | | | | |
| 06590 LUXEMBOURG/LUXEMBOURG | 4937N | 00613E | 376 | | 972.7 | 1019.2 | .9 | | 6.0 | | 9 | 52 | -27 | 2 | 64 | 152 |
| SWITZERLAND & LIECHTENSTEIN | | | | | | | | | | | | | | | | |
| 06610 PAYERNE | 4649N | 00657E | 491 | | 960.0 | 1020.3 | .1 | | 5.5 | | 9 | 73 | | | 36 | 85 |
| 06660 ZUERICH-METEOSCHWEIZ | 4723N | 00834E | 569 | | 952.0 | 1020.0 | .5 | -.1 | 5.5 | .1 | 14 | 72 | -3 | 3 | 35 | 92 |
| 06680 SAENTIS | 4715N | 00921E | 2502 | | 746.1 | 2990 Z | -6.8 | -.3 | 2.7 | .2 | 12 | 235 | -11 | 3 | 113 | 94 |
| 06700 GENEVE-COINTRIN | 4615N | 00608E | 420 | | 968.8 | 1019.9 | 1.6 | -.2 | 5.6 | .0 | 8 | 118 | 36 | 4 | 51 | 121 |
| 06717 GRAND ST. BERNARD | 4552N | 00710E | 2479 | | 747.2 | 2993 Z | -7.6 | | 2.6 | | 19 | 184 | | | 19 | 65 |
| 06770 LUGANO | 4600N | 00858E | 276 | | 981.4 | 1018.3 | 4.0 | .4 | 6.4 | .9 | 14 | 160 | 95 | 5 | 85 | 73 |
| FRANCE | | | | | | | | | | | | | | | | |
| 07005 ABBEVILLE | 5008N | 00150E | 77 | | 1009.4 | 1019.0 | 3.2 | | 7.0 | | 6 | 54 | | | 68 | 140 |
| 07015 LILLE | 5034N | 00306E | 52 | | 1012.7 | 1018.6 | 3.0 | | 6.9 | | 7 | 32 | | 1 | 65 | 140 |
| 07020 LA HAGUE | 4943N | 00156W | 12 | | 1018.0 | 1018.9 | 7.7 | | 7.9 | | 10 | 74 | | | | |
| 07027 CAEN | 4911N | 00027W | 67 | | 1010.8 | 1019.1 | 4.3 | -1.0 | 7.4 | | 10 | 63 | -6 | 2 | 91 | 142 |
| 07037 ROUEN | 4923N | 00111E | 156 | | 1000.3 | 1019.2 | 2.9 | | 7.0 | | 10 | 47 | | | 64 | 130 |
| 07070 REIMS | 4918N | 00402E | 91 | | 1007.8 | 1019.2 | 2.1 | | 6.6 | | 7 | 26 | | | 51 | 105 |
| 07110 BREST | 4827N | 00425W | 99 | | 1007.6 | 1019.3 | 5.5 | -1.8 | 8.0 | | 10 | 85 | -55 | 2 | 100 | 159 |
| 07117 PLOUMANAC'H PERROS GUIREC | 4850N | 00328W | 58 | | 1012.0 | 1019.4 | 7.1 | | 8.4 | | 11 | 71 | | | | |
| 07130 RENNES | 4804N | 00144W | 43 | | 1014.0 | 1019.3 | 4.4 | | 7.2 | | 8 | 41 | | | 103 | 155 |
| 07139 ALENCON | 4826N | 00006E | 144 | | 1001.4 | 1019.3 | 3.2 | | 7.0 | | 6 | 48 | | | 75 | 145 |
| 07149 PARIS-ORLY | 4843N | 00223E | 90 | | 1008.0 | 1019.3 | 3.1 | | 6.9 | | 9 | 29 | | | | |
| 07168 TROYES | 4820N | 00401E | 118 | | 1004.5 | 1019.4 | 2.4 | | 6.7 | | 11 | 31 | | | 51 | |
| 07181 NANCY-OCHEY | 4835N | 00558E | 351 | | 977.2 | 1019.5 | 1.1 | | 6.3 | | 12 | 53 | | | | |
| 07190 STRASBOURG-ENTZHEIM | 4833N | 00738E | 153 | | 1000.5 | 1019.7 | 1.9 | .1 | 6.4 | | 9 | 24 | -15 | 2 | 39 | 93 |
| 07207 POINTE DU TALUT | 4718N | 00310W | 43 | | 1014.1 | 1019.4 | 7.1 | | 8.8 | | 8 | 50 | | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 07222 NANTES | 4709N | 00136W | 27 | | 1015.8 | 1019.1 | 4.9 | -1.0 | 7.7 | | 6 | 53 | -31 | 2 | 117 | 170 |
| 07240 TOURS | 4727N | 00044E | 112 | | 1004.9 | 1018.5 | 3.5 | | 7.1 | | 4 | 24 | | 1 | 85 | 160 |
| 07255 BOURGES | 4704N | 00222E | 166 | | 998.8 | 1019.4 | 3.2 | -.6 | 6.9 | | 8 | 48 | -15 | 2 | 61 | 103 |
| 07280 DIJON | 4716N | 00505E | 227 | | 991.6 | 1019.8 | 2.1 | .0 | 6.2 | | 7 | 55 | -7 | 2 | 62 | 117 |
| 07299 BALE-MULHOUSE | 4736N | 00731E | 271 | | 986.2 | 1020.0 | 1.4 | | 6.1 | | 9 | 66 | | | 40 | 65 |
| 07314 CHASSIRON | 4603N | 00125W | 22 | | 1016.0 | 1018.9 | 6.9 | | 8.5 | | 10 | 62 | | | | |
| 07335 POITIERS | 4635N | 00018E | 120 | | 1004.4 | 1019.5 | 3.7 | | 7.2 | | 3 | 21 | | 1 | 86 | 130 |
| 07434 LIMOGES | 4552N | 00111E | 402 | | 969.8 | 1018.9 | 3.4 | | 6.8 | | 10 | 61 | | | 80 | 90 |
| 07460 CLERMONT-FERRAND | 4547N | 00310E | 330 | | 979.3 | 1019.9 | 2.5 | | 6.3 | | 8 | 57 | | 5 | 60 | 75 |
| 07471 LE PUY | 4505N | 00346E | 833 | | 920.0 | 1463 Y | .2 | | 5.4 | | 9 | 88 | | | 50 | |
| 07481 LYON-SATOLAS | 4544N | 00505E | 248 | | 989.7 | 1019.4 | 2.9 | | 6.4 | | 8 | 38 | | | | |
| 07510 BORDEAUX MERIGNAC | 4450N | 00041W | 61 | | 1012.2 | 1018.9 | 5.6 | | 8.0 | | 8 | 74 | -24 | 2 | 81 | 95 |
| 07535 GOURDON | 4445N | 00124E | 261 | | 986.8 | 1018.9 | 4.1 | | 7.4 | | 11 | 92 | | | 92 | 100 |
| 07560 MONT AIGOUAL | 4407N | 00335E | 1567 | | 838.5 | 1456 Y | -1.9 | | 4.2 | | 14 | 296 | | | | |
| 07577 MONTELMAR | 4435N | 00444E | 74 | | 1008.9 | 1018.1 | 5.0 | | 7.0 | | 11 | 158 | | 5 | 83 | 80 |
| 07591 EMBRUN | 4434N | 00630E | 876 | | 913.9 | 1456 Y | 1.1 | | 4.4 | | 9 | 77 | | | 122 | 85 |
| 07607 MONT-DE-MARSAN | 4355N | 00030W | 60 | | 1011.7 | 1019.1 | 5.2 | | 8.2 | | 10 | 92 | | | 75 | 90 |
| 07621 TARBES-OSSUN | 4311N | 00000W | 364 | | 975.0 | 1019.2 | 5.2 | | 7.4 | | 12 | 65 | | | 86 | 80 |
| 07627 SAINT GIRONS | 4300N | 00106E | 412 | | 969.2 | 1019.1 | 4.5 | | 7.2 | | 15 | 81 | | | 92 | 85 |
| 07630 TOULOUSE BLAGNAC | 4338N | 00122E | 154 | | 999.6 | 1019.0 | 5.4 | | 7.7 | | 13 | 55 | 0 | 2 | 72 | 90 |
| 07643 MONTPELLIER | 4335N | 00358E | 8 | | 1016.2 | 1017.2 | 6.9 | | 7.1 | | 9 | 173 | | 5 | 130 | 95 |
| 07650 MARIGNANE | 4327N | 00514E | 32 | | 1011.8 | 1015.8 | 7.1 | | 7.4 | | 7 | 109 | 54 | 5 | 126 | 85 |
| 07661 CAP CEPET | 4305N | 00556E | 136 | | 998.5 | 1014.6 | 8.6 | | 8.4 | | 12 | 205 | | | | |
| 07690 NICE | 4339N | 00712E | 27 | | 1011.8 | 1015.2 | 8.6 | | 7.3 | | 10 | 203 | 126 | 5 | 142 | 90 |
| 07747 PERPIGNAN | 4244N | 00252E | 47 | | 1011.6 | 1017.3 | 8.1 | | 7.8 | | 9 | 207 | 153 | 5 | 120 | 80 |
| 07761 AJACCIO | 4155N | 00848E | 9 | | 1014.2 | 1015.3 | 9.4 | | 8.9 | | 11 | 96 | 21 | 2 | 102 | 75 |
| 07790 BASTIA | 4233N | 00929E | 12 | | 1013.7 | 1015.2 | 9.6 | | 9.0 | | 13 | 185 | | 5 | 119 | 85 |
| SPAIN | | | | | | | | | | | | | | | | |
| 08001 LA CORUNA | 4322N | 00825W | 67 | | 1010.6 | 1018.8 | 10.9 | .0 | 10.1 | -.4 | 14 | 133 | 6 | 4 | 108 | 117 |
| 08015 OVIEDO | 4321N | 00552W | 339 | | 977.8 | 1018.6 | 7.4 | -1.5 | 9.0 | .4 | 13 | 178 | 87 | 6 | 100 | 94 |
| 08023 SANTANDER | 4329N | 00348W | 59 | | 1011.7 | 1018.9 | 9.7 | -.8 | 9.9 | .4 | 17 | 196 | 55 | 4 | 71 | 87 |
| 08025 BILBAO/SONDICA | 4318N | 00254W | 42 | | 1014.6 | 1019.4 | 8.8 | | 9.1 | | 16 | 157 | | 4 | 63 | 85 |
| 08027 SAN SEBASTIAN/IGUELDO | 4318N | 00202W | 259 | | 987.0 | 1018.4 | 7.6 | -1.0 | 9.0 | .4 | 17 | 220 | 56 | 4 | 69 | 84 |
| 08045 VIGO/PEINADOR | 4214N | 00838W | 256 | | 988.5 | 1019.8 | 8.5 | -.2 | 9.0 | -.8 | 15 | 208 | -61 | 3 | 142 | 151 |
| 08048 ORENSE | 4220N | 00752W | 147 | | 1001.3 | 1019.3 | 7.9 | | 9.0 | | 9 | 79 | | 3 | 76 | 100 |
| 08053 PONFERRADA | 4234N | 00636W | 550 | | 954.9 | 1021.2 | 4.3 | | 7.1 | | 12 | 82 | | 4 | 72 | 110 |
| 08055 LEON/VIRGEN DEL CAMINO | 4235N | 00539W | 916 | | 912.5 | 1019.8 | 3.9 | | 6.3 | | 9 | 43 | | 3 | 160 | 130 |
| 08075 BURGOS/VILLAFRIA | 4221N | 00338W | 890 | | 914.7 | 1486 Y | 4.0 | .8 | 7.0 | .0 | 11 | 71 | 23 | 4 | 89 | 116 |
| 08084 LOGRONO/AGONCILLO | 4227N | 00220W | 363 | | 975.8 | 1019.7 | 6.2 | -.1 | 7.7 | .2 | 10 | 69 | 39 | 6 | 69 | 70 |
| 08085 PAMPLONA/NOAIN | 4246N | 00138W | 459 | | 964.9 | 1019.6 | 5.2 | | 7.4 | | 14 | 70 | | 3 | 51 | 55 |
| 08130 ZAMORA | 4131N | 00544W | 667 | | 941.2 | 1020.9 | 4.2 | | 6.9 | | 8 | 46 | | 4 | | |
| 08141 VALLADOLID | 4139N | 00446W | 735 | | 932.4 | 1019.8 | 3.8 | -.5 | 7.0 | -.2 | 8 | 58 | 15 | 4 | 105 | 127 |
| 08148 SORIA | 4146N | 00228W | 1082 | | 893.2 | 1018.9 | 3.6 | | 5.9 | | 9 | 56 | | 4 | | |
| 08160 ZARAGOZA/AEROPUERTO | 4140N | 00100W | 263 | | 987.6 | 1019.0 | 6.3 | -.2 | 7.4 | -.2 | 5 | 27 | 6 | 4 | 99 | 81 |
| 08171 LERIDA | 4138N | 00036E | 199 | | 994.4 | 1018.9 | 5.4 | | 7.5 | | 7 | 28 | | 4 | 84 | 85 |

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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. |
| 08175 REUS/AEROPUERTO | 4109N | 00110E | 76 | | 1007.3 | 1016.6 | 7.5 | | 7.0 | | 6 | 49 | | 4 | 135 | 85 |
| 08181 BARCELONA/AEROPUERTO | 4117N | 00204E | 6 | | 1015.8 | 1016.5 | 8.7 | -1.0 | 7.4 | -1.3 | 8 | 59 | 10 | 4 | | |
| 08184 GERONA/COSTA BRAVA | 4154N | 00246E | 143 | | 1000.7 | 1016.5 | 6.5 | -1.2 | 7.5 | -1.0 | 9 | 89 | 43 | 5 | 123 | 88 |
| 08202 SALAMANCA/MATACAN | 4057N | 00530W | 794 | | 926.6 | 1020.9 | 2.9 | -1.2 | 6.7 | -8 | 8 | 46 | 12 | 4 | 103 | 103 |
| 08215 NAVACERRADA | 4047N | 00401W | 1894 | | 809.3 | 1494 Y | -6 | | 4.5 | | 17 | 172 | | 3 | 72 | 75 |
| 08221 MADRID/BARAJAS | 4030N | 00335W | 633 | | 950.4 | 1019.8 | 6.0 | .1 | 6.9 | -5 | 6 | 38 | -5 | 3 | 125 | 103 |
| 08231 CUENCA | 4004N | 00208W | 946 | | 908.4 | 1484 Y | 4.8 | | 6.5 | | 7 | 40 | | 3 | 118 | 100 |
| 08235 TERUEL | 4021N | 00107W | 902 | | 913.5 | | 3.3 | | 6.1 | | 2 | 13 | | | | |
| 08238 TORTOSA | 4049N | 00030E | 50 | | 1010.1 | 1016.2 | 9.6 | -9 | 8.3 | -3 | 5 | 47 | 5 | 4 | 135 | 87 |
| 08261 CACERES | 3928N | 00620W | 405 | | 972.8 | 1021.4 | 8.2 | -2 | 8.3 | -4 | 8 | 39 | -31 | 3 | 137 | 105 |
| 08272 TOLEDO | 3953N | 00403W | 516 | | 957.9 | 1019.6 | 6.7 | | 7.5 | | 6 | 52 | | 4 | 143 | 115 |
| 08280 ALBACETE/LOS LLANOS | 3857N | 00151W | 704 | | 936.7 | 1020.3 | 5.3 | .0 | 7.3 | -2 | 6 | 37 | 7 | 4 | 124 | 91 |
| 08284 VALENCIA/AEROPUERTO | 3930N | 00028W | 69 | | 1010.0 | 1017.6 | 8.6 | -1.9 | 7.2 | -1.8 | 3 | 67 | 26 | 4 | 167 | 104 |
| 08286 CASTELLON | 3957N | 00004W | 35 | | 1012.3 | 1016.6 | 10.3 | | 7.7 | | 4 | 39 | | | | |
| 08301 PALMA DE MALLORCA | 3933N | 00237E | 6 | | 1015.4 | 1016.1 | 11.7 | | 11.1 | | 8 | 83 | | 5 | 153 | 95 |
| 08306 PALMA DE MALLORCA/SON SAN JU | 3933N | 00244E | 7 | | 1016.2 | 1016.8 | 9.9 | -6 | 10.0 | -4 | 8 | 72 | 28 | 5 | 145 | 100 |
| 08314 MENORCA/MAHON | 3952N | 00414E | 89 | | 1005.7 | 1016.1 | 10.5 | -1.3 | 10.2 | -9 | 12 | 81 | 7 | 4 | 109 | 81 |
| 08330 BADAJOZ/TALavera LA REAL | 3853N | 00650W | 192 | | 996.4 | 1019.7 | 8.9 | -1 | 9.4 | -5 | 7 | 32 | -30 | 2 | 112 | 83 |
| 08348 CIUDAD REAL | 3859N | 00355W | 629 | | 946.2 | 1021.0 | 6.1 | .2 | 7.7 | -4 | 8 | 38 | -14 | 2 | | |
| 08359 ALICANTE | 3822N | 00030W | 82 | | 1007.7 | 1017.7 | 11.1 | -1.0 | 9.4 | -1 | 1 | 5 | -28 | 2 | 166 | 99 |
| 08360 ALICANTE/EL ALTET | 3817N | 00033W | 43 | | 1014.0 | 1017.8 | 10.3 | | 7.6 | | 1 | 2 | | | 151 | |
| 08373 IBIZA/ES CODOLA | 3853N | 00123E | 17 | | 1014.8 | 1017.0 | 10.8 | -1.9 | 10.5 | -6 | 7 | 80 | 25 | 4 | 135 | 87 |
| 08383 HUELVA | 3717N | 00655W | 20 | | 1018.4 | 1020.7 | 11.1 | | 11.3 | | 7 | 35 | | 3 | 158 | 100 |
| 08391 SEVILLA/SAN PABLO | 3725N | 00554W | 34 | | 1015.4 | 1019.2 | 10.7 | | 10.0 | | 10 | 39 | | 3 | 139 | 85 |
| 08410 CORDOBA/AEROPUERTO | 3751N | 00451W | 92 | | 1008.2 | 1019.5 | 8.8 | -9 | 9.0 | -9 | 7 | 46 | -38 | 2 | 102 | 65 |
| 08417 JAEN | 3747N | 00348W | 582 | | 952.2 | 1021.0 | 8.1 | | 7.2 | | 8 | 38 | | | | |
| 08419 GRANADA/AEROPUERTO | 3711N | 00347W | 570 | | 952.3 | 1020.5 | 5.9 | | 7.3 | | 7 | 61 | | 4 | 133 | 85 |
| 08430 MURCIA | 3800N | 00110W | 62 | | 1011.3 | 1018.8 | 10.4 | | 8.2 | | 1 | 6 | | 1 | | |
| 08433 MURCIA/SAN JAVIER | 3747N | 00048W | 5 | | 1017.7 | 1018.1 | 10.1 | -1.2 | 8.2 | -2.3 | 2 | 5 | -32 | 2 | 150 | 103 |
| 08451 JEREZ DE LA FRONTERA AEROPUE | 3645N | 00604W | 28 | | 1016.5 | 1019.9 | 9.4 | -2.0 | 9.9 | -1.6 | 12 | 49 | -57 | 2 | 113 | 68 |
| 08482 MALAGA/AEROPUERTO | 3640N | 00429W | 16 | | 1018.4 | 1019.2 | 12.0 | -6 | 9.6 | -1.0 | 6 | 25 | -72 | 2 | 158 | 97 |
| 08487 ALMERIA/AEROPUERTO | 3651N | 00223W | 21 | | 1015.5 | 1018.1 | 12.3 | -1.0 | 9.1 | -1.7 | 2 | 30 | 10 | 4 | 181 | 101 |
| | | | | | | | | | | | | | | | | |
| GIBRALTAR | | | | | | | | | | | | | | | | |
| 08495 GIBRALTAR | 3609N | 00521W | 5 | | 1018.7 | 1019.3 | 12.8 | | | | 9 | 176 | | 5 | 120 | 120 |
| | | | | | | | | | | | | | | | | |
| PORTUGAL | | | | | | | | | | | | | | | | |
| 08501 FLORES (ACORES) | 3927N | 03108W | 29 | | 1016.9 | 1020.8 | 16.3 | | 13.8 | | 17 | 252 | | 4 | 76 | 120 |
| 08509 LAJES (ACORES) | 3846N | 02706W | 54 | | 1016.3 | 1022.7 | 15.7 | | 13.9 | | 12 | 99 | | 2 | 87 | 100 |
| 08512 PONTA DELGADA/NORDELA (ACORE) | 3744N | 02542W | 72 | | 1014.0 | 1023.6 | 15.6 | | 13.3 | | 12 | 53 | | 1 | | |
| 08535 LISBOA/GEOF | 3843N | 00909W | 95 | | 1007.8 | 1019.3 | 11.4 | -4 | 11.5 | .3 | 12 | 127 | 19 | 4 | 145 | 102 |
| 08548 COIMBRA/CERNACHE | 4009N | 00828W | 179 | | 998.9 | 1019.8 | 9.3 | | 9.3 | | 14 | 16 | | | 132 | |
| 08558 EVORA/C. COORD | 3832N | 00754W | 246 | | 990.1 | 1020.0 | 8.6 | | 10.2 | | 10 | 51 | | | 129 | |
| 08570 CASTELO BRANCO | 3950N | 00729W | 386 | | 973.4 | 1019.9 | 8.2 | | 9.9 | | 10 | 76 | | | 151 | |
| 08575 BRAGANCA | 4148N | 00644W | 692 | | 936.0 | 1018.8 | 5.1 | .1 | 7.6 | .0 | 11 | 69 | -29 | 3 | 139 | 134 |

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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. |
| GERMANY | | | | | | | | | | | | | | | | |
| 10015 HELGOLAND | 5411N | 00754E | 8 | | 1016.5 | 1017.5 | 4.6 | | 7.3 | | 8 | 36 | | 1 | 32 | 75 |
| 10028 ST PETER-ORDING | 5420N | 00836E | 11 | | 1016.2 | 1017.6 | 2.6 | | 7.0 | | 5 | 25 | | | 43 | 130 |
| 10035 SCHLESWIG | 5432N | 00933E | 48 | | 1011.5 | 1017.5 | 2.5 | .8 | 6.9 | .4 | 7 | 30 | -58 | 1 | 26 | 67 |
| 10055 WESTERMARKELSDORF | 5432N | 01104E | 9 | | 1016.4 | 1017.5 | 3.5 | | 7.0 | | 10 | 41 | | | 23 | 55 |
| 10091 ARKONA | 5441N | 01326E | 42 | | 1011.9 | 1017.1 | 3.2 | | 7.0 | | 7 | 38 | | | 37 | 95 |
| 10113 NORDERNEY | 5343N | 00709E | 16 | | 1015.6 | 1017.6 | 2.8 | | 6.9 | | 6 | 27 | | | 70 | 180 |
| 10129 BREMERHAVEN | 5332N | 00835E | 11 | | 1016.6 | 1018.0 | 2.5 | | 6.9 | | 8 | 27 | | | 51 | 155 |
| 10131 CUXHAVEN | 5352N | 00842E | 12 | | 1016.2 | 1017.7 | 2.8 | | 6.9 | | 5 | 13 | | | 40 | 100 |
| 10142 ITZEHOE | 5359N | 00934E | 26 | | 1014.6 | 1017.8 | 2.8 | | 7.0 | | 6 | 25 | | | 40 | |
| 10147 HAMBURG-FUHLISBUETTEL | 5338N | 00959E | 16 | | | 1018.0 | 2.7 | .8 | 6.8 | .3 | 9 | 25 | -47 | 1 | 31 | 89 |
| 10161 BOLTENHAGEN | 5400N | 01112E | 17 | | 1015.8 | 1017.8 | 2.9 | | 6.9 | | 10 | 40 | | | 26 | 70 |
| 10162 SCHWERIN | 5339N | 01123E | 68 | | 1009.3 | 1017.8 | 2.2 | | 6.7 | | 10 | 44 | | 3 | 40 | 110 |
| 10170 ROSTOCK-WARNEMUENDE | 5411N | 01205E | 10 | | 1016.1 | 1017.7 | 2.9 | 1.0 | 6.8 | .4 | 10 | 55 | 7 | 4 | 28 | 78 |
| 10184 GREIFSWALD | 5406N | 01324E | 6 | | 1016.9 | 1017.6 | 2.2 | | 6.7 | | 11 | 36 | | | 28 | 70 |
| 10200 EMDEN-FLUGPLATZ | 5323N | 00714E | 5 | | 1017.8 | 1018.0 | 1.9 | | 6.8 | | 7 | 31 | | | 63 | 170 |
| 10215 OLDENBURG | 5311N | 00810E | 20 | | 1016.6 | 1017.9 | 2.0 | | 6.8 | | 7 | 20 | | | 49 | 165 |
| 10224 BREMEN | 5303N | 00848E | 5 | | 1017.6 | 1018.2 | 2.1 | | 6.5 | | 4 | 9 | | 0 | 54 | 150 |
| 10261 SEEHAUSEN | 5254N | 01144E | 23 | | 1015.5 | 1018.5 | 1.9 | | 6.5 | | 9 | 44 | | | 30 | 90 |
| 10264 MARNITZ | 5319N | 01156E | 87 | | 1007.3 | 1018.2 | 1.7 | | 6.4 | | 8 | 53 | | | 28 | |
| 10270 NEURUPPIN | 5254N | 01249E | 45 | | 1012.7 | 1018.4 | 1.9 | | 6.5 | | 8 | 40 | | 3 | 32 | 110 |
| 10291 ANGERMUENDE | 5302N | 01400E | 55 | | 1011.4 | 1018.3 | 1.6 | | 6.3 | | 9 | 31 | | | 24 | 65 |
| 10305 LINGEN | 5231N | 00718E | 26 | | 1015.1 | 1018.4 | 2.0 | | 6.7 | | 7 | 17 | | | 77 | 210 |
| 10315 MUENSTER/OSNABRUECK | 5208N | 00742E | 53 | | 1011.7 | 1018.4 | 1.9 | | 6.5 | | 9 | 26 | | | 66 | 165 |
| 10321 DIEPHOLZ | 5235N | 00821E | 43 | | 1012.8 | 1018.3 | 1.7 | | 6.6 | | 7 | 13 | | | 53 | |
| 10338 HANNOVER | 5228N | 00941E | 59 | | 1010.9 | 1018.4 | 2.0 | .1 | 6.4 | -.1 | 5 | 13 | -47 | 1 | 56 | 165 |
| 10361 MAGDEBURG | 5206N | 01135E | 85 | | 1008.2 | 1018.9 | 1.9 | | 6.3 | | 4 | 27 | | 2 | 42 | 100 |
| 10379 POTSDAM | 5223N | 01304E | 100 | | 1006.1 | 1018.6 | 1.4 | .7 | 6.5 | .5 | 9 | 37 | -18 | 2 | 39 | 100 |
| 10382 BERLIN-TEGEL | 5234N | 01319E | 37 | | 1014.0 | 1018.6 | 2.2 | | 6.3 | | 8 | 33 | | | 34 | 95 |
| 10384 BERLIN-TEMPELHOF | 5228N | 01324E | 50 | | 1012.6 | 1018.7 | 2.0 | | 6.3 | | 8 | 35 | | | 36 | 100 |
| 10385 BERLIN-SCHOENEFELD | 5223N | 01332E | 48 | | 1012.3 | 1018.7 | 1.6 | | 6.3 | | 9 | 29 | | | 39 | |
| 10393 LINDENBERG | 5213N | 01407E | 112 | | 1005.6 | 1018.6 | 1.9 | 1.5 | 6.4 | .5 | 9 | 31 | -19 | 2 | 43 | 116 |
| 10400 DUESSELDORF | 5118N | 00646E | 45 | | 1013.7 | 1018.8 | 2.4 | | 6.4 | | 11 | 42 | | 2 | 60 | 140 |
| 10410 ESSEN-BREDENEY | 5124N | 00658E | 161 | | 1000.3 | 1019.0 | 2.1 | -.8 | 6.6 | -.1 | 10 | 58 | -32 | 2 | 60 | 158 |
| 10418 LUEDENSCHEID | 5115N | 00739E | 392 | | 970.6 | 1019.0 | .4 | | 5.9 | | 12 | 76 | | | 59 | |
| 10427 KAHLER ASTEN | 5111N | 00829E | 859 | | 915.6 | 1446 Y | -1.8 | | 5.1 | | 11 | 81 | | | 64 | 155 |
| 10430 BAD LIPPSPRINGE | 5147N | 00850E | 158 | | 999.1 | 1018.8 | 1.8 | | 6.2 | | 11 | 44 | | | 47 | 120 |
| 10444 GOETTINGEN | 5130N | 00957E | 175 | | 998.0 | 1018.8 | 1.6 | | 6.2 | | 6 | 22 | | | 44 | 125 |
| 10453 BROCKEN | 5148N | 01037E | 1153 | | 881.6 | 1440 Y | -2.5 | | 4.3 | | 19 | 144 | | | 80 | 150 |
| 10460 ARTERN | 5123N | 01118E | 166 | | 998.3 | 1019.0 | 1.1 | | 6.2 | | 4 | 33 | | | 20 | 65 |
| 10469 LEIPZIG-SCHKEUDITZ | 5126N | 01214E | 141 | | 1002.0 | 1019.0 | 1.4 | | 6.2 | | 8 | 32 | | 2 | 49 | 130 |
| 10488 DRESDEN-KLOTZSCHE | 5108N | 01345E | 232 | | 990.3 | 1019.1 | 1.8 | | 6.1 | | 9 | 40 | | | 50 | 105 |
| 10496 COTTBUS | 5146N | 01419E | 70 | | 1009.9 | 1018.6 | 1.8 | | 6.1 | | 10 | 41 | | | 34 | 80 |
| 10499 GOERLITZ | 5110N | 01457E | 240 | | 989.5 | 1019.3 | 1.6 | 1.4 | 6.1 | .5 | 10 | 38 | -19 | 2 | 45 | 100 |
| 10501 AACHEN | 5047N | 00606E | 205 | | 993.4 | 1018.9 | 2.2 | | 6.6 | | 13 | 53 | | | 73 | 150 |

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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. |
| 10506 NUERBURG-BARWEILER | 5022N | 00652E | 488 | | 959.5 | 1019.2 | -2 | | 5.8 | | 10 | 38 | | | 61 | |
| 10513 KOELN/BONN | 5052N | 00710E | 100 | | 1006.7 | 1019.2 | 2.0 | | 6.5 | | 11 | 56 | | | 57 | 130 |
| 10526 BAD MARIENBERG | 5040N | 00758E | 555 | | 951.2 | 1019.1 | -.5 | | 5.7 | | 12 | 67 | | | 56 | 165 |
| 10532 GIESSEN | 5035N | 00842E | 195 | | 996.9 | 1021.5 | 11.3 | | 10.3 | | 6 | 55 | | | 66 | 45 |
| 10544 WASSERKUPPE | 5030N | 00957E | 925 | | 908.1 | 1447 Y | -2.1 | | 4.8 | | 16 | 95 | | | 63 | 120 |
| 10548 MEININGEN | 5034N | 01023E | 453 | | 963.8 | 1019.6 | -2 | | 5.6 | | 12 | 54 | | 3 | 55 | 180 |
| 10554 ERFURT-BINDERSLEBEN | 5059N | 01058E | 322 | | 979.5 | 1019.4 | .2 | | 5.7 | | 5 | 32 | | | 25 | 60 |
| 10557 NEUHAUS A.R. | 5030N | 01108E | 851 | | 916.6 | 1445 Y | -2.3 | | 5.1 | | 14 | 109 | | | 42 | |
| 10567 GERA-LEUMNITZ | 5053N | 01208E | 312 | | 980.7 | 1019.4 | .3 | | 5.8 | | 10 | 45 | | | 48 | 95 |
| 10577 CHEMNITZ | 5048N | 01252E | 420 | | 967.8 | 1019.1 | .9 | | 5.8 | | 12 | 55 | | | 51 | 110 |
| 10578 FICHTELBERG | 5026N | 01257E | 1215 | | 874.9 | 1442 Y | -3.7 | .2 | 4.5 | .2 | 17 | 128 | 26 | 4 | 56 | 98 |
| 10582 ZINNWALD-GEORGENFELD | 5044N | 01345E | 882 | | 913.1 | 1445 Y | -2.8 | | 5.0 | | 13 | 85 | | | 28 | 85 |
| 10609 TRIER-PETRISBERG | 4945N | 00640E | 273 | | 985.5 | 1019.4 | 1.1 | -.7 | 6.2 | -.2 | 11 | 43 | -29 | 2 | 48 | 120 |
| 10637 FRANKFURT/M-FLUGHAFEN | 5063N | 00836E | 113 | | 1005.3 | 1019.5 | 1.9 | | 6.2 | | 8 | 34 | | 2 | 51 | 130 |
| 10648 MICHELSTADT-VIELBRUNN | 4943N | 00906E | 455 | | 963.4 | 1019.3 | .0 | | 5.9 | | 9 | 48 | | | 48 | 120 |
| 10655 WUERZBURG | 4946N | 00958E | 272 | | 986.0 | 1019.7 | 1.3 | | 6.1 | | 12 | 38 | | | 50 | 125 |
| 10658 BAD KISSINGEN | 5014N | 01005E | 282 | | 984.5 | 1019.5 | .8 | | 6.0 | | 9 | 44 | | | 56 | 180 |
| 10685 HOF | 5019N | 01153E | 568 | | 950.3 | 1019.7 | -.5 | | 5.6 | | 11 | 41 | | 2 | 33 | 85 |
| 10688 WEIDEN | 4940N | 01211E | 439 | | 966.2 | 1019.9 | .3 | | 5.7 | | 11 | 48 | | | 48 | 120 |
| 10708 SAARBRUECKEN/ENSHEIM | 4913N | 00707E | 322 | | 979.8 | 1019.4 | .8 | | 6.1 | | 11 | 67 | | | 57 | 130 |
| 10729 MANNHEIM | 4931N | 00833E | 100 | | 1007.2 | 1019.8 | 1.9 | | 6.1 | | 12 | 44 | | | 49 | 105 |
| 10738 STUTTGART-ECHTERDINGEN | 4841N | 00914E | 396 | | 971.5 | 1019.7 | .9 | | 5.7 | | 10 | 30 | | 2 | 58 | 95 |
| 10742 OEHRINGEN | 4913N | 00931E | 277 | | 985.5 | 1019.5 | 1.6 | | 6.1 | | 13 | 57 | | | 46 | 90 |
| 10761 WEISSENBURG | 4901N | 01058E | 424 | | 967.7 | 1019.5 | .8 | | 5.7 | | 12 | 54 | | | 58 | 130 |
| 10763 NUERNBERG | 4930N | 01103E | 319 | | 980.4 | 1019.7 | 1.1 | .5 | 6.1 | .4 | 11 | 50 | -2 | 3 | 56 | 130 |
| 10776 REGENSBURG | 4903N | 01206E | 371 | | 974.5 | 1019.9 | .8 | | 6.0 | | 10 | 33 | | | 62 | 160 |
| 10788 STRAUBING | 4850N | 01234E | 360 | | 976.0 | 1020.0 | .7 | | 5.8 | | 9 | 38 | | | 79 | 215 |
| 10791 GROSSER ARBER | 4907N | 01308E | 1446 | | 851.1 | 1455 Y | -3.2 | | 4.2 | | 13 | 69 | | | 72 | 95 |
| 10805 LAHR | 4822N | 00750E | 157 | | 1000.1 | 1019.7 | 1.9 | | 6.2 | | 9 | 40 | | | 39 | 100 |
| 10815 FREUDENSTADT | 4827N | 00825E | 801 | | 923.5 | 1455 Y | -1.1 | | 5.3 | | 14 | 106 | | | 57 | 95 |
| 10836 STOETTEN | 4840N | 00952E | 737 | | 930.0 | 1019.3 | -1.1 | | 5.4 | | 17 | 102 | | | 49 | 90 |
| 10852 AUGSBURG | 4826N | 01056E | 477 | | 961.7 | 1019.9 | .2 | | 5.8 | | 11 | 28 | | | 67 | 140 |
| 10870 MUENCHEN, FLUGHAFEN | 4822N | 01149E | 453 | | 965.3 | 1019.9 | .9 | 1.8 | 5.7 | .6 | 8 | 31 | -18 | 2 | 66 | 150 |
| 10895 FUERSTENZELL | 4833N | 01321E | 480 | | 961.0 | 1019.5 | .4 | | 5.8 | | 8 | 56 | | | 77 | |
| 10908 FELDBERG/SCHWARZWALD | 4753N | 00800E | 1493 | | 846.4 | 1459 Y | -2.9 | | 4.0 | | 12 | 55 | | | 85 | 95 |
| 10929 KONSTANZ | 4741N | 00911E | 447 | | 965.5 | 1020.4 | 1.0 | .0 | 6.0 | .2 | 14 | 63 | 6 | 4 | 36 | 97 |
| 10946 KEMPTEN | 4743N | 01020E | 705 | | 934.4 | 1019.9 | -.8 | | 5.1 | | 10 | 53 | | | 74 | 100 |
| 10948 OBERSTDORF | 4724N | 01017E | 812 | | 923.3 | 1458 Y | -2.8 | | 4.6 | | 11 | 101 | | | 67 | 95 |
| 10961 ZUGSPITZE | 4725N | 01059E | 2962 | | 702.4 | 2986 Z | -9.9 | -.2 | 2.2 | .0 | 15 | 222 | 38 | 4 | 123 | 106 |
| 10962 HOHENPEISSENBERG | 4748N | 01101E | 986 | | 902.2 | 1458 Y | -.4 | .1 | 4.8 | .1 | 10 | 45 | -21 | 2 | 80 | 95 |
| 10980 WENDELSTEIN | 4742N | 01201E | 1835 | | 811.1 | 1461 Y | -3.8 | | 3.4 | | 14 | 152 | | | 120 | 125 |
| AUSTRIA | | | | | | | | | | | | | | | | |
| 11035 WIEN/HOHE WARTE | 4815N | 01622E | 200 | | 994.3 | 1020.1 | 2.6 | | 5.8 | .3 | 9 | 39 | -4 | 3 | 36 | 69 |
| 11120 INNSBRUCK-FLUGHAFEN | 4716N | 01121E | 584 | | 948.3 | 1020.8 | -.2 | | 5.3 | | 12 | 108 | | 5 | 74 | 90 |
| 11146 SONNBLICK | 4703N | 01257E | 3111 | | 689.2 | 2989 Z | -11.1 | | 2.2 | .1 | 23 | 232 | -30 | 5 | 98 | 90 |

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. |
| 11150 SALZBURG-FLUGHAFEN | 4748N | 01300E | 450 | | 964.7 | 1019.8 | 1.3 | | 5.4 | .3 | 10 | 59 | -12 | 2 | 88 | 140 |
| 11155 FEUERKOGEL | 4749N | 01343E | 1621 | | 833.4 | 1463 Y | -2.6 | | 3.8 | | 14 | 121 | | 3 | 102 | 100 |
| 11212 VILLACHERALPE | 4636N | 01340E | 2160 | | 780.0 | 1478 Y | -5.6 | | 3.3 | | 15 | 256 | | 5 | 100 | 70 |
| 11231 KLAGENFURT-FLUGHAFEN | 4639N | 01420E | 476 | | 962.8 | 1021.5 | -.1 | | 5.7 | 1.1 | 11 | 100 | 52 | 5 | 22 | 42 |
| 11240 GRAZ-THALERHOF-FLUGHAFEN | 4700N | 01526E | 347 | | 976.1 | 1021.0 | .9 | | 6.4 | 1.3 | 10 | 81 | 48 | 5 | 58 | 98 |
| CZECH REPUBLIC | | | | | | | | | | | | | | | | |
| 11423 PRIMDA | 4940N | 01240E | 748 | | 929.3 | | -1.8 | | 5.4 | | 12 | 46 | | 3 | 31 | 90 |
| 11464 MILESOVKA | 5033N | 01356E | 836 | | 917.7 | | -2.2 | | 5.2 | | 10 | 41 | | 4 | 43 | 90 |
| 11487 KOCELOVICE | 4928N | 01350E | 522 | | 956.0 | 1019.9 | .1 | | 5.7 | | 6 | 29 | | 2 | 41 | 95 |
| 11518 PRAHA/RUZYNE | 5006N | 01415E | 380 | | 974.7 | 1019.8 | 1.0 | 1.2 | 5.8 | .5 | 7 | 29 | 4 | 4 | 45 | 98 |
| 11520 PRAHA-LIBUS | 5001N | 01427E | 303 | | 982.1 | 1019.7 | 1.8 | | 6.0 | | 6 | 34 | | 4 | 42 | 95 |
| 11603 LIBREC | 5046N | 01501E | 405 | | 970.0 | 1019.4 | .9 | | 6.1 | | 13 | 74 | | 4 | 42 | 145 |
| 11659 PRIBYSLAV | 4935N | 01546E | 536 | | 954.5 | 1020.2 | .1 | | 5.6 | | 11 | 34 | | 3 | 48 | 130 |
| 11723 BRNO/TURANY | 4909N | 01642E | 246 | | 989.8 | 1020.4 | 2.0 | 2.6 | 5.9 | .7 | 4 | 24 | -3 | 3 | 39 | 100 |
| 11782 OSTRAVA/MOSNOV | 4941N | 01807E | 260 | | 988.0 | 1020.3 | 1.7 | 2.1 | 5.9 | .6 | 6 | 43 | 9 | 5 | 55 | 145 |
| SLOVAKIA | | | | | | | | | | | | | | | | |
| 11858 HURBANOV | 4752N | 01812E | 124 | | 1005.1 | 1020.7 | 2.9 | 2.5 | 6.5 | 1.0 | 11 | 57 | 18 | 5 | 64 | 125 |
| 11903 SLIAC | 4839N | 01909E | 315 | | 982.2 | 1021.2 | 1.4 | 3.3 | 5.8 | .9 | 8 | 90 | 34 | 5 | 71 | 182 |
| 11934 POPRAD/TATRY | 4904N | 02015E | 696 | | 936.7 | | -.9 | 2.4 | 4.7 | .5 | 9 | 56 | 28 | 5 | 78 | 115 |
| POLAND | | | | | | | | | | | | | | | | |
| 12120 LEBA | 5445N | 01732E | 6 | | 1016.9 | 1017.7 | 1.8 | | 6.4 | | 9 | 37 | | 1 | 34 | |
| 12160 ELBLAG | 5410N | 01926E | 43 | | 1013.4 | 1018.8 | 1.0 | | 5.9 | | 7 | 24 | | 2 | 27 | 95 |
| 12205 SZCZECIN | 5324N | 01437E | 7 | | 1017.3 | 1018.1 | 2.0 | 1.2 | 6.6 | .6 | 9 | 37 | -4 | 3 | 33 | 130 |
| 12295 BIALYSTOK | 5306N | 02310E | 151 | | 1001.1 | 1020.0 | -.1 | 2.0 | 5.8 | .8 | 9 | 38 | -2 | 3 | 38 | 165 |
| 12330 POZNAN | 5225N | 01651E | 84 | | 1007.7 | 1018.8 | 1.4 | 1.5 | 6.2 | .6 | 6 | 26 | -12 | 2 | 41 | 128 |
| 12375 WARSZAWA-OKECIE | 5210N | 02058E | 106 | | 1006.4 | 1019.8 | 1.3 | 2.2 | 6.0 | .6 | 9 | 37 | 5 | 4 | 58 | 290 |
| 12424 WROCLAW II | 5106N | 01653E | 124 | | 1003.8 | 1019.4 | 1.9 | 1.7 | 6.1 | .4 | 6 | 18 | -16 | 2 | 58 | 149 |
| 12497 WLODAWA | 5133N | 02332E | 179 | | 998.2 | 1020.8 | .4 | | 5.9 | | 8 | 27 | | 3 | 38 | 115 |
| 12566 KRAKOW | 5005N | 01948E | 237 | | 990.6 | 1020.5 | 1.0 | 2.0 | 5.7 | .5 | 7 | 41 | 0 | 3 | | |
| HUNGARY | | | | | | | | | | | | | | | | |
| 12843 BUDAPEST/PESTSZENTLORINC | 4726N | 01911E | 139 | | 1003.8 | 1021.2 | 3.0 | 2.6 | 6.0 | .4 | 9 | 63 | 23 | 5 | 76 | 162 |
| 12882 DEBRECEN | 4729N | 02136E | 109 | | 1007.6 | 1021.2 | 2.8 | 3.0 | 6.5 | .9 | 8 | 60 | 16 | 4 | 58 | 129 |
| 12942 PECS/POGANY | 4600N | 01814E | 203 | | 996.0 | 1021.4 | 2.9 | 2.3 | 6.3 | .7 | 11 | 44 | 0 | 3 | 60 | 102 |
| 12982 SZEGED | 4615N | 02006E | 83 | | 1010.9 | 1021.2 | 2.9 | 2.3 | 6.4 | .6 | 9 | 52 | 12 | 4 | 58 | 114 |
| SERBIA AND MONTENEGRO | | | | | | | | | | | | | | | | |
| 13274 BEOGRAD | 4448N | 02028E | 132 | | 1004.3 | 1020.7 | 4.6 | 2.3 | 6.6 | .7 | 10 | 79 | 22 | 4 | 62 | 98 |
| 13388 NIS | 4320N | 02154E | 202 | | 996.5 | 1021.7 | 4.8 | | 7.1 | | 15 | 116 | | 6 | 46 | 85 |

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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. |
| MACEDONIA 13577 LAZAROPOL | 4132N | 02042E | 1332 | | 866.9 | | -2 | .3 | 5.1 | | 14 | 192 | 62 | 5 | 91 | 98 |
| SLOVENIA 14008 KREDARICA 14015 LJUBLJANA/BEZIGRAD | 4623N 4604N | 01351E 01431E | 2515 299 | | 743.9 983.8 | 2987 Z 1020.6 | -7.2 2.0 | | 3.0 6.4 | | 18 14 | 205 225 | | 5 5 | 92 22 | 85 60 |
| CROATIA 14236 ZAGREB/GRIC 14445 SPLIT/MARJAN | 4549N 4331N | 01559E 01626E | 162 128 | | 999.8 1001.4 | 1019.9 1016.9 | 4.2 9.8 | | 6.7 7.4 | | 16 12 | 97 134 | | 4 4 | 39 113 | 80 90 |
| BOSNIA AND HERZEGOVINA 14648 MOSTAR 14652 BJELASNICA 14654 SARAJEVO-BJELAVE | 4321N 4343N 4352N | 01748E 01816E 01826E | 108 2070 638 | | 1005.4 788.2 944.1 | 1018.5 1020.6 | 8.0 -5.5 3.3 | | 7.4 3.9 6.1 | | 14 21 10 | 184 128 76 | | 4 5 3 | 100 43 56 | 85 45 140 |
| ROMANIA 15023 SUCEAVA 15085 BISTRITA 15090 IASI 15120 CLUJ-NAPOCA 15247 TIMISOARA 15260 SIBIU 15280 VARFU OMU 15292 CARANSEBES 15310 GALATI 15350 BUZAU 15360 SULINA 15420 BUCURESTI BANEASA 15450 CRAIOVA 15480 CONSTANTA | 4738N 4709N 4710N 4647N 4546N 4548N 4527N 4525N 4529N 4509N 4510N 4430N 4419N 4413N | 02615E 02431E 02738E 02334E 02115E 02409E 02527E 02215E 02802E 02649E 02944E 02608E 02352E 02839E | 352 367 104 414 88 444 2509 242 71 97 9 91 195 14 | | 977.0 975.9 1009.3 970.8 1009.5 966.5 745.7 991.4 1013.7 1010.2 1020.4 1009.4 997.8 1020.4 | 1022.2 1021.4 1022.4 1021.8 1020.2 1021.4 1020.9 1022.5 1022.5 1021.8 1020.7 1022.7 1022.0 | .6 .9 2.0 1.3 3.6 2.0 -8.5 3.4 3.1 2.6 5.0 1.9 -1.8 5.6 | | 5.4 5.7 6.0 5.8 6.4 5.4 3.0 5.9 6.5 6.7 7.8 6.6 6.3 7.8 | | 7 9 8 6 11 8 14 9 7 5 6 2 7 8 | 30 60 62 66 55 32 73 65 44 27 18 21 52 49 | | 4 4 5 5 3 4 3 4 4 3 3 2 3 4 | 48 76 39 92 50 83 90 58 52 78 49 61 69 87 | 70 158 68 170 89 148 90 100 81 100 82 98 97 109 |
| BULGARIA 15502 VIDIN 15552 VARNA 15614 SOFIA (OBSERV.) 15730 KURDJALI | 4359N 4312N 4239N 4139N | 02251E 02757E 02323E 02523E | 595 43 595 331 | | | 1022.0 1021.6 1021.9 1020.7 | 1.7 6.4 2.5 5.0 | | 6.6 8.2 5.9 7.3 | | 10 8 10 9 | 102 37 36 31 | | 5 2 2 1 | 62 59 78 72 | 90 82 122 85 |
| ITALY 16008 S. VALENTINO ALLA MUTA 16022 PAGANELLA | 4645N 4609N | 01032E 01102E | 1461 2129 | | 850.7 781.3 | 1467 Y 1461 Y | -3.0 -4.5 | | 3.3 3.4 | | 2 11 | 5 94 | -26 67 | 0 6 | 121 | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 16033 DOBBIACO | 4644N | 01213E | 1226 | | 873.7 | 1473 Y | -2.6 | | 4.6 | | 6 | 82 | 51 | 5 | | |
| 16061 BRIC DELLA CROCE | 4502N | 00743E | 710 | | 932.0 | | 3.0 | | 5.1 | | 10 | 182 | 153 | 6 | 105 | 79 |
| 16088 BRESCIA/GHEDI | 4525N | 01017E | 97 | | 1006.0 | 1018.1 | 3.3 | | 7.4 | | 9 | 118 | 65 | 6 | | |
| 16098 TREVISO/ISTRANA | 4541N | 01206E | 42 | | 1012.6 | 1017.8 | 5.0 | | 7.5 | | 10 | 171 | 110 | 6 | | |
| 16110 TRIESTE | 4539N | 01345E | 4 | | 1017.1 | 1017.5 | 7.4 | | 7.4 | | 10 | 118 | 27 | 5 | 100 | 120 |
| 16134 MONTE CIMONE | 4411N | 01042E | 2173 | | 777.3 | 1460 Y | -3.0 | | 4.4 | | 7 | 57 | 4 | 6 | | |
| 16153 CAPO MELE | 4357N | 00811E | 221 | | 988.4 | 1015.1 | 9.0 | | 7.7 | | 12 | 158 | 93 | 5 | 109 | 86 |
| 16158 PISA/S. GIUSTO | 4341N | 01023E | 6 | | 1015.1 | 1015.9 | 7.2 | | 8.4 | | 0 | T | -85 | 1 | 81 | 87 |
| 16179 FRONTONE | 4331N | 01244E | 574 | | 947.7 | | 4.8 | | 7.2 | | 14 | 243 | 137 | 5 | | |
| 16206 GROSSETO | 4244N | 01103E | 7 | | 1014.6 | 1015.5 | 8.0 | | 8.9 | | 15 | 176 | 112 | 6 | | |
| 16232 TERMOLI | 4200N | 01500E | 44 | | 1010.9 | 1016.3 | 10.8 | | 10.1 | | 11 | 54 | 13 | 4 | 103 | 115 |
| 16245 PRATICA DI MARE | 4139N | 01227E | 21 | | 1012.6 | 1015.2 | 9.4 | | 9.5 | | 15 | 223 | 116 | 5 | | |
| 16252 CAMPOBASSO | 4134N | 01439E | 807 | | 922.0 | | 4.9 | | 7.6 | | 17 | 148 | 80 | 5 | 104 | 96 |
| 16258 MONTE S. ANGELO | 4142N | 01557E | 848 | | 916.0 | | 4.3 | | 7.0 | | 10 | 63 | -3 | 3 | | |
| 16280 PONZA | 4055N | 01257E | 185 | | 991.3 | 1013.4 | 11.4 | | 11.5 | | 17 | 144 | 56 | 5 | 119 | |
| 16325 MARINA DI GINOSA | 4026N | 01653E | 12 | | 1014.3 | 1015.7 | 11.5 | | 10.3 | | 8 | 98 | 40 | 5 | | |
| 16344 MONTE SCURO | 3920N | 01624E | 1677 | | 828.5 | 1471 Y | .6 | | 5.5 | | 16 | 306 | 198 | 6 | 58 | |
| 16360 S. MARIA DI LEUCA | 3949N | 01821E | 112 | | 1002.9 | 1016.4 | 11.5 | | 10.4 | | 11 | 109 | 23 | 4 | 137 | |
| 16400 USTICA | 3842N | 01311E | 243 | | 987.3 | 1016.2 | 12.4 | | 11.4 | | 19 | 131 | 63 | 5 | 114 | 92 |
| 16420 MESSINA | 3812N | 01533E | 54 | | 1009.1 | 1015.6 | 13.2 | | 11.6 | | 12 | 176 | 59 | 5 | 108 | 97 |
| 16429 TRAPANI BIRGI | 3755N | 01230E | 9 | | 1015.0 | 1016.1 | 13.1 | | 11.6 | | 8 | 92 | 27 | 5 | 143 | 113 |
| 16459 CATANIA SIGONELLA | 3724N | 01455E | 29 | | 1013.1 | 1016.7 | 10.8 | | 11.0 | | 11 | 133 | 65 | 5 | | |
| 16480 COZZO SPADARO | 3641N | 01508E | 51 | | 1009.1 | 1015.2 | 14.0 | | 12.7 | | 12 | 150 | 79 | 5 | 167 | |
| 16522 CAPO CACCIA | 4034N | 00810E | 204 | | 990.4 | 1014.9 | 10.5 | | 10.9 | | 17 | 154 | | 5 | 104 | 90 |
| 16546 DECIMOMANNU | 3921N | 00858E | 24 | | 1012.5 | 1015.4 | 9.3 | | 10.2 | | 13 | 99 | 38 | 4 | | |
| MALTA | | | | | | | | | | | | | | | | |
| 16597 LUQA | 3551N | 01429E | 91 | | 1008.2 | 1016.9 | 14.6 | .8 | 11.7 | -.7 | 9 | 103 | -9 | 3 | 181 | 115 |
| GREECE | | | | | | | | | | | | | | | | |
| 16622 THESSALONIKI (AIRPORT) | 4031N | 02258E | 8 | | 1020.5 | 1021.1 | 8.5 | 1.8 | 8.5 | .6 | 7 | 91 | 39 | 5 | 97 | 95 |
| 16641 KERKYRA (AIRPORT) | 3937N | 01955E | 4 | | 1016.6 | 1017.1 | 12.0 | .9 | 9.6 | -.7 | 14 | 323 | 143 | 5 | 92 | 84 |
| 16648 LARISSA (AIRPORT) | 3938N | 02225E | 74 | | 1011.5 | 1020.6 | 7.2 | .9 | 8.4 | .4 | 7 | 62 | 10 | 4 | 99 | 98 |
| 16716 ATHINAI (AIRPORT) | 3754N | 02344E | 28 | | 1017.7 | 1019.6 | 12.2 | .2 | 10.3 | .2 | 8 | 63 | -3 | 3 | 90 | 71 |
| 16723 SAMOS (AIRPORT) | 3742N | 02655E | 7 | | 1018.3 | 1019.2 | 12.4 | .3 | 12.9 | 2.1 | 10 | 138 | -25 | 5 | 134 | 105 |
| 16726 KALAMATA (AIRPORT) | 3704N | 02201E | 8 | | 1016.9 | 1018.2 | 11.2 | -.4 | 10.4 | .0 | 12 | 149 | -4 | 4 | 106 | 81 |
| 16734 METHONI | 3650N | 02142E | 34 | | 1010.3 | 1016.2 | 13.1 | .1 | 10.7 | -.8 | 14 | 109 | -32 | 3 | 135 | 100 |
| 16746 SOUDA (AIRPORT) | 3529N | 02407E | 151 | | 999.9 | 1018.1 | 13.5 | .9 | 11.4 | .7 | 11 | 202 | 109 | 5 | 104 | 86 |
| 16754 HERAKLION (AIRPORT) | 3520N | 02511E | 39 | | 1013.4 | 1018.1 | 14.5 | .7 | 12.2 | 1.4 | 7 | 87 | 10 | 4 | 103 | 85 |
| TURKEY | | | | | | | | | | | | | | | | |
| 17022 ZONGULDAK | 4127N | 03148E | 137 | | 1004.8 | 1021.3 | 9.2 | .7 | 7.3 | .1 | 15 | 157 | -2 | 3 | 56 | 75 |
| 17030 SAMSUN | 4117N | 03618E | 4 | | 1021.1 | 1021.6 | 9.0 | -.2 | 6.7 | -1.1 | 10 | 121 | 39 | 5 | 113 | 175 |
| 17034 GIRESUN | 4055N | 03823E | 37 | | 1019.5 | 1024.4 | 9.1 | -.4 | 5.1 | -2.9 | 9 | 127 | -4 | 3 | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 17040 RIZE | 4102N | 04031E | 9 | | 1020.1 | 1021.2 | 8.1 | -2 | 8.4 | .3 | 11 | 280 | 38 | 4 | 65 | 95 |
| 17050 EDIRNE | 4140N | 02634E | 51 | | 1016.1 | 1022.5 | 6.4 | 1.8 | 8.4 | 1.1 | 7 | 36 | -34 | 2 | 43 | 60 |
| 17062 ISTANBUL/GOZTEPE | 4058N | 02905E | 33 | | 1019.8 | 1022.1 | 9.3 | 1.2 | 8.6 | .1 | 14 | 95 | -26 | 2 | 82 | 110 |
| 17074 KASTAMONU | 4122N | 03347E | 800 | | 928.6 | 1025.3 | -5 | -1.7 | 5.5 | .0 | 8 | 30 | -7 | 3 | | |
| 17084 CORUM | 4033N | 03457E | 776 | | 931.5 | 1025.3 | -1 | -2.1 | 5.9 | .2 | 7 | 36 | -14 | 2 | 34 | 45 |
| 17090 SIVAS | 3945N | 03701E | 1285 | | 875.3 | 1027.8 | -4.2 | -4.0 | 3.7 | -1.0 | 9 | 49 | 2 | 3 | 62 | 85 |
| 17092 ERZINCAN | 3942N | 03931E | 1154 | | 883.2 | 1027.8 | -3.1 | -3.1 | 3.7 | -1.1 | 4 | 23 | -8 | 2 | 88 | 105 |
| 17096 ERZURUM | 3957N | 04110E | 1758 | | 826.3 | 1033.7 | -10.8 | -6.4 | 2.6 | -9 | 6 | 24 | 3 | 3 | 92 | 95 |
| 17098 KARS | 4033N | 04305E | 1795 | | 823.0 | 1029.3 | -7.7 | -2.1 | 2.8 | -5 | 7 | 30 | 10 | 5 | 121 | 130 |
| 17112 CANAKKALE | 4008N | 02624E | 6 | | 1021.4 | 1021.7 | 8.7 | .2 | 9.2 | -1 | 6 | 58 | -59 | 1 | 84 | 80 |
| 17116 BURSA | 4011N | 02904E | 100 | | 1009.5 | 1021.8 | 7.6 | .0 | 8.0 | .3 | 12 | 94 | -24 | 2 | 39 | 40 |
| 17130 ANKARA/CENTRAL | 3957N | 03253E | 891 | | 918.5 | 1024.4 | 2.0 | -6 | 5.7 | -1 | 8 | 29 | -20 | 2 | 81 | 105 |
| 17155 KUTAHYA | 3925N | 02958E | 969 | | 908.8 | 1023.0 | 2.6 | | 6.0 | | 7 | 39 | | 1 | 76 | 120 |
| 17170 VAN | 3827N | 04319E | 1669 | | 834.2 | 1024.9 | -1.8 | -.9 | 3.5 | -.6 | 7 | 37 | 4 | 3 | 166 | 125 |
| 17188 USAK | 3841N | 02924E | 919 | | | 1023.5 | 2.0 | -2.1 | 5.3 | -1.3 | 9 | 47 | -39 | 1 | 125 | 110 |
| 17190 AFYON | 3845N | 03032E | 1034 | | 902.0 | 1023.6 | 2.0 | -.4 | 5.4 | -.5 | 10 | 27 | -19 | 1 | 112 | 115 |
| 17199 MALATYA/BOLGE | 3821N | 03819E | 948 | | 912.9 | 1025.9 | .6 | | 4.8 | | 4 | 24 | | 1 | 124 | 130 |
| 17210 SIIRT | 3755N | 04157E | 896 | | 917.4 | 1023.4 | 3.2 | -1.5 | 6.0 | .1 | 8 | 82 | -14 | 3 | 119 | 100 |
| 17220 IZMIR/GUZELYALI | 3826N | 02710E | 29 | | 1016.9 | 1019.8 | 11.5 | 1.0 | 9.1 | -.4 | 10 | 101 | -52 | 2 | 118 | 90 |
| 17240 ISPARTA | 3745N | 03033E | 997 | | 905.6 | 1022.2 | 3.8 | .4 | 5.6 | -.5 | 2 | 5 | -85 | 1 | 137 | 135 |
| 17244 KONYA | 3758N | 03233E | 1032 | | 902.4 | 1024.4 | .5 | -1.5 | 5.9 | .3 | 7 | 59 | 15 | 4 | 120 | 125 |
| 17250 NIGDE | 3758N | 03441E | 1210 | | 882.3 | 1023.5 | .9 | -.8 | 4.9 | -.2 | 6 | 25 | -15 | 1 | 131 | 115 |
| 17255 KAHRAMANMARAS | 3736N | 03656E | 572 | | 951.7 | 1020.0 | 6.1 | -.4 | 6.0 | -.9 | 6 | 96 | -36 | 2 | 125 | 110 |
| 17270 SANLIURFA | 3708N | 03846E | 549 | | 955.6 | 1021.4 | 7.0 | -.2 | 5.9 | -1.5 | 5 | 38 | -49 | 1 | 126 | 95 |
| 17280 DIYARBAKIR | 3753N | 04012E | 687 | | 942.9 | 1024.3 | 2.2 | -2.1 | 4.2 | -2.4 | 6 | 52 | -23 | 2 | 114 | 95 |
| 17285 HAKKARI | 3734N | 04346E | 1728 | | 831.3 | 1029.6 | -.7 | .7 | 3.7 | -.3 | 9 | 34 | -59 | 1 | 155 | 140 |
| 17292 MUGLA | 3713N | 02822E | 646 | | 943.7 | 1020.3 | 6.9 | -.1 | 8.1 | .0 | 7 | 58 | -223 | 1 | 51 | 45 |
| 17300 ANTALYA | 3652N | 03044E | 64 | | 1011.6 | 1018.3 | 11.1 | -.3 | | | 6 | 69 | -153 | 1 | 176 | 115 |
| 17340 MERSIN | 3648N | 03438E | 3 | | 1019.4 | 1019.8 | 12.2 | 1.0 | 7.5 | -2.2 | 6 | 74 | -61 | 1 | 176 | 110 |
| 17351 ADANA/BOLGE | 3659N | 03521E | 27 | | 1016.5 | 1019.8 | 9.5 | | 7.9 | | 6 | 58 | | 1 | 163 | 120 |
| CYPRUS | | | | | | | | | | | | | | | | |
| 17609 LARNACA AIRPORT | 3453N | 03338E | 2 | | 1018.4 | 1018.8 | 14.1 | .7 | 11.6 | | 6 | 39 | -41 | | 199 | 107 |
| RUSSIAN FEDERATION (EUROPE) | | | | | | | | | | | | | | | | |
| 22113 MURMANSK | 6858N | 03303E | 51 | | 1004.5 | 1010.9 | -2.7 | 6.4 | 4.4 | 1.4 | 8 | 21 | -15 | 3 | 0 | |
| 22165 KANIN NOS | 6839N | 04318E | 49 | | 1005.3 | 1011.5 | -.9 | 5.5 | 5.2 | 1.6 | 10 | 31 | -10 | 2 | | |
| 22217 KANDALAKSHA | 6709N | 03221E | 25 | | 1010.1 | 1013.3 | -3.0 | 7.6 | 4.6 | 1.8 | 11 | 46 | 13 | 6 | 0 | |
| 22235 KRASNOSCEL'E | 6721N | 03703E | 156 | | 993.5 | 1013.4 | -3.8 | | 4.4 | | 14 | 55 | | | 0 | |
| 22471 MEZEN' | 6552N | 04413E | 19 | | 1014.2 | 1016.4 | -3.5 | | 4.4 | | 11 | 35 | | 3 | 0 | |
| 22520 KEM'-PORT | 6459N | 03448E | 8 | | 1014.5 | 1015.5 | -2.1 | | 4.7 | | 7 | 25 | | 2 | 4 | |
| 22550 ARHANGEL'SK | 6433N | 04035E | 4 | | 1017.1 | 1018.2 | -2.7 | 7.8 | 4.7 | 1.8 | 12 | 36 | -7 | 2 | 0 | |
| 22619 PADANY | 6316N | 03325E | 128 | | 1001.3 | 1017.7 | -2.5 | | 4.8 | | 9 | 26 | | 2 | 0 | |
| 22641 ONEGA | 6354N | 03807E | 13 | | 1016.4 | 1018.0 | -2.3 | 6.9 | 4.6 | 1.5 | 12 | 32 | -12 | 2 | 0 | |
| 22676 SURA | 6335N | 04538E | 62 | | 1011.9 | 1020.0 | -4.0 | | 4.2 | | 12 | 28 | | 2 | | |

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. |
| 22768 SHENKURSK | 6206N | 04254E | 45 | | 1015.5 | 1021.3 | -3.7 | | 4.2 | | 10 | 33 | | 3 | 1 | |
| 22802 SORTAVALA | 6143N | 03043E | 19 | | 1016.8 | 1019.2 | -1.1 | 5.4 | 5.3 | 1.6 | 10 | 58 | 4 | 4 | 3 | 17 |
| 22820 PETROZAVODSK | 6149N | 03416E | 110 | | 1005.2 | 1019.4 | -2.6 | 5.0 | 4.7 | 1.3 | 6 | 19 | -22 | 1 | | 0 |
| 22837 VYTEGRA | 6101N | 03627E | 56 | | 1013.6 | 1020.7 | -2.3 | 5.7 | 4.7 | 1.4 | 11 | 39 | -15 | 2 | | 0 |
| 26063 ST.PETERSBURG (VOEJKOVO) | 5958N | 03018E | 6 | | 1018.9 | 1019.7 | -.8 | 3.8 | 5.3 | 1.2 | 11 | 52 | 2 | 5 | 1 | 8 |
| 26157 GDOV | 5844N | 02750E | 40 | | 1013.4 | 1018.5 | -.8 | | 5.2 | | 11 | 46 | | | 8 | |
| 26275 STARAYA RUSSA | 5801N | 03119E | 25 | | 1018.2 | 1021.3 | -1.5 | | 5.1 | | 10 | 52 | | | 9 | 55 |
| 26359 PUSKINSKIE GORY | 5701N | 02854E | 108 | | 1007.5 | 1021.3 | -1.2 | | 5.1 | | 5 | 28 | | | | |
| 26781 SMOLENSK | 5445N | 03204E | 239 | | 993.2 | 1023.5 | -2.8 | 2.8 | 5.0 | 1.1 | 11 | 46 | -10 | | 6 | 25 |
| 26997 TRUBCHEVSK | 5235N | 03346E | 178 | | 1002.1 | 1024.8 | -2.5 | | 4.9 | | 6 | 54 | | 4 | | |
| 27037 VOLOGDA | 5919N | 03955E | 130 | | 1007.1 | 1023.7 | -3.0 | 5.9 | 4.5 | 1.3 | 8 | 38 | -4 | 3 | 3 | 15 |
| 27051 TOT'MA | 5953N | 04245E | 134 | | 1006.7 | 1023.9 | -3.8 | 6.1 | 4.4 | 1.4 | 17 | 40 | -9 | | 4 | 25 |
| 27333 KOSTROMA | 5744N | 04047E | 126 | | 1009.0 | 1025.2 | -2.7 | 5.7 | 4.9 | 1.6 | 9 | 35 | -15 | 2 | 12 | 71 |
| 27459 NIZHNIJ NOVGOROD | 5616N | 04400E | 157 | | 1007.4 | 1027.6 | -3.5 | | 4.4 | | 10 | 41 | | 2 | 25 | 110 |
| 27595 KAZAN' | 5536N | 04917E | 116 | | 1014.8 | 1030.3 | -5.3 | 3.7 | 3.9 | .9 | 4 | 16 | -21 | 1 | 41 | 124 |
| 27612 MOSKVA | 5550N | 03737E | 156 | | 1005.4 | 1025.4 | -1.8 | 4.3 | 5.0 | 1.3 | 8 | 52 | -3 | | | |
| 27648 ELAT'MA | 5457N | 04146E | 136 | | 1010.4 | 1028.0 | -3.8 | 3.7 | 4.6 | 1.2 | 7 | 33 | -21 | 2 | 26 | 90 |
| 27675 PORETSKOE | 5511N | 04620E | 136 | | 1011.8 | 1029.5 | -4.5 | | 4.3 | | 4 | 17 | | 1 | 36 | 140 |
| 27707 SUHINICHI | 5406N | 03521E | 238 | | 994.8 | 1025.2 | -3.3 | | 4.7 | | 11 | 50 | | | | |
| 27823 PAVELETS | 5347N | 03915E | 209 | | 1000.5 | 1027.4 | -6.3 | .6 | 4.5 | .9 | 7 | 26 | -15 | 2 | 29 | 81 |
| 27857 ZAMETCHINO | 5329N | 04238E | 131 | | 1012.2 | 1029.2 | -4.5 | | 4.2 | | 4 | 20 | | 1 | 39 | 120 |
| 27995 SAMARA (BEZENCHUK) | 5259N | 04926E | 46 | | 1025.7 | 1031.7 | -6.8 | | 3.7 | | 1 | 7 | | 1 | 56 | 130 |
| 34110 BOGORODITSKOE-FENINO | 5110N | 03721E | 226 | | 998.0 | 1026.8 | -3.6 | | 4.5 | | 4 | 13 | | 1 | 21 | |
| 34123 VORONEZ | 5142N | 03913E | 149 | | 1008.7 | 1027.9 | -3.3 | | 4.4 | | 4 | 21 | | 3 | | |
| 34152 BALASHOV | 5133N | 04309E | 159 | | 1009.3 | 1029.8 | -4.7 | | 4.2 | | 3 | 8 | | 0 | | |
| 34163 OKTJABR'SKIJ GORODOK | 5138N | 04527E | 201 | | 1004.1 | 1030.2 | -6.1 | | 3.9 | | 1 | 3 | | 0 | 52 | 113 |
| 34186 ERSHOV | 5122N | 04818E | 111 | | 1016.6 | 1031.2 | -7.2 | | 3.3 | | 1 | 9 | | 1 | 92 | 160 |
| 34579 VERHNIJ BASKUNCHAK | 4813N | 04644E | 34 | | 1024.4 | 1028.9 | -5.2 | | 3.8 | | 3 | 14 | | 2 | | |
| 34720 TAGANROG | 4712N | 03854E | 32 | | 1022.4 | 1026.5 | -1.4 | | 5.0 | | 6 | 18 | | | 76 | |
| 34740 GIGANT | 4631N | 04121E | 79 | | 1016.7 | 1026.8 | -2.4 | | 4.9 | | 7 | 7 | | | 65 | |
| 34866 YASHKUL' | 4611N | 04521E | -7 | | 1029.0 | 1028.2 | -3.5 | -2.3 | 4.7 | -3 | 7 | 21 | 3 | | | |
| 34927 KRASNODAR-KRUGLIK | 4503N | 03902E | 29 | | 1020.5 | 1024.2 | 1.2 | | 5.7 | | 6 | 30 | | 1 | | |
| 34949 STAVROPOL' | 4507N | 04205E | 452 | | 969.5 | 1025.9 | -1.9 | | 4.7 | | 5 | 23 | | | 45 | |
| 37001 ANAPA | 4453N | 03717E | 32 | | 1018.6 | 1022.7 | 3.4 | | 6.3 | | 7 | 44 | | 1 | | |
| 37061 BUDENNOVSK | 4447N | 04408E | 136 | | 1009.6 | 1027.0 | -1.7 | | 5.3 | | 4 | 25 | | | 52 | |
| 37107 KRASNAYA POLYANA | 4341N | 04012E | 569 | | 954.2 | 1023.1 | 3.1 | | 5.9 | | 11 | 132 | | | 84 | |
| 37126 SHADZHATMAZ | 4344N | 04240E | 2056 | | 793.8 | 1512 Y | -3.0 | | 2.4 | | 1 | 9 | | | 164 | |
| 37228 VLADIKAVKAZ | 4303N | 04439E | 703 | | 939.8 | 1025.8 | -1.9 | | 4.2 | | 5 | 29 | | | 106 | |
| 37470 DERBENT | 4204N | 04818E | -18 | | 1028.2 | 1025.7 | 4.0 | | 7.4 | | 6 | 59 | | 5 | 89 | 135 |
| 37472 MAHACHKALA | 4250N | 04733E | 32 | | | 1028.1 | 2.5 | -8 | 6.6 | .0 | 10 | 38 | 9 | 4 | 72 | 107 |
| 37663 AH TY | 4128N | 04745E | 1015 | | 904.4 | 1489 Y | -9 | | 3.8 | | 4 | 16 | | 4 | 165 | |
| ARMENIA | | | | | | | | | | | | | | | | |
| 37789 YEREVAN/YEREVAN-ARABKIR | 4008N | 04428E | 1140 | | 894.5 | 1522 Y | .4 | .2 | 5.4 | .4 | 7 | 32 | 10 | 4 | | |
| AZERBAIJAN | | | | | | | | | | | | | | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|-------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 37661 SHAKI | 4113N | 04710E | 641 | | 948.4 | 1026.3 | 1.5 | -1.3 | 5.7 | .3 | 8 | 54 | 26 | | | |
| 37735 GANDJA | 4043N | 04625E | 311 | | 977.1 | 1015.3 | 2.5 | -1.6 | 6.1 | .8 | 3 | 9 | -9 | | 86 | |
| 37747 EVLAKH AIRPORT | 4037N | 04709E | 15 | | 1025.1 | 1027.1 | 3.5 | -1.0 | 7.0 | .9 | 3 | 13 | -7 | | 53 | 51 |
| 37860 MASHTAGA | 4032N | 05000E | 28 | | 1018.4 | 1021.6 | 5.6 | -.2 | 8.2 | 1.3 | 4 | 38 | 11 | | 65 | 70 |
| 37989 ASTARA | 3827N | 04853E | -22 | | 1028.8 | 1026.1 | 6.1 | -.7 | 9.0 | 1.9 | 13 | 210 | 107 | | 59 | 54 |
| BELARUS | | | | | | | | | | | | | | | | |
| 26554 VERHNEDVINSK | 5549N | 02757E | 132 | | 1004.7 | 1021.5 | -.8 | | 5.4 | | 8 | 31 | | 1 | 13 | |
| 26666 VITEBSK | 5510N | 03013E | 176 | | 1000.4 | 1022.5 | -1.7 | 3.1 | 5.1 | 1.0 | 9 | 28 | -24 | 1 | | |
| 26825 GRODNO | 5336N | 02403E | 134 | | 1001.6 | 1020.2 | .2 | | 5.7 | | 9 | 26 | | 1 | | |
| 26850 MINSK | 5356N | 02738E | 231 | | 993.7 | 1021.7 | -.9 | 2.9 | 5.4 | 1.0 | 8 | 24 | -29 | 1 | 9 | 33 |
| 26863 MOGILEV | 5357N | 03004E | 192 | | 998.3 | 1022.7 | -1.9 | 2.6 | 5.2 | .9 | 9 | 39 | -5 | 3 | | |
| 26941 BARANOVICHI | 5307N | 02600E | 193 | | 996.9 | 1021.4 | -.3 | | 5.6 | | 9 | 27 | | 2 | | |
| 26951 SLUTSK | 5302N | 02733E | 162 | | 1001.3 | 1021.9 | -.6 | | 5.4 | | 9 | 23 | | 1 | | |
| 33008 BREST | 5207N | 02341E | 146 | | 1002.4 | 1020.6 | .8 | 2.5 | 5.9 | .8 | 8 | 28 | -16 | 1 | 34 | 106 |
| 33019 PINSK | 5207N | 02607E | 142 | | 1003.4 | 1021.3 | .2 | | 5.8 | | 9 | 26 | | 1 | 21 | 65 |
| 33036 MOZYR | 5157N | 02910E | 190 | | 998.7 | 1022.7 | -1.0 | | 5.3 | | 11 | 42 | | 3 | | |
| 33038 VASILEVICH | 5215N | 02950E | 142 | | 1004.9 | 1022.9 | -.9 | 2.4 | 5.4 | .9 | 12 | 40 | -6 | 2 | 6 | 18 |
| 33041 GOMEL | 5224N | 03057E | 126 | | 1007.2 | 1023.3 | -1.5 | 2.1 | 5.3 | .9 | 14 | 50 | 6 | 4 | 4 | 13 |
| ESTONIA | | | | | | | | | | | | | | | | |
| 26038 TALLINN | 5923N | 02435E | 34 | | 1013.5 | 1017.7 | .4 | 3.3 | 5.8 | 1.2 | 9 | 38 | -17 | 1 | 21 | 117 |
| 26214 VILSANDI | 5823N | 02149E | 6 | | 1016.2 | 1016.9 | 2.7 | 2.4 | 6.6 | 1.2 | 9 | 30 | -28 | 1 | 18 | 72 |
| 26242 TARTU | 5818N | 02644E | 68 | | 1010.2 | 1019.1 | -.8 | 3.5 | 5.5 | 1.2 | 12 | 68 | 28 | 5 | 20 | 83 |
| GEORGIA | | | | | | | | | | | | | | | | |
| 37279 ZUGDIDI | 4231N | 04153E | 118 | | 1007.3 | 1021.8 | 7.3 | | 7.1 | | | 122 | | | | |
| 37395 KUTAISI | 4216N | 04238E | 114 | | 1008.9 | 1023.0 | 8.2 | | 10.8 | | | 81 | | | | |
| 37432 PASANAURI | 4221N | 04442E | 1070 | | 895.3 | 1527 Y | -1.1 | | 4.0 | | | 31 | | | | |
| 37484 BATUMI | 4139N | 04138E | 2 | | 1020.9 | 1021.9 | 4.2 | | | | | 92 | | | | |
| 37545 TBILISI | 4145N | 04446E | 427 | | 972.9 | 1025.5 | 2.5 | | | | | 21 | | | | |
| 37621 BOLNISI | 4127N | 04433E | 534 | | 957.3 | | .3 | | | | | 8 | | | | |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 34398 ZHALPAKTAL | 4940N | 04929E | 10 | | 1028.9 | 1030.2 | -6.3 | .5 | 3.5 | .0 | 2 | 9 | -14 | | 111 | 271 |
| 34691 NOVYJ USHTOGAN | 4754N | 04848E | -10 | | 1030.1 | 1028.8 | -.5 | | 3.6 | | 4 | 15 | | | | |
| LATVIA | | | | | | | | | | | | | | | | |
| 26346 ALUKSNE | 5726N | 02702E | 193 | | 994.7 | 1019.9 | -1.6 | | 5.4 | | 14 | 54 | | | 11 | 40 |
| 26406 LIEPAJA | 5629N | 02101E | 7 | | 1017.3 | 1017.9 | 2.0 | 2.3 | 6.3 | .8 | 13 | 50 | -17 | | 20 | 71 |
| 26544 DAUGAVPILS | 5552N | 02637E | 122 | | 1004.8 | 1020.5 | -.6 | 3.2 | 5.6 | 1.2 | 7 | 30 | -16 | | 11 | 50 |
| LITHUANIA | | | | | | | | | | | | | | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|-----------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 26509 KLAIPEDA | 5544N | 02104E | 7 | | 1017.2 | 1018.1 | 2.0 | 2.1 | 6.5 | 1.0 | 15 | 78 | 10 | 3 | 25 | 93 |
| 26524 SIAULIAI | 5556N | 02319E | 107 | | 1005.5 | 1019.1 | .0 | 2.6 | 5.5 | .7 | 14 | 41 | -3 | 2 | 19 | 66 |
| 26629 KAUNAS | 5453N | 02350E | 77 | | 1009.9 | 1019.7 | .3 | 2.6 | 5.7 | .9 | 11 | 49 | 2 | 3 | 21 | 70 |
| 26730 VILNIUS | 5438N | 02506E | 162 | | 1000.7 | 1020.4 | -2 | 2.7 | 5.5 | .9 | 10 | 43 | -12 | 1 | 16 | 64 |
| REPUBLIC OF MOLDOVA | | | | | | | | | | | | | | | | |
| 33748 CORNESTI | 4720N | 02805E | 232 | | 992.7 | 1021.9 | 1.2 | | 6.0 | | 13 | 82 | | 5 | | |
| 33815 CHISINAU | 4701N | 02859E | 173 | | 1001.1 | 1022.2 | 1.2 | 1.5 | 6.1 | .9 | 8 | 54 | 16 | 4 | 31 | 53 |
| 33829 TIRASPOL | 4654N | 02936E | 40 | | 1017.7 | 1022.8 | 1.9 | | 6.3 | | 6 | 53 | | 4 | 20 | 35 |
| 33883 KOMRAT | 4618N | 02838E | 133 | | 1005.3 | 1022.3 | 2.1 | | 6.7 | | 8 | 61 | | 5 | | |
| UKRAINE | | | | | | | | | | | | | | | | |
| 33275 SUMY | 5051N | 03440E | 181 | | 1002.0 | 1025.3 | -2.7 | 1.3 | 4.9 | | 9 | 32 | -22 | 2 | | |
| 33301 RIVNE | 5035N | 02608E | 231 | | 992.9 | 1022.0 | .0 | 2.5 | 5.8 | | 10 | 33 | -4 | 2 | | |
| 33345 KIEV | 5024N | 03034E | 167 | | 1002.1 | 1023.2 | -7 | 1.6 | 5.8 | 1.0 | 11 | 77 | 25 | 5 | | |
| 33377 LUBNY | 5000N | 03301E | 158 | | 1004.3 | 1024.4 | -1.4 | 1.7 | 5.4 | | 9 | 51 | -9 | 2 | | |
| 33393 L'VIV | 4949N | 02357E | 323 | | 981.5 | 1021.7 | .1 | 2.2 | 5.6 | .8 | 12 | 59 | 2 | 4 | 34 | 92 |
| 33415 TERNOPIL' | 4932N | 02540E | 329 | | 981.3 | 1022.2 | -1 | 2.8 | 5.7 | | 9 | 34 | -5 | 4 | | |
| 33429 KHMEL'NYTS'KYI | 4926N | 02659E | 350 | | 978.8 | 1022.4 | -2 | 2.4 | 5.8 | | 10 | 26 | -17 | 2 | | |
| 33506 POLTAVA | 4936N | 03433E | 160 | | 1004.8 | 1025.3 | -2.2 | .9 | 5.1 | .4 | 7 | 31 | -20 | 2 | | |
| 33526 IVANO-FRANKIVS'K | 4858N | 02424E | 280 | | 987.0 | 1022.0 | .1 | 2.2 | 5.7 | | 10 | 34 | -6 | 2 | | |
| 33562 VINNYTSIA | 4914N | 02836E | 298 | | 985.5 | 1022.6 | -5 | 2.0 | 5.5 | .8 | 11 | 54 | 11 | 4 | 33 | 80 |
| 33587 UMAN' | 4846N | 03014E | 216 | | 996.4 | 1023.6 | -4 | 2.0 | 5.8 | 1.0 | 8 | 51 | 3 | 4 | | |
| 33631 UZHGOROD | 4838N | 02216E | 124 | | 1006.5 | 1021.1 | 2.9 | 3.3 | 6.1 | .9 | 11 | 73 | 4 | 3 | 70 | 152 |
| 33658 CHERNIVTSI | 4822N | 02554E | 246 | | 991.5 | 1023.1 | .8 | 2.7 | 5.8 | 1.1 | 8 | 24 | -13 | 2 | 36 | 68 |
| 33711 KIROVOHRAD | 4831N | 03212E | 171 | | 1002.5 | 1024.3 | -1.1 | 1.2 | 5.5 | | 8 | 39 | -3 | 4 | | |
| 33777 VOZNESENS'K | 4734N | 03120E | 34 | | 1019.3 | 1023.5 | 1.1 | | 6.2 | | 5 | 21 | | 2 | | |
| 33791 KRYVYI RIH | 4802N | 03313E | 124 | | 1008.8 | 1024.6 | -1.2 | .4 | 4.6 | | 4 | 20 | -23 | 1 | 20 | 50 |
| 33837 ODESA | 4626N | 03046E | 42 | | 1017.8 | 1023.1 | 2.9 | 1.5 | 7.0 | 1.1 | 6 | 33 | -15 | 2 | 25 | 44 |
| 33889 IZMAIL | 4522N | 02851E | 30 | | 1018.8 | 1022.6 | 3.5 | 2.5 | 6.7 | .9 | 6 | 54 | 13 | 4 | 48 | 115 |
| 33902 KHERSON | 4638N | 03234E | 54 | | 1016.5 | 1023.3 | -1.0 | -1.1 | 6.0 | | 1 | 3 | -37 | 1 | 22 | 40 |
| 33915 ASKANIIA-NOVA | 4627N | 03353E | 30 | | 1020.2 | 1024.2 | .5 | .2 | 5.8 | -1 | | 3 | -34 | 1 | 34 | 68 |
| 33946 SIMFEROPOL' | 4441N | 03408E | 181 | | 1000.4 | 1023.0 | 2.6 | .2 | 5.9 | -6 | 7 | 18 | -36 | 1 | 102 | 136 |
| 33998 AI-PETRI | 4426N | 03405E | 1180 | | 884.2 | | .1 | 1.6 | 4.0 | | 8 | 56 | -117 | 2 | 114 | 130 |
| 34300 KHARKIV | 4958N | 03608E | 155 | | 1006.4 | 1026.2 | -2.7 | .7 | 4.7 | .1 | 6 | 17 | -28 | 1 | 9 | 29 |
| 34415 IZIU | 4911N | 03718E | 78 | | 1016.5 | 1026.6 | -2.5 | | 4.8 | | 6 | 24 | | 1 | | |
| 34504 DNIPROPETROVS'K | 4836N | 03458E | 143 | | 1006.5 | 1025.1 | -2.1 | .0 | 5.2 | | 8 | 40 | -12 | 3 | 28 | 65 |
| 34519 DONETS'K | 4804N | 03746E | 225 | | 997.6 | 1026.5 | -3.3 | -.7 | 4.5 | | 7 | 19 | -33 | 1 | | |
| 34523 LUHANS'K | 4834N | 03915E | 62 | | 1019.2 | 1027.2 | -2.6 | -.4 | 4.7 | | 3 | 15 | -28 | 1 | 17 | 45 |
| 34712 MARIUPOL' | 4702N | 03730E | 70 | | 1016.7 | 1025.6 | -2.0 | | 5.2 | | 5 | 41 | | 2 | | |
| SYRIAN ARAB REPUBLIC | | | | | | | | | | | | | | | | |
| 40001 KAMISHLI | 3703N | 04113E | 455 | | 965.9 | 1020.2 | 8.3 | .3 | 8.4 | .8 | 4 | 50 | -18 | | | |
| 40007 ALEPPO INT. AEROPORT | 3611N | 03712E | 393 | | 974.2 | 1020.6 | 6.2 | -1.1 | 6.9 | -1.3 | 8 | 42 | -16 | | | |

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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. |
| 40022 LATTAKIA | 3532N | 03546E | 7 | | 1017.2 | 1018.1 | 12.8 | -5 | 8.5 | -1.3 | 8 | 172 | -13 | | 174 | 115 |
| 40030 HAMA | 3507N | 03645E | 303 | | 984.0 | 1020.9 | 7.0 | -9 | 7.7 | -1.1 | 9 | 50 | -16 | | | |
| 40045 DEIR EZZOR | 3519N | 04009E | 215 | | 996.6 | 1020.7 | 7.5 | -6 | 6.3 | -1.7 | 6 | 12 | -12 | | | |
| 40061 PALMYRA | 3433N | 03818E | 408 | | 972.1 | 1020.7 | 7.4 | -8 | 5.9 | -1.8 | 4 | 12 | -9 | | 192 | 117 |
| 40080 DAMASCUS INT. AIRPORT | 3325N | 03631E | 609 | | 948.1 | 1020.1 | 7.2 | .0 | 6.1 | -1.3 | 3 | 17 | -9 | | 62 | 38 |
| ISRAEL | | | | | | | | | | | | | | | | |
| 40179 BET DAGAN | 3200N | 03449E | 35 | | 1014.2 | 1018.6 | 15.5 | 1.7 | 10.3 | | 6 | 113 | -30 | 3 | 183 | 97 |
| 40180 BEN-GURION INT. AIRPORT | 3200N | 03454E | 49 | | 1013.8 | 1018.6 | 16.5 | | 9.5 | | 7 | 122 | | 3 | | |
| 40199 EILAT | 2933N | 03457E | 12 | | 1017.3 | 1017.9 | 18.3 | 2.1 | 7.4 | | 0 | 0 | -6 | 2 | 246 | 105 |
| JORDAN | | | | | | | | | | | | | | | | |
| 40250 H-4 'IRWAISHED' | 3230N | 03812E | 683 | | 939.7 | 1019.5 | 10.0 | | 7.0 | | 1 | 2 | | 2 | 180 | 95 |
| 40265 MAFRAQ | 3222N | 03615E | 683 | | 941.3 | 1021.7 | 9.6 | | 7.2 | | 3 | 11 | | 2 | 183 | 105 |
| 40296 GHOR SAFI | 3102N | 03528E | -350 | | 1061.6 | 1019.0 | 18.7 | | 11.2 | | 0 | 0 | | 1 | 163 | 95 |
| 40310 MA'AN | 3010N | 03547E | 1069 | | 896.9 | 1514 Y | 10.0 | 1.0 | 6.0 | -7 | 0 | 0 | -7 | 2 | 196 | 88 |
| ASIA | | | | | | | | | | | | | | | | |
| RUSSIAN FEDERATION (ASIA) | | | | | | | | | | | | | | | | |
| 20046 POLARGMO IM. E.T. KRENKELJA | 8037N | 05803E | 22 | | 1000.8 | 1004.1 | -16.5 | 6.6 | 1.6 | .5 | 17 | 104 | 78 | | | |
| 20069 OSTROV VIZE | 7930N | 07659E | 10 | | 1005.7 | 1007.1 | -20.3 | 3.6 | 1.1 | .1 | 9 | 30 | 15 | 5 | | |
| 20087 OSTROV GOLOMJANNYJ | 7933N | 09037E | 8 | | 1008.4 | 1009.5 | -23.6 | | .8 | | 4 | 9 | | 2 | | |
| 20292 GMO IM.E.K. FEDOROVA | 7743N | 10410E | 15 | | 1010.8 | 1012.1 | -25.8 | .3 | .7 | .0 | 5 | 11 | -7 | 0 | | |
| 20476 MYS STERLEGOVA | 7525N | 08854E | 11 | | 1007.0 | 1008.5 | -22.5 | | 1.1 | | 10 | 34 | | | | |
| 20667 IM. M.V. POPOVA | 7320N | 07003E | 7 | | 1004.2 | 1005.0 | -11.7 | | 2.3 | | 11 | 33 | | | | |
| 20674 OSTROV DIKSON | 7330N | 08024E | 47 | | 1000.4 | 1006.6 | -17.4 | 5.5 | 1.7 | .5 | 17 | 80 | 49 | 6 | | |
| 20744 MALYE KARMAKULY | 7222N | 05242E | 15 | | 1005.1 | 1006.9 | -3.6 | 8.4 | 4.1 | 1.7 | 12 | 27 | -4 | | | |
| 20891 HATANGA | 7159N | 10220E | 33 | | 1008.1 | 1012.8 | -29.4 | .3 | .7 | .1 | 10 | 32 | 12 | 5 | | |
| 20982 VOLOCHANKA | 7058N | 09430E | 40 | | 1008.0 | 1013.6 | -26.2 | | 1.0 | | 13 | 46 | | 5 | | |
| 21432 OSTROV KOTEL'NYJ | 7600N | 13750E | 8 | | 1010.6 | 1012.6 | -26.3 | 1.3 | .6 | .0 | 1 | 6 | -2 | | | |
| 21802 SASKYLAH | 7158N | 11400E | 18 | | 1010.9 | 1013.6 | -34.4 | | .4 | | 2 | 14 | | | 0 | |
| 21908 DZALINDA | 7008N | 11350E | 62 | | 1006.4 | 1015.6 | -37.1 | | .3 | | 2 | 3 | | | | |
| 21921 KJUSJUR | 7041N | 12720E | 33 | | 1014.0 | 1018.8 | -38.6 | | .3 | | 8 | 13 | | | | |
| 21931 JUBILEJNAJA | 7046N | 13610E | 24 | | 1012.2 | 1015.0 | -34.6 | | .0 | | 6 | 37 | | | | |
| 21946 CHOKURDAH | 7037N | 14750E | 61 | | 1006.1 | 1014.8 | -30.6 | 2.3 | .4 | .0 | 9 | 24 | 12 | | | |
| 21982 OSTROV VRANGELJA | 7059N | 17820E | 5 | | 1015.6 | 1016.2 | -14.9 | 6.5 | 1.8 | .8 | 6 | 20 | 10 | | | |
| 23022 AMDERMA | 6945N | 06142E | 49 | | 1004.1 | 1010.3 | -7.0 | | 3.4 | | 11 | 40 | | | 0 | |
| 23032 MARESALE | 6943N | 06648E | 25 | | 1006.9 | 1009.9 | -8.3 | | 3.2 | | 14 | 38 | | | 0 | |
| 23058 ANTIPAJUTA | 6905N | 07651E | 3 | | 1011.8 | 1012.3 | -16.2 | | 2.0 | | 10 | 24 | | | | |
| 23074 DUDINKA | 6924N | 08610E | 19 | | 1012.0 | 1014.6 | -22.1 | 2.9 | 1.2 | .3 | 17 | 74 | 24 | 5 | 0 | |
| 23205 NAR'JAN-MAR | 6738N | 05302E | 12 | | 1012.6 | 1014.2 | -5.8 | 8.5 | 3.3 | 1.1 | 12 | 52 | 22 | 5 | 0 | |

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. |
| 23242 NOVYJ PORT | 6741N | 07253E | 12 | | 1011.7 | 1013.3 | -14.0 | | 2.0 | | 7 | 17 | | | 0 | |
| 23256 TAZOVSKOE | 6728N | 07844E | 8 | | 1011.3 | 1015.1 | -18.2 | | 1.5 | | 15 | 77 | | | 0 | |
| 23274 IGARKA | 6728N | 08634E | 31 | | 1013.4 | 1017.7 | -23.9 | | 1.0 | | 21 | 58 | | 5 | 0 | |
| 23324 PETRUN' | 6626N | 06046E | 62 | | 1009.4 | 1017.5 | -9.4 | | 2.9 | | 12 | 55 | | 5 | 0 | |
| 23330 SALEHARD | 6632N | 06640E | 16 | | 1013.5 | 1015.7 | -12.9 | 7.8 | 2.1 | .8 | 9 | 26 | 2 | | 0 | |
| 23383 AGATA | 6653N | 09328E | 278 | | 983.5 | 1023.1 | -31.8 | | .5 | | 12 | 30 | | 3 | | |
| 23405 UST'-CIL'MA | 6526N | 05216E | 68 | | 1003.8 | 1014.2 | -6.1 | 8.0 | 4.0 | 1.7 | 14 | 39 | -3 | 5 | 0 | |
| 23445 NADYM | 6528N | 07240E | 19 | | 1014.2 | 1016.8 | -14.4 | | 1.9 | | 14 | 41 | | | | |
| 23463 YANOV-STAN | 6559N | 08416E | 40 | | 1013.8 | 1019.5 | -23.4 | | 1.1 | | | 29 | | 1 | | |
| 23472 TURUHANSK | 6547N | 08756E | 38 | | 1014.3 | 1019.6 | -24.1 | -4 | 1.0 | -1 | 12 | 37 | -5 | 3 | 0 | |
| 23552 TARKO-SALE | 6455N | 07749E | 27 | | 1014.4 | 1018.1 | -16.9 | 5.0 | 1.7 | .4 | 14 | 43 | 13 | 6 | 0 | |
| 23631 BEREZOVO | 6356N | 06503E | 32 | | 1015.2 | 1019.5 | -12.6 | 6.2 | 2.3 | .8 | 6 | 21 | -9 | 4 | 0 | |
| 23662 TOL'KA | 6359N | 08205E | 33 | | 1015.2 | 1019.7 | -19.5 | | 1.4 | | 13 | 36 | | | 1 | |
| 23678 VERHNEIMBATSK | 6309N | 08757E | 46 | | 1016.2 | 1022.6 | -23.5 | | 1.0 | | 14 | 45 | | 3 | | |
| 23711 TROICKO-PECHERSKOE | 6242N | 05612E | 139 | | 1005.5 | 1023.5 | -7.7 | 6.8 | 3.5 | 1.3 | 11 | 36 | -15 | 5 | 6 | |
| 23724 NJAKSIMVOL' | 6226N | 06052E | 51 | | 1015.4 | 1022.2 | -11.3 | 6.3 | 2.4 | .7 | 3 | 16 | -16 | | 15 | |
| 23734 OKTJABR'SKOE | 6227N | 06603E | 72 | | 1011.9 | 1021.5 | -13.4 | | 2.3 | | 11 | 47 | | | 90 | |
| 23867 LAR' YAK | 6106N | 08015E | 57 | | 1015.3 | 1023.0 | -17.3 | | 1.7 | | 16 | 49 | | | 15 | |
| 23884 BOR | 6136N | 09001E | 58 | | 1016.2 | 1024.2 | -25.0 | -3.1 | 1.1 | -2 | 14 | 47 | 0 | 3 | 7 | 64 |
| 23891 BAJKIT | 6140N | 09622E | 262 | | 989.8 | | -29.9 | -1.7 | .6 | -3 | 14 | 38 | 4 | 4 | 14 | 93 |
| 23914 CHERDYN' | 6024N | 05631E | 207 | | 1000.2 | 1027.1 | -8.1 | 5.2 | 3.5 | 1.1 | 15 | 57 | -2 | 2 | 4 | 29 |
| 23921 IVDEL' | 6041N | 06027E | 95 | | 1011.8 | 1024.3 | -9.9 | 6.0 | 2.7 | .7 | 3 | 6 | -20 | 1 | 47 | 188 |
| 23933 HANTY-MANSIJSK | 6101N | 06902E | 46 | | 1016.2 | 1023.0 | -12.3 | 4.4 | 2.5 | .7 | 10 | 40 | 9 | | 1 | 10 |
| 23955 ALEKSANDROVSKOE | 6026N | 07752E | 48 | | 1017.2 | 1023.8 | -15.6 | 2.5 | 1.9 | .2 | 13 | 47 | 24 | | 32 | 119 |
| 23966 VANZIL'-KYNAL | 6021N | 08405E | 99 | | 1011.0 | 1024.6 | -19.3 | | 1.4 | | 11 | 48 | | | | 0 |
| 23986 SEVERO-ENISEJSK | 6023N | 09320E | 519 | | 957.5 | 1026.2 | -22.5 | | 1.0 | | 19 | 54 | | 6 | | |
| 24125 OLENEK | 6830N | 11220E | 220 | | 985.4 | 1017.1 | -37.2 | -3.9 | .3 | -3 | 7 | 18 | 4 | | | |
| 24136 SUHANA | 6837N | 11820E | 77 | | 1007.3 | 1018.8 | -41.6 | | .2 | | 4 | 11 | | | 0 | |
| 24143 DZARDZAN | 6844N | 12400E | 39 | | 1014.2 | 1019.9 | -38.6 | -2.7 | .2 | -1 | 5 | 13 | -1 | | | |
| 24266 VERHOJANSK | 6733N | 13320E | 137 | | 1001.6 | 1022.6 | -47.5 | -3.9 | .1 | -1 | 4 | 9 | -1 | | 0 | |
| 24329 SHELAGONTSY | 6615N | 11410E | 236 | | 986.0 | 1020.8 | -41.2 | -2.9 | .2 | -3 | 4 | 14 | 3 | | 0 | |
| 24343 ZHIGANSK | 6646N | 12320E | 92 | | 1007.3 | 1021.0 | -40.9 | -4.2 | .2 | -1 | 7 | 16 | 3 | | 0 | |
| 24382 UST'-MOMA | 6627N | 14310E | 196 | | 991.0 | 1019.7 | -38.9 | | .2 | | 11 | 21 | | | 0 | |
| 24507 TURA | 6416N | 10010E | 168 | | 996.8 | 1023.5 | -32.5 | -4 | .5 | .0 | 8 | 15 | -6 | 2 | 0 | |
| 24606 KISLOKAN | 6335N | 10350E | 211 | | 992.3 | 1022.5 | -33.2 | | .5 | | 6 | 19 | | 4 | 8 | |
| 24641 VILJUJSK | 6346N | 12130E | 111 | | 1005.3 | 1021.8 | -39.8 | -4.8 | .2 | -2 | 2 | 9 | -6 | | 1 | |
| 24661 SEGEN-KYUEL' | 6400N | 13010E | 208 | | 993.4 | 1024.8 | -44.1 | | .2 | | 2 | 8 | | | | |
| 24671 TOMPO | 6357N | 13550E | 402 | | 967.1 | 1026.6 | -43.8 | | .1 | | 1 | 9 | | | 0 | |
| 24688 OJMJAKON | 6315N | 14300E | 741 | | 922.0 | 1029.8 | -45.7 | -1 | .1 | .0 | 7 | 18 | 8 | | 17 | |
| 24738 SUNTAR | 6209N | 11730E | 133 | | 1001.7 | 1021.7 | -35.9 | -4.7 | .4 | -2 | 5 | 14 | -3 | | 7 | |
| 24790 SUSUMAN | 6247N | 14810E | 655 | | 929.7 | 1020.8 | -35.9 | | .4 | | 8 | 16 | | | 13 | |
| 24817 ERBOGACEN | 6116N | 10800E | 291 | | 982.0 | 1022.8 | -29.3 | -3 | .6 | -1 | 7 | 21 | 3 | | 24 | 133 |
| 24908 VANAVARA | 6020N | 10210E | 260 | | 988.6 | 1025.0 | -27.3 | .2 | .6 | -3 | 12 | 30 | 4 | 4 | 23 | 85 |
| 24959 JAKUTSK | 6201N | 12940E | 101 | | 1008.9 | 1024.0 | -40.0 | -1.2 | .2 | .0 | | 4 | -8 | | 2 | |
| 24966 UST'-MAJYA | 6023N | 13420E | 170 | | 998.7 | 1024.2 | -41.5 | -2.5 | .2 | -1 | 3 | 7 | -6 | | 42 | 200 |
| 24967 TEGYULTYA | 6028N | 13000E | 171 | | 1000.9 | 1026.4 | -40.4 | | .2 | | 1 | 8 | | | | |

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. |
| 25062 MYS BILLINGSA | 6953N | 17540E | 3 | | 1014.7 | 1015.1 | -17.5 | | 1.5 | | 9 | 29 | | | | |
| 25138 OSTROVNOE | 6807N | 16410E | 94 | | 1002.9 | 1016.0 | -24.2 | | .9 | | 8 | 26 | | | | |
| 25173 MYS SHMIDTA | 6854N | 17920W | 4 | | 1015.5 | 1016.0 | -17.0 | 6.5 | 1.6 | .6 | 10 | 34 | 12 | | | |
| 25206 SREDNE-KOLYMSK | 6727N | 15340E | 21 | | 1012.4 | 1015.4 | -32.4 | | .4 | | 6 | 22 | | | | |
| 25248 ILIRNEJ | 6715N | 16750E | 353 | | 970.2 | 1018.6 | -25.8 | 7.4 | .8 | .3 | 8 | 28 | 11 | | | |
| 25282 MYS VANKAREM | 6750N | 17050W | 5 | | 1016.5 | 1017.1 | -15.3 | | 1.8 | | 8 | 31 | | | 0 | |
| 25325 UST'-OLOJ | 6633N | 15920E | 127 | | 998.4 | 1015.2 | -26.7 | 8.2 | 1.8 | 1.4 | 10 | 27 | 11 | | 0 | |
| 25356 EN' MUVEEM | 6623N | 17320E | 77 | | 1007.4 | 1018.2 | -24.2 | | 1.2 | | 9 | 43 | | | 0 | |
| 25378 EGVEKINOT | 6621N | 17900W | 26 | | 1014.0 | 1017.5 | -15.6 | | 1.8 | | 9 | 72 | | | | |
| 25399 MYS ULEN | 6610N | 16950W | 3 | | 1016.0 | 1017.0 | -11.9 | 5.2 | 2.3 | .6 | 2 | 8 | -20 | | 2 | |
| 25400 ZYRYANKA | 6544N | 15050E | 43 | | 1009.6 | 1015.8 | -35.9 | -6 | .3 | .0 | 9 | 32 | 15 | | 0 | |
| 25428 OMOLON | 6514N | 16030E | 264 | | 979.8 | 1015.6 | -25.6 | | .9 | | 5 | 19 | | | 0 | |
| 25503 KORKODON | 6445N | 15350E | 98 | | 1002.7 | 1017.0 | -34.6 | | .3 | | 10 | 36 | | | 1 | |
| 25551 MARKOVO | 6441N | 17020E | 26 | | 1012.9 | 1016.2 | -22.8 | 2.7 | 1.1 | .1 | 12 | 53 | 21 | | 9 | |
| 25563 ANADYR' | 6447N | 17730E | 61 | | 1008.3 | 1016.5 | -16.0 | 4.0 | 2.0 | .5 | 9 | 45 | 5 | | 23 | |
| 25677 BERINGOVSKAJA | 6303N | 17910E | 82 | | 1015.5 | 1016.1 | -12.9 | | 2.3 | | 7 | 14 | | | | |
| 25705 SREDNIKAN | 6227N | 15210E | 260 | | 979.9 | 1017.0 | -34.1 | | .3 | | 11 | 40 | | | 10 | |
| 25744 KAMENSKOE | 6226N | 16600E | 10 | | 1009.6 | 1015.1 | -18.7 | 4.1 | 1.2 | .1 | 13 | 81 | 43 | | 5 | |
| 25927 BROHOVO | 5939N | 15410E | 5 | | 1006.5 | 1007.2 | -10.5 | | 2.6 | | 12 | 53 | | 0 | 19 | |
| 25932 TAJGONOS | 6041N | 16020E | 30 | | 1004.6 | 1009.5 | -6.5 | | 3.5 | | 10 | 53 | | | 85 | |
| 25954 KORF | 6021N | 16600E | 4 | | 1011.7 | 1012.2 | -8.2 | 5.4 | 2.9 | .9 | 13 | 89 | 59 | 6 | 32 | 97 |
| 28009 KIRS | 5922N | 05213E | 169 | | 1005.6 | 1027.6 | -6.1 | | 4.0 | | 9 | 37 | | 2 | | |
| 28064 LEUSI | 5937N | 06543E | 72 | | 1015.9 | 1025.4 | -9.6 | 5.1 | 2.8 | .8 | 8 | 18 | -5 | 4 | 7 | 20 |
| 28138 BISER | 5831N | 05851E | 463 | | 969.3 | 1029.1 | -9.7 | 4.1 | 3.1 | .9 | 12 | 43 | -20 | 2 | 46 | 177 |
| 28224 PERM' | 5801N | 05618E | 171 | | 1006.9 | 1029.3 | -7.2 | | 3.6 | | 8 | 31 | | | 33 | 35 |
| 28255 TURINSK | 5803N | 06341E | 103 | | 1014.0 | 1027.5 | -8.6 | | 3.0 | | 4 | 20 | | 2 | 4 | 10 |
| 28275 TOBOL'SK | 5809N | 06815E | 50 | | 1020.8 | 1027.5 | -9.8 | 5.4 | 2.8 | .9 | 9 | 20 | -3 | 3 | 54 | 129 |
| 28418 SARAPUL | 5628N | 05344E | 133 | | 1013.3 | 1030.8 | -7.3 | | 3.5 | | 5 | 16 | | 1 | 69 | 230 |
| 28434 KRASNOUFIMSK | 5639N | 05747E | 206 | | 1004.2 | 1031.4 | -10.3 | 2.2 | 3.0 | .6 | 5 | 15 | -19 | 1 | 66 | 206 |
| 28493 TARA | 5654N | 07423E | 73 | | 1018.8 | 1028.6 | -12.5 | 3.0 | 2.4 | .6 | 8 | 25 | 0 | 3 | 70 | 127 |
| 28552 SADRINSK | 5604N | 06339E | 89 | | 1018.4 | 1030.2 | -7.4 | 5.0 | 3.2 | 1.0 | 3 | 8 | -16 | 1 | | |
| 28573 ISHIM | 5606N | 06926E | 82 | | 1018.9 | 1029.9 | -10.6 | | 2.7 | | 4 | 10 | | | 76 | |
| 28666 MAKUSINO | 5515N | 06718E | 140 | | | | -10.1 | | 2.6 | | 2 | 5 | | 1 | 95 | |
| 28698 OMSK | 5501N | 07323E | 122 | | 1014.5 | 1030.9 | -11.4 | 3.0 | 2.5 | .5 | 3 | 10 | -11 | | 59 | 97 |
| 28704 CULPANOV | 5430N | 05025E | 78 | | 1021.3 | 1031.5 | -7.8 | | 3.4 | | 1 | 5 | | 0 | 53 | 130 |
| 28722 UFA-DIOMA | 5443N | 05550E | 104 | | 1017.7 | 1031.5 | -8.8 | 2.0 | 3.1 | .4 | 3 | 6 | -40 | | 76 | 190 |
| 28748 TROIZK | 5405N | 06137E | 192 | | 1006.4 | 1031.6 | -8.5 | | 2.8 | | 3 | 9 | | 1 | 104 | 45 |
| 29111 SREDNY VASJUGAN | 5913N | 07814E | 69 | | 1016.4 | 1025.7 | -14.9 | | 2.0 | | 11 | 37 | | | 16 | |
| 29231 KOLPASEVO | 5819N | 08257E | 75 | | 1016.5 | 1026.9 | -17.0 | .5 | 1.6 | -.1 | 14 | 58 | 28 | | 26 | 67 |
| 29263 ENISEJSK | 5827N | 09209E | 79 | | 1016.7 | 1027.4 | -19.6 | -.7 | 1.4 | -.1 | 12 | 45 | 10 | 4 | 47 | 214 |
| 29282 BOGUCANY | 5823N | 09727E | 133 | | 1008.8 | 1027.2 | -20.8 | .6 | 1.2 | .0 | 10 | 26 | 7 | 5 | 24 | 171 |
| 29313 PUDINO | 5732N | 07922E | 97 | | 1014.9 | 1027.9 | -14.9 | | 2.0 | | 11 | 34 | | | 41 | |
| 29328 BAKCHAR | 5705N | 08155E | 110 | | 1013.7 | 1028.6 | -15.2 | | 1.9 | | 10 | 26 | | | 47 | |
| 29379 TASEEVO | 5712N | 09433E | 168 | | 1006.6 | 1029.5 | -19.3 | | 1.4 | | 6 | 25 | | | | |
| 29570 KRASNOJARSK OPYTNOE POLE | 5602N | 09245E | 276 | | 992.7 | 1029.4 | -14.2 | | 1.7 | | 12 | 50 | | 5 | | |
| 29594 TAJSHET | 5557N | 09800E | 307 | | 988.1 | 1029.3 | -17.1 | | 1.5 | | 11 | 47 | | | 59 | |

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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. |
| 29612 BARABINSK | 5520N | 07822E | 120 | | 1014.6 | 1030.7 | -13.1 | 2.3 | 2.3 | .4 | 4 | 12 | -10 | | 61 | 98 |
| 29645 KEMEROVO CGMS | 5515N | 08613E | 148 | | 1012.0 | 1032.1 | -15.8 | | 1.8 | | 12 | 45 | | | 50 | |
| 29752 NENASTNAYA | 5445N | 08849E | 1183 | | 882.7 | 1477 Y | -13.3 | | 1.7 | | 16 | 137 | | 3 | 85 | 140 |
| 29789 VERHNJAJA GUTARA | 5413N | 09658E | 984 | | 906.0 | 1031.6 | -17.0 | | 1.4 | | 9 | 19 | | | 22 | |
| 29866 MINUSINSK | 5342N | 09142E | 254 | | 998.5 | 1032.6 | -15.3 | .6 | 1.7 | .0 | 5 | 23 | 12 | 5 | 56 | 165 |
| 29939 BIJSK ZONAL'NAYA | 5241N | 08457E | 228 | | 1004.2 | 1034.5 | -14.7 | | 2.1 | | 8 | 33 | | 4 | | |
| 30054 VITIM | 5927N | 11230E | 190 | | 998.1 | 1024.7 | -26.5 | -.3 | .7 | -.2 | 18 | 45 | 11 | | 100 | 556 |
| 30089 DZHIKIMDA | 5901N | 12140E | 175 | | 1000.2 | 1025.9 | -36.4 | | .3 | | 6 | 17 | | | | |
| 30230 KIRENSK | 5746N | 10800E | 259 | | 991.3 | 1026.4 | -21.3 | 3.2 | 1.1 | .1 | 13 | 40 | 13 | | 27 | 93 |
| 30252 MAMAKAN | 5749N | 11410E | 249 | | 992.2 | 1027.0 | -27.2 | | .7 | | 12 | 33 | | | 26 | |
| 30309 BRATSK | 5617N | 10140E | 416 | | 972.5 | 1028.0 | -17.7 | -.1 | 1.5 | -.1 | 7 | 20 | 0 | | 41 | 95 |
| 30372 CHARA | 5654N | 11810E | 711 | | 929.0 | 1026.0 | -30.8 | -.2 | .4 | -.1 | 01 | 1 | -3 | 1 | 81 | 137 |
| 30385 UST'-NJUKZHA | 5635N | 12120E | 426 | | 965.7 | 1025.7 | -33.2 | | .4 | | 2 | 8 | | | 68 | |
| 30433 NIZHNEANGARSK | 5547N | 10930E | 487 | | 962.0 | 1025.4 | -17.8 | -.4 | 1.1 | -.1 | | 4 | -12 | 1 | 69 | 110 |
| 30521 ZHIGALOVO | 5448N | 10510E | 426 | | 973.9 | 1030.9 | -22.3 | 2.2 | 1.1 | .1 | 10 | 27 | 9 | | 35 | 74 |
| 30554 BAGDARIN | 5428N | 11330E | 903 | | 907.2 | 1026.2 | -25.4 | .9 | .7 | .0 | 0 | T | -2 | 1 | 108 | 115 |
| 30612 BALAGANSK | 5400N | 10300E | 427 | | 973.9 | 1031.6 | -20.6 | | 1.1 | | 6 | 20 | | | | |
| 30636 BARGUZIN | 5337N | 10930E | 489 | | 960.6 | 1025.5 | -19.2 | | 1.4 | | 15 | 90 | | 5 | 33 | 56 |
| 30650 ROMANOVKA | 5312N | 11240E | 923 | | 905.3 | 1026.4 | -21.8 | | .9 | | 0 | T | | 1 | | |
| 30673 MOGOCHA | 5345N | 11940E | 625 | | 939.4 | 1024.9 | -29.2 | -1.6 | .5 | -.1 | 1 | 5 | 0 | 3 | 104 | 102 |
| 30710 IRKUTSK | 5216N | 10410E | 469 | | 968.8 | 1032.6 | -16.4 | -.4 | 1.6 | -.1 | 7 | 15 | -4 | | 83 | 134 |
| 30758 CHITA | 5205N | 11320E | 671 | | 937.2 | 1025.3 | -18.9 | 3.9 | 1.1 | .2 | 0 | T | -4 | 0 | 107 | 99 |
| 30777 SRE'TENSK | 5214N | 11740E | 525 | | 952.8 | 1023.4 | -23.5 | | .8 | | 2 | 9 | | 5 | 111 | 94 |
| 30844 HILOK | 5121N | 11020E | 802 | | 924.4 | 1028.4 | -18.5 | | 1.1 | | 1 | 5 | | 2 | | |
| 30879 NERCHINSKIJ ZAVOD | 5119N | 11930E | 619 | | 940.7 | 1023.7 | -25.1 | -.5 | .6 | -.2 | 1 | 7 | 2 | 4 | 126 | 115 |
| 30925 KJAHTA | 5022N | 10620E | 797 | | 927.6 | 1030.3 | -16.2 | | 1.3 | | 01 | 1 | | 1 | 148 | 121 |
| 30935 KRASN'YJ CHIKOJ | 5022N | 10840E | 771 | | 930.6 | 1031.0 | -18.5 | | 1.1 | | | 3 | | 1 | 87 | 75 |
| 30949 KYRA | 4934N | 11150E | 908 | | 910.9 | 1026.8 | -16.6 | 2.0 | 1.2 | .1 | 1 | 2 | 0 | 3 | 168 | 110 |
| 30965 BORZYA | 5024N | 11630E | 676 | | 935.7 | 1025.0 | -21.9 | 1.3 | 1.0 | .1 | 1 | 4 | 1 | 4 | 140 | 101 |
| 31004 ALDAN | 5837N | 12520E | 679 | | 931.3 | 1023.6 | -29.5 | -4.3 | .5 | -.3 | 6 | 15 | -16 | | 35 | 85 |
| 31088 OHOTSK | 5922N | 14310E | 6 | | 1006.1 | 1006.9 | -19.7 | .3 | 1.5 | .5 | 11 | 53 | 36 | 5 | 68 | 126 |
| 31137 TOKO | 5617N | 13100E | 850 | | 909.5 | 1027.2 | -36.9 | | .3 | | 9 | 21 | | | | |
| 31152 NEL' KAN | 5739N | 13600E | 318 | | 977.0 | 1023.1 | -38.7 | | .2 | | 6 | 35 | | | | |
| 31168 AYAN | 5627N | 13800E | 8 | | 1009.0 | 1010.2 | -18.1 | -1.6 | 1.1 | .1 | 9 | 35 | 0 | | 45 | 64 |
| 31174 BOL'SHOJ SHANTAR | 5450N | 13730E | 21 | | 1010.1 | 1011.1 | -17.6 | | 1.4 | | 11 | 60 | | | 12 | |
| 31253 BOMNAK | 5443N | 12850E | 357 | | 969.8 | 1020.5 | -29.7 | .3 | .6 | .1 | 5 | 13 | 3 | 4 | 170 | 200 |
| 31329 EKIMCHAN | 5304N | 13250E | 542 | | 946.4 | 1020.6 | -29.2 | .6 | .6 | .1 | 8 | 32 | 19 | 5 | 96 | 91 |
| 31369 NIKOLAEVSK-NA-AMURE | 5309N | 14040E | 68 | | 1000.7 | 1009.7 | -19.1 | 1.2 | 1.6 | .4 | 11 | 90 | 45 | | | |
| 31416 IM POLINY OSlPENKO | 5225N | 13630E | 73 | | 1002.8 | 1012.7 | -21.1 | 3.9 | 1.1 | .3 | 4 | 12 | -3 | | 103 | 89 |
| 31439 BOGORODSKOE | 5223N | 14020E | 35 | | 1005.8 | 1010.5 | -19.5 | | 1.4 | | 9 | 59 | | | | |
| 31478 SOFIJSKIJ PRIISK | 5216N | 13350E | 902 | | 900.4 | 1020.3 | -29.0 | | .8 | | 11 | 39 | | 0 | | |
| 31707 EKATERINO-NIKOL'SKOE | 4744N | 13050E | 73 | | 1008.3 | 1018.1 | -18.1 | -.2 | 1.3 | .1 | 5 | 12 | 2 | | 127 | 84 |
| 31770 SOVETSKAYA GAVAN' | 5100N | 13950E | 238 | | 1008.0 | 1011.2 | -11.6 | | 1.8 | | 5 | 27 | | | 120 | 90 |
| 31829 ZOLOTOJ | 4719N | 13850E | 26 | | 1008.6 | 1012.0 | -7.8 | 1.2 | 2.2 | .4 | 3 | 21 | -3 | | | |
| 31873 DAL'NERECHENSK | 4552N | 13340E | 101 | | 1005.8 | 1019.2 | -13.3 | | 1.8 | | 5 | 18 | | | | |
| 31960 VLADIVOSTOK | 4307N | 13150E | 183 | | 995.2 | 1019.5 | -7.4 | 2.1 | 2.6 | .4 | 1 | 19 | 0 | | 138 | 88 |

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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. |
| 31989 PREOBRAZHENIE | 4254N | 13350E | 43 | | 1011.9 | 1017.4 | -4.5 | | 2.8 | | 4 | 29 | | | | |
| 32027 POGIBI | 5213N | 14130E | 6 | | 1010.5 | 1011.4 | -16.2 | | 1.9 | | 10 | 22 | | | 70 | |
| 32061 ALEKSANDROVSK-SAHALINSKI | 5054N | 14210E | 31 | | 1005.7 | 1009.7 | -9.8 | 2.9 | 2.5 | .5 | 18 | 91 | 36 | 6 | 31 | 54 |
| 32076 POGRANICHNOE | 5024N | 14340E | 8 | | 1007.8 | 1008.9 | -11.6 | | 1.5 | | 7 | 32 | | 2 | 16 | 10 |
| 32098 PORONAJSK | 4913N | 14300E | 8 | | 1008.4 | 1009.4 | -11.0 | 1.9 | 2.4 | .5 | 8 | 26 | -13 | 2 | 110 | 90 |
| 32099 MYS TERPENIYA | 4839N | 14440E | 6 | | 1013.1 | 1013.9 | -4.5 | | 2.8 | | 11 | 36 | | | 95 | |
| 32150 JUZHNO-SAHALINSK | 4657N | 14240E | 24 | | 1007.4 | 1010.4 | -5.3 | 3.4 | 3.6 | .7 | 17 | 92 | 29 | 5 | 87 | 85 |
| 32165 JUZHNO-KURIL'SK | 4401N | 14550E | 49 | | 1006.0 | 1012.1 | .9 | 1.9 | 5.3 | 1.0 | 9 | 51 | -18 | 1 | 99 | 88 |
| 32213 MYS LOPATKA | 5052N | 15640E | 47 | | 1002.3 | 1008.6 | -.5 | | 5.4 | | 16 | 72 | | 2 | 31 | 60 |
| 32287 UST'-HAJRJUZOVO | 5705N | 15640E | 8 | | 1005.7 | 1006.7 | -4.2 | | 3.9 | | 14 | 66 | | 4 | 30 | 65 |
| 32389 KLJUCHI | 5619N | 16050E | 29 | | 1006.5 | 1010.3 | | | 2.7 | .6 | 13 | 125 | 61 | 2 | 44 | 105 |
| 32477 SOBOLEVO | 5418N | 15550E | 14 | | 1004.3 | 1007.5 | -3.7 | | 4.0 | | 20 | 128 | | 6 | 25 | 35 |
| 32509 SEMYACHIK | 5407N | 15950E | 27 | | 1005.4 | 1008.8 | -2.9 | | 3.6 | | 16 | 230 | | | 4 | 20 |
| 32618 OSTROV BERINGA | 5512N | 16550E | 18 | | 1008.5 | 1010.8 | .1 | 2.1 | 5.2 | .8 | 12 | 71 | 2 | 3 | 23 | 70 |
| 35011 SOROCHINSK | 5226N | 05308E | 123 | | 1016.3 | 1032.5 | -7.3 | | 2.9 | | 2 | 6 | | 1 | | |
| 36038 ZMEINOGORSK | 5109N | 08212E | 355 | | 988.9 | 1035.9 | -13.0 | | 2.0 | | 8 | 38 | | | 85 | |
| 36064 YAJLU | 5146N | 08736E | 480 | | 974.6 | 1034.2 | -6.3 | | 2.8 | | 8 | 68 | | | 94 | |
| 36096 KYZYL | 5143N | 09430E | 628 | | 957.5 | 1043.7 | -24.7 | | .8 | | 5 | 14 | | 3 | 88 | 135 |
| 36229 UST'-KOKSA | 5017N | 08537E | 978 | | 915.5 | 1041.7 | -17.5 | | 1.5 | | 3 | 7 | | | 122 | |
| 36259 KOSH-AGACH | 5001N | 08841E | 1759 | | 827.5 | 1567 Y | -26.8 | | .8 | | 4 | 8 | | | 150 | |
| 36307 ERZIN | 5016N | 09507E | 1101 | | 902.0 | 1527 Y | -24.6 | | .5 | | 7 | 19 | | 0 | | |
| KAZAKHSTAN | | | | | | | | | | | | | | | | |
| 28679 PETROPAVLOVSK | 5450N | 06909E | 142 | | 1012.5 | 1031.3 | -11.1 | 2.8 | 2.5 | .4 | 1 | 4 | -16 | 1 | 30 | 48 |
| 28766 BLAGOVESHCHENKA | 5422N | 06658E | 151 | | 1011.3 | 1031.4 | -11.1 | | 2.4 | | 2 | 4 | | 2 | | |
| 28879 KOKSHETAY | 5317N | 06923E | 229 | | 1002.1 | 1032.5 | -11.2 | .6 | 2.2 | .0 | 4 | 13 | 2 | 4 | 108 | 144 |
| 28952 KOSTANAY | 5313N | 06337E | 170 | | 1012.4 | 1032.6 | -9.8 | 2.9 | 2.3 | .0 | | 2 | -18 | | 107 | 137 |
| 28966 RUZAEVKA | 5249N | 06658E | 227 | | 1002.6 | 1032.7 | -11.8 | | 2.3 | | 2 | 6 | | | | |
| 29807 IRTYSHSK | 5321N | 07527E | 94 | | 1019.7 | 1032.3 | -12.8 | 1.4 | 2.1 | .0 | 3 | 8 | -7 | | | |
| 35067 ESIL' | 5153N | 06620E | 221 | | 1004.0 | 1033.3 | -11.6 | | 2.3 | | 1 | 8 | | 2 | | |
| 35078 ATBASAR | 5149N | 06822E | 304 | | 993.6 | 1033.9 | -13.5 | .3 | 2.2 | .1 | 3 | 12 | -8 | 3 | 95 | 113 |
| 35108 URALSK | 5115N | 05117E | 37 | | 1026.6 | 1031.4 | -7.2 | 1.2 | 3.1 | .0 | 1 | 3 | -25 | 0 | 140 | 215 |
| 35188 ASTANA | 5108N | 07122E | 350 | | 988.2 | 1034.1 | -11.4 | 1.2 | 2.2 | -1.1 | 6 | 21 | 4 | 5 | 117 | 124 |
| 35217 DZHAMBEJTY | 5015N | 05234E | 32 | | 1027.0 | 1031.2 | -7.1 | | 3.1 | | 1 | 5 | | | | |
| 35229 AKTOBE | 5017N | 05709E | 219 | | 1004.1 | 1032.9 | -9.9 | .1 | 2.5 | -3 | 5 | 17 | -8 | 4 | 98 | 146 |
| 35394 KARAGANDA | 4948N | 07309E | 553 | | 963.2 | 1034.7 | -11.1 | .0 | 2.2 | -2 | 8 | 30 | 8 | | 104 | 105 |
| 35406 TAIPAK | 4903N | 05152E | 2 | | 1029.5 | 1029.7 | -6.2 | .6 | 2.9 | -6 | 5 | 11 | -11 | | 137 | 193 |
| 35416 UIL | 4904N | 05441E | 128 | | 1018.4 | 1031.1 | -7.8 | -4 | 2.7 | -5 | 1 | 5 | -17 | 5 | 156 | 208 |
| 35426 TEMIR | 4909N | 05707E | 234 | | 1001.4 | 1032.2 | -9.3 | | 2.4 | | 2 | 13 | | 2 | | |
| 35671 ZHEKAZGAN | 4748N | 06743E | 346 | | 987.4 | 1032.3 | -8.7 | | 2.6 | | 7 | 25 | | | 145 | |
| 35700 ATYRAU | 4707N | 05155E | -22 | | 1030.9 | 1028.4 | -5.1 | -.8 | 3.5 | -6 | 7 | 23 | 11 | | 117 | 156 |
| 35746 ARALSKOE MORE | 4647N | 06139E | 62 | | 1021.1 | 1029.4 | -7.4 | -.3 | 2.9 | -4 | 5 | 21 | 10 | 4 | 142 | 134 |
| 35796 BALHASH | 4648N | 07505E | 350 | | 988.6 | 1034.0 | -8.3 | 1.6 | 2.6 | .0 | 5 | 11 | -2 | | 149 | 114 |
| 35849 KAZALINSK | 4546N | 06207E | 68 | | 1019.9 | 1028.8 | -6.5 | -.9 | 3.4 | -2 | 5 | 12 | 0 | 3 | | |
| 35925 SAM | 4524N | 05607E | 88 | | 1017.2 | 1028.8 | -7.1 | -3.3 | 2.9 | -1.4 | 6 | 26 | 14 | | | |
| 35953 DZHUSALY | 4530N | 06405E | 103 | | 1016.0 | 1029.4 | -5.6 | | 3.4 | | 5 | 12 | | 3 | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 36003 PAVLODAR | 5218N | 07656E | 122 | | 1016.8 | 1033.2 | -13.6 | | 2.1 | | 7 | 19 | | 0 | 100 | 30 |
| 36177 SEMIPALATINSK | 5025N | 08018E | 196 | | 1009.4 | 1035.5 | -12.2 | .3 | 2.1 | -.1 | 5 | 19 | -1 | 3 | 118 | 126 |
| 36208 LENINOGORSK | 5020N | 08333E | 811 | | 932.7 | 1037.2 | -12.0 | -1.5 | 2.0 | -.1 | 8 | 33 | 11 | 4 | | |
| 36428 BOL'SHE NARYMSKOE | 4912N | 08431E | 401 | | 984.6 | 1038.5 | -16.9 | | 1.5 | | 4 | 15 | | | 152 | 170 |
| 36535 KOKPEKTY | 4845N | 08222E | 512 | | 971.2 | 1039.1 | -16.5 | .4 | 1.3 | -.3 | 5 | 15 | -18 | | 94 | 92 |
| 36859 ZHARKENT | 4410N | 08004E | 645 | | 950.9 | 1030.7 | -3.1 | 1.3 | 3.6 | .0 | 3 | 7 | -5 | | 120 | 82 |
| 36870 ALMATY | 4314N | 07656E | 851 | | 926.7 | 1030.1 | -2.2 | 1.6 | 4.1 | .2 | 5 | 22 | -11 | 2 | 87 | 86 |
| 38001 FORT SHEVCHENKO | 4433N | 05015E | -25 | | 1028.9 | 1025.8 | .2 | -1.7 | 4.7 | -.4 | 5 | 22 | 6 | | | |
| 38062 KYZYLORDA | 4451N | 06530E | 130 | | 1011.8 | 1028.7 | -4.2 | .6 | 3.2 | -.7 | 7 | 15 | -4 | 4 | | |
| 38069 CHILI | 4410N | 06645E | 153 | | 1008.5 | 1028.0 | -1.5 | | 4.0 | | 2 | 6 | | 1 | | |
| 38198 TURKESTAN | 4316N | 06813E | 207 | | 1000.7 | 1027.2 | -.7 | .7 | 4.7 | .0 | 5 | 14 | -16 | | | |
| 38328 SHYMKENT | 4219N | 06942E | 604 | | 952.9 | 1026.6 | 1.5 | | 5.5 | | 10 | 63 | | 5 | 76 | |
| 38334 AUL TURARA RYSKULOVA | 4229N | 07018E | 808 | | 929.5 | 1026.6 | 1.0 | | 4.9 | | 13 | 85 | | 3 | | |
| 38341 ZHAMBYL | 4251N | 07123E | 655 | | 948.8 | 1029.2 | -2.3 | | 4.4 | | 10 | 42 | | 4 | | |
| 38343 KULAN | 4257N | 07245E | 683 | | 943.2 | 1029.4 | -6.2 | | 4.5 | | 8 | 370 | | 5 | | |
| 38439 CHARDARA | 4122N | 06800E | 275 | | 992.4 | 1026.7 | 1.3 | | 5.3 | | 7 | 29 | | | | |
| TAJIKISTAN | | | | | | | | | | | | | | | | |
| 38836 DUSHANBE | 3833N | 06847E | 800 | | 930.2 | 1024.9 | 5.4 | .6 | 5.8 | -.1 | 8 | 38 | -21 | | 66 | 55 |
| TURKMENISTAN | | | | | | | | | | | | | | | | |
| 38388 EKEZHE | 4102N | 05746E | 62 | | 1019.3 | 1026.8 | -2.4 | | 4.0 | | 1 | 5 | | | 131 | |
| 38507 TURKMENBASHI | 4003N | 05300E | 82 | | 1014.6 | 1025.1 | 3.8 | -.9 | 6.0 | -.6 | 6 | 11 | -3 | | 123 | 99 |
| 38511 CHAGYL | 4047N | 05520E | 115 | | 1011.8 | 1026.4 | -.1 | | 4.8 | | 2 | 3 | | | 147 | |
| 38545 DARGANATA | 4028N | 06217E | 142 | | 1008.0 | 1026.0 | 1.4 | | 3.9 | | 3 | 5 | | | 138 | |
| 38656 ERBENT | 3919N | 05836E | 87 | | 1014.5 | 1025.8 | 2.6 | .0 | 4.7 | -.9 | 1 | 1 | -12 | | | |
| 38687 CHARDZHEV | 3905N | 06336E | 190 | | 1001.9 | 1025.9 | 3.8 | .5 | 5.8 | .0 | 4 | 5 | -12 | | 147 | 111 |
| 38750 ESENGYLY | 3728N | 05338E | -22 | | 1026.7 | 1023.8 | 8.1 | 1.3 | 8.7 | .5 | 6 | 20 | -7 | | 135 | 89 |
| 38763 GYZYLARBAT | 3859N | 05617E | 92 | | 1014.2 | 1025.0 | 3.0 | -.3 | 5.4 | -.9 | 7 | 40 | 16 | | 111 | 101 |
| 38880 ASHGABAT KESHI | 3755N | 05808E | 312 | | 999.8 | 1025.8 | 4.5 | .0 | 5.6 | -.8 | 0 | T | -21 | | | |
| 38895 BAJRAMALY | 3736N | 06211E | 240 | | 996.1 | 1025.6 | 5.4 | .6 | 6.1 | .7 | 0 | 0 | -24 | | 117 | 91 |
| 38974 SARAGT | 3632N | 06113E | 275 | | 990.6 | 1024.5 | 6.5 | .6 | 6.4 | .7 | 2 | 6 | -20 | | 145 | 100 |
| UZBEKISTAN | | | | | | | | | | | | | | | | |
| 38178 AK-BAJTAL | 4309N | 06420E | 234 | | 998.4 | 1028.1 | -2.8 | .0 | 3.8 | -.5 | 2 | 3 | -14 | 0 | | |
| 38262 CHIMBAJ | 4257N | 05949E | 66 | | 1019.8 | 1028.4 | -2.8 | -.5 | 3.3 | -1.0 | 5 | 15 | -2 | 4 | 143 | 138 |
| 38396 URGENCH | 4134N | 06034E | 101 | | 1013.9 | 1026.9 | -1.4 | -.3 | 4.2 | .0 | 2 | 8 | -19 | 3 | | |
| 38403 BUZAUBAJ | 4145N | 06228E | 98 | | 1014.5 | 1027.1 | -.7 | .4 | 3.2 | -1.0 | 3 | 4 | -23 | 2 | | |
| 38413 TAMDY | 4144N | 06437E | 237 | | 997.3 | 1027.2 | .3 | .1 | 4.4 | -.2 | 3 | 6 | -9 | 0 | 138 | 129 |
| 38457 TASHKENT | 4116N | 06916E | 488 | | 966.3 | 1025.9 | 3.8 | .6 | 6.6 | 1.2 | 11 | 51 | -2 | 3 | 72 | 69 |
| 38611 NAMANGAN | 4059N | 07135E | 474 | | 969.3 | 1027.4 | 3.3 | 1.3 | 6.4 | .9 | 8 | 25 | 9 | 4 | 63 | 59 |
| 38618 FERGANA | 4022N | 07145E | 577 | | 955.4 | 1025.6 | 2.6 | 1.3 | 6.4 | .9 | 7 | 44 | 31 | 6 | 76 | 80 |
| 38683 BUHARA | 3943N | 06437E | 226 | | 997.0 | 1025.2 | 3.4 | .8 | 5.6 | .0 | 1 | 12 | -1 | 0 | | |
| 38696 SAMARKAND | 3934N | 06657E | 724 | | 938.1 | 1024.8 | 3.6 | .3 | 6.7 | 1.2 | 6 | 42 | 1 | 3 | 124 | 95 |

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. |
| 38812 KARSHI | 3848N | 06543E | 376 | | 978.5 | 1024.3 | 5.0 | 1.3 | 6.4 | .9 | 5 | 14 | -3 | 1 | | |
| 38927 TERMEZ | 3714N | 06716E | 310 | | 986.6 | 1024.8 | 5.5 | .0 | 7.0 | .3 | 6 | 19 | 3 | 4 | 149 | 107 |
| SAUDI ARABIA | | | | | | | | | | | | | | | | |
| 40356 TURAIF | 3141N | 03844E | 855 | | 921.2 | 1557 Y | 8.9 | | 5.9 | | 1 | 3 | | | 227 | |
| 40357 ARAR | 3054N | 04108E | 555 | | 955.6 | 1020.1 | 10.6 | | 6.3 | | 0 | 0 | | | | |
| 40360 GURIAT | 3124N | 03717E | 509 | | 960.1 | 1019.0 | 9.5 | | 6.4 | | 1 | 2 | | | 221 | |
| 40361 AL-JOUF | 2947N | 04006E | 689 | | 942.1 | 1019.8 | 11.7 | | 4.8 | | 0 | 0 | | | | |
| 40362 RAFHA | 2937N | 04329E | 449 | | 966.0 | 1017.2 | 17.1 | | 11.0 | | 2 | 52 | | | 133 | |
| 40373 AL-QAISUMAH | 2819N | 04608E | 358 | | 976.7 | 1019.1 | 12.4 | | 4.9 | | 0 | 0 | | | | |
| 40375 TABUK | 2823N | 03636E | 778 | | 930.4 | 1018.6 | 12.6 | | 5.4 | | 1 | 1 | | | 258 | |
| 40394 HAIL | 2726N | 04141E | 1015 | | 905.7 | 1526 Y | 11.5 | | 5.2 | | 0 | 0 | | | 275 | |
| 40400 AL-WEJH | 2612N | 03629E | 24 | | 1012.6 | 1015.4 | 21.2 | | 13.5 | | 1 | 15 | | | 267 | |
| 40405 GASSIM | 2618N | 04346E | 648 | | 944.7 | 1019.4 | 13.5 | | 8.1 | | 0 | 0 | | | | |
| 40416 DHAHRAN | 2616N | 05010E | 26 | | 1015.7 | 1017.7 | 16.7 | -.3 | 11.2 | .8 | 1 | 1 | -10 | | | |
| 40417 K.F.I.A. (KING FAHAD INT. AI | 2627N | 04949E | 22 | | 1017.7 | 1019.2 | 15.0 | | 7.7 | | 0 | 0 | | | | |
| 40420 AL-AHSA | 2518N | 04929E | 179 | | 998.3 | 1019.4 | 15.0 | | 6.7 | | 0 | 0 | | | | |
| 40430 AL-MADINAH | 2433N | 03942E | 654 | | 943.2 | 1015.0 | 19.5 | .5 | 6.4 | -.2 | 0 | 0 | -3 | | 242 | |
| 40437 KING KHALED INT. AIRPORT | 2456N | 04643E | 614 | | 949.2 | 1020.6 | 15.3 | | 7.0 | | 0 | 0 | | | 261 | |
| 40438 RIYADH OBS. (O.A.P.) | 2442N | 04644E | 635 | | 949.1 | 1020.8 | 14.7 | -.7 | 6.6 | -1.4 | 0 | 0 | -10 | | 278 | |
| 40439 YENBO | 2408N | 03804E | 10 | | 1012.4 | 1013.3 | 23.2 | | 11.6 | | 0 | 0 | | | | |
| 41024 JEDDAH (KING ABDUL AZIZ INT. | 2142N | 03911E | 17 | | 1011.8 | 1013.7 | 25.8 | 1.1 | 16.5 | -2.1 | 0 | 0 | -11 | | 259 | |
| 41030 MAKKAH | 2126N | 03946E | 240 | | 985.2 | 1012.2 | 26.7 | | 17.0 | | 0 | 0 | | | | |
| 41055 AL-BAHA | 2018N | 04139E | 1672 | | 837.9 | 1525 Y | 16.3 | | 8.3 | | 0 | 0 | | | 297 | |
| 41061 WADI AL-DAWASSER AIRPORT | 2030N | 04515E | 629 | | 946.8 | 1018.1 | 15.6 | | 7.6 | | 0 | 0 | | | 310 | |
| 41084 BISHA | 1959N | 04238E | 1167 | | 887.6 | 1525 Y | 16.7 | | 6.0 | | 0 | 0 | | | 306 | |
| 41112 ABHA | 1814N | 04239E | 2093 | | 795.9 | 1530 Y | 13.8 | | 8.2 | | 0 | 0 | | | 293 | |
| 41114 KHAMIS MUSHAIT | 1818N | 04248E | 2066 | | 799.1 | 1526 Y | 14.7 | | 8.8 | | 0 | 0 | | | 306 | |
| 41128 NAJRAN | 1737N | 04425E | 1214 | | 883.5 | 1537 Y | 16.9 | | 5.2 | | 0 | 0 | | | 269 | |
| 41140 GIZAN | 1653N | 04235E | 7 | | 1012.6 | 1013.4 | 26.8 | | 24.1 | | 0 | 0 | | | | |
| IRAN, ISLAMIC REPUBLIC OF | | | | | | | | | | | | | | | | |
| 40706 TABRIZ | 3805N | 04617E | 1367 | | 867.9 | 1025.4 | 1.7 | 1.4 | 3.9 | -.6 | 1 | 3 | -23 | | 181 | 141 |
| 40712 ORUMIEH | 3732N | 04505E | 1316 | | 870.6 | 1024.7 | .8 | .4 | 4.6 | -.1 | 2 | 13 | -19 | | 182 | 154 |
| 40745 MASHHAD | 3616N | 05938E | 999 | | 907.1 | 1024.1 | 5.2 | 2.6 | 6.5 | 1.2 | 3 | 13 | -13 | | 124 | 81 |
| 40766 KERMANSHAH | 3416N | 04707E | 1322 | | 872.2 | 1022.9 | 4.3 | .8 | 4.7 | -.8 | 2 | 21 | -49 | | 200 | 136 |
| 40800 ESFAHAN | 3228N | 05140E | 1550 | | 846.9 | 1021.4 | 4.9 | .5 | 4.5 | -.1 | 1 | 3 | -16 | | 213 | 103 |
| 40841 KERMAN | 3015N | 05658E | 1754 | | 827.0 | 1019.6 | 6.1 | -.1 | 5.5 | 1.4 | 5 | 34 | 16 | | 219 | 110 |
| 40848 SHIRAZ | 2932N | 05232E | 1481 | | 854.7 | 1020.3 | 7.4 | .6 | 5.3 | -.5 | 0 | T | -63 | | 262 | 121 |
| AFGHANISTAN, ISLAMIC STATE OF | | | | | | | | | | | | | | | | |
| 40948 KABUL AIRPORT | 3433N | 06913E | 1791 | | | | 4.4 | 3.8 | | | 2 | 5 | -16 | | | |
| 40990 KANDAHAR AIRPORT | 3130N | 06551E | 1010 | | | | 10.3 | 3.0 | | | 3 | 19 | -1 | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| BAHRAIN 41150 BAHRAIN (INT. AIRPORT) | 2616N | 05039E | 2 | | 1018.7 | 1018.9 | 18.1 | -1.2 | 13.5 | -3.4 | 0 | 0 | -10 | 1 | 268 | 119 |
| QATAR 41170 DOHA INTERNATIONAL AIRPORT | 2515N | 05134E | 11 | | 1018.6 | 1019.5 | 19.0 | -.2 | 16.2 | .2 | 1 | 4 | -8 | | 293 | 122 |
| UNITED ARAB EMIRATES 41217 ABU DHABI INTER. AIRPORT | 2426N | 05439E | 27 | | 1015.0 | 1017.8 | 18.8 | -1.1 | 14.8 | -.7 | 3 | 8 | -1 | 4 | 241 | 96 |
| OMAN 41256 SEEB, INT'L AIRPORT | 2335N | 05817E | 15 | | 1015.7 | 1016.7 | 22.3 | | 16.8 | | 0 | 0 | | 0 | 100 | |
| 41268 SUR | 2232N | 05928E | 14 | | 1015.4 | 1017.1 | 21.8 | | 14.7 | | 0 | 0 | | 5 | | |
| 41288 MASIRAH | 2040N | 05854E | 19 | | 1015.2 | 1017.5 | 22.6 | | 16.6 | | 0 | 0 | | 5 | | |
| 41314 THUMRAIT | 1740N | 05401E | 467 | | 966.7 | 1020.4 | 17.9 | | 6.9 | | 0 | 0 | | 5 | | |
| 41316 SALALAH | 1702N | 05405E | 23 | | 1014.2 | 1016.9 | 23.1 | | 10.9 | | 0 | 0 | | 5 | 297 | |
| PAKISTAN 41515 DROSH | 3534N | 07147E | 1465 | | | 1552 Y | 7.7 | 1.1 | 4.5 | | 5 | 50 | 4 | 4 | | |
| 41530 PESHAWAR | 3401N | 07135E | 360 | | 975.6 | 1017.7 | 14.2 | 1.7 | 10.2 | | 5 | 42 | 19 | 5 | | |
| 41560 PARACHINAR | 3352N | 07005E | 1726 | | 831.4 | 1546 Y | 4.4 | -2.3 | 4.6 | | 6 | 58 | 25 | 5 | | |
| 41571 ISLAMABAD AIRPORT | 3337N | 07306E | 508 | | | 1018.1 | 13.0 | 1.4 | 10.2 | | 5 | 78 | 41 | 5 | | |
| 41598 JHELUM | 3256N | 07343E | 234 | | 989.3 | 1016.9 | 14.6 | 1.0 | 11.7 | | 4 | 54 | 24 | 5 | | |
| 41600 SIALKOT | 3230N | 07432E | 256 | | 986.6 | 1016.6 | 14.3 | 1.5 | 13.5 | | 4 | 18 | -12 | 3 | | |
| 41620 ZHOB | 3121N | 06928E | 1407 | | 861.8 | 1519 Y | 10.2 | 2.0 | 5.4 | | 4 | 12 | -1 | 4 | | |
| 41624 DERA ISMAIL KHAN | 3149N | 07055E | 173 | | 996.8 | 1017.1 | 14.8 | 1.2 | 11.6 | | 3 | 17 | 7 | 5 | | |
| 41640 LAHORE CITY | 3133N | 07420E | 215 | | 991.6 | 1016.8 | 16.2 | 2.0 | 12.7 | | 3 | 8 | -5 | 4 | | |
| 41660 QUETTA AIRPORT | 3015N | 06653E | 1589 | | 845.4 | 1544 Y | 8.0 | 2.9 | 5.7 | | 3 | 9 | -21 | 2 | | |
| 41675 MULTAN | 3012N | 07126E | 123 | | 1003.2 | 1017.6 | 15.2 | 1.1 | 12.7 | | 6 | 78 | 72 | 6 | | |
| 41685 BARKHAN | 2953N | 06943E | 1098 | | | 1513 Y | 13.0 | .8 | 7.0 | | 4 | 36 | 30 | 5 | | |
| 41710 NOKKUNDI | 2849N | 06245E | 683 | | 940.5 | 1018.7 | 14.0 | .8 | 3.8 | | 1 | 2 | 1 | 4 | | |
| 41712 DAL BANDIN | 2853N | 06424E | 850 | | 922.1 | 1522 Y | 13.2 | 2.3 | 6.3 | | 3 | 9 | 2 | 4 | | |
| 41715 JACOBABAD | 2818N | 06828E | 56 | | 1010.5 | 1017.2 | 17.2 | .8 | 14.5 | | 6 | 125 | 122 | 6 | | |
| 41718 KHANPUR | 2839N | 07041E | 88 | | 1006.1 | 1016.6 | 15.9 | 1.5 | 13.6 | | 6 | 79 | 76 | 6 | | |
| 41739 PANJGUR | 2658N | 06406E | 981 | | 906.3 | 1514 Y | 13.5 | 1.4 | 6.0 | | 2 | 7 | -2 | 3 | | |
| 41744 KHUZDAR | 2750N | 06638E | 1232 | | 878.7 | 1509 Y | 13.6 | 1.7 | 6.2 | | 4 | 110 | 95 | 6 | | |
| 41749 NAWABSHAH | 2615N | 06822E | 38 | | 1013.5 | 1016.7 | 17.3 | .9 | 13.7 | | 4 | 48 | 46 | 6 | | |
| 41756 JIWANI | 2504N | 06148E | 57 | | 1009.1 | 1015.7 | 21.2 | .8 | 15.2 | | 1 | 28 | 8 | 4 | | |
| 41759 PASNI | 2516N | 06329E | 6 | | 1015.4 | 1016.0 | 20.4 | | 16.5 | | 2 | 43 | 22 | 5 | | |
| 41768 CHHOR | 2531N | 06947E | 6 | | 1014.8 | 1015.5 | 19.6 | 2.3 | 14.4 | | 4 | 12 | 11 | 6 | | |
| 41780 KARACHI AIRPORT | 2454N | 06708E | 22 | | 1013.5 | 1016.3 | 21.3 | 1.8 | 14.3 | | 3 | 21 | 17 | 5 | | |
| INDIA | | | | | | | | | | | | | | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|-----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 42027 SRINAGAR | 3405N | 07450E | 1587 | | 846.7 | 1554 Y | 5.5 | 2.1 | 7.0 | | 8 | 60 | 6 | 4 | 75 | |
| 42071 AMRITSAR | 3138N | 07452E | 234 | | 988.9 | 1016.7 | 12.9 | .0 | 11.5 | | 3 | 11 | -7 | 3 | 51 | 28 |
| 42165 BIKANER | 2800N | 07318E | 224 | | 989.5 | 1015.5 | 18.6 | 2.5 | 10.6 | | 2 | 6 | 5 | 5 | | |
| 42182 NEW DELHI/SAFDARJUNG | 2835N | 07712E | 216 | | 990.7 | 1015.9 | 17.2 | 1.5 | 13.5 | | 0 | 0 | -9 | 2 | 130 | 60 |
| 42314 DIBRUGARH /MOHANBARI | 2729N | 09501E | 111 | | 1002.6 | 1015.5 | 19.3 | 2.5 | 16.6 | | 1 | 2 | -22 | 1 | 216 | |
| 42339 JODHPUR | 2618N | 07301E | 224 | | 989.6 | 1015.1 | 21.5 | | 11.4 | | 1 | 2 | | 5 | | |
| 42404 DHUBRI | 2601N | 08959E | 36 | | 1010.9 | 1014.9 | 20.0 | | 19.3 | | | | | | | |
| 42410 GUWAHATI | 2606N | 09135E | 54 | | 1008.5 | 1014.8 | 20.5 | 2.4 | 19.9 | | 2 | 5 | -5 | 4 | 125 | 54 |
| 42452 KOTA AERODROME | 2509N | 07551E | 274 | | 984.0 | 1015.5 | 20.8 | 2.2 | 13.2 | | 0 | 0 | -5 | 4 | | |
| 42475 ALLAHABAD/BAMHRAULI | 2527N | 08144E | 98 | | 1004.3 | 1015.7 | | | 18.2 | | 0 | 0 | -10 | 2 | 53 | 22 |
| 42515 CHERRAPUNJI | 2515N | 09144E | 1313 | | 870.9 | 1518 Y | 14.0 | 1.3 | 12.3 | | | | | | | |
| 42619 SILCHAR | 2445N | 09248E | 29 | | 1011.1 | 1014.4 | 21.0 | | 23.9 | | | | | | | |
| 42647 AHMADABAD | 2304N | 07238E | 55 | | 1008.0 | 1014.0 | 23.7 | 2.4 | 15.9 | | 0 | 0 | -5 | 4 | 214 | 74 |
| 42671 SAGAR | 2351N | 07845E | 551 | | 952.6 | 1014.7 | 21.7 | 2.9 | 12.3 | | 0 | 0 | -15 | 2 | | |
| 42731 DWARKA | 2222N | 06905E | 11 | | 1012.7 | 1014.1 | 23.8 | 1.0 | 21.9 | | 1 | 1 | 0 | | | |
| 42754 INDORE | 2243N | 07548E | 567 | | 950.5 | 1013.9 | 21.5 | 2.7 | 11.6 | | 0 | 0 | -7 | 3 | | |
| 42807 CALCUTTA/ALIPORE | 2232N | 08820E | 6 | | 1014.0 | 1014.8 | 21.7 | .9 | 19.8 | | 0 | 0 | -17 | 3 | 81 | 40 |
| 42867 NAGPUR SONEGAON | 2106N | 07903E | 310 | | 979.0 | 1014.3 | 22.9 | 2.5 | 14.4 | | 0 | 0 | -19 | 2 | 266 | 99 |
| 42909 VERAVAL | 2054N | 07022E | 8 | | 1012.5 | 1012.9 | 25.1 | 1.9 | 20.2 | | 1 | 1 | 1 | 5 | | |
| 42933 AKOLA | 2042N | 07702E | 282 | | 981.8 | 1013.7 | 24.1 | 2.6 | 14.5 | | 0 | 0 | -10 | 2 | | |
| 42971 BHUBANESHWAR | 2015N | 08550E | 46 | | 1008.9 | 1014.3 | 24.0 | 2.0 | 21.3 | | 0 | 0 | -9 | 3 | 113 | 44 |
| 43041 JAGDALPUR | 1905N | 08202E | 553 | | 952.5 | 1014.3 | 21.1 | 1.6 | 16.2 | | 0 | 0 | -4 | 3 | | |
| 43057 BOMBAY / COLABA | 1854N | 07249E | 11 | | 1010.7 | 1011.9 | 27.1 | .8 | 25.0 | | 0 | T | -2 | 4 | 211 | 83 |
| 43063 PUNE | 1832N | 07351E | 559 | | 950.5 | 1013.0 | 22.2 | 2.0 | 16.5 | | 1 | 24 | 20 | 5 | 243 | 84 |
| 43128 HYDERABAD AIRPORT | 1727N | 07828E | 545 | | 953.1 | 1013.7 | 23.3 | 1.7 | 17.1 | | 0 | 0 | -3 | 3 | 269 | 102 |
| 43150 CWC VISHAKHAPATNAM/WALT AIR | 1742N | 08318E | 66 | | 1007.5 | 1013.2 | 25.6 | | 25.2 | | 0 | 0 | | | 237 | 90 |
| 43185 MACHILIPATNAM/FRANCHPET | 1612N | 08109E | 3 | | 1012.9 | 1013.3 | 25.7 | 1.4 | 25.3 | | 0 | 0 | -21 | 2 | 224 | |
| 43192 GOA/PANJIM | 1529N | 07349E | 60 | | 1004.7 | 1011.6 | 27.9 | 1.0 | 23.8 | | 1 | 75 | 73 | 5 | 277 | 93 |
| 43198 BELGAUM/SAMBRE | 1551N | 07437E | 758 | | 929.6 | 1011.7 | 22.0 | .2 | 15.1 | | 0 | 0 | -4 | 3 | | |
| 43279 CHENNAI/MINAMBAKKAM | 1300N | 08011E | 16 | | 1011.7 | 1013.4 | 26.2 | 1.2 | 25.0 | | 3 | 8 | -144 | 1 | 229 | 112 |
| 43284 BAJPE | 1255N | 07453E | 102 | | 999.2 | 1010.7 | 27.7 | | 23.7 | | 1 | 44 | | | 292 | 110 |
| 43295 BANGALORE | 1258N | 07735E | 921 | | 910.8 | 1516 Y | 21.9 | .8 | 16.3 | | 0 | T | -19 | 1 | 211 | 100 |
| 43314 KOZHIKODE | 1115N | 07547E | 5 | | 1010.5 | 1011.1 | 28.5 | 1.3 | 26.7 | | 0 | T | -25 | 1 | | |
| 43333 PORT BLAIR | 1140N | 09243E | 79 | | 1003.6 | 1011.7 | 27.2 | 1.5 | 25.1 | | 01 | 1 | -156 | 1 | 258 | 108 |
| 43363 PAMBAN | 0916N | 07918E | 11 | | 1010.3 | 1011.7 | 26.6 | .3 | 29.7 | | 11 | 429 | 217 | 5 | | |
| 43369 MINICOY | 0818N | 07309E | 2 | | 1010.5 | 1010.7 | 27.7 | .2 | 29.0 | | 5 | 130 | 63 | 5 | 230 | 93 |
| 43371 THIRUVANANTHAPURAM | 0829N | 07657E | 64 | | 1003.5 | 1010.8 | 27.4 | .3 | 26.2 | | 5 | 77 | 12 | 4 | 206 | 95 |
| | | | | | | | | | | | | | | | | |
| SRI LANKA | | | | | | | | | | | | | | | | |
| 43424 PUTTALAM | 0802N | 07950E | 2 | | 1010.0 | 1010.2 | 25.9 | -.1 | 29.4 | 2.7 | 5 | 57 | -81 | | | |
| 43441 KURUNEGALA | 0728N | 08022E | 116 | | 997.1 | 1009.9 | 25.9 | .0 | 25.4 | -.7 | 6 | 47 | -92 | | | |
| 43466 COLOMBO | 0654N | 07952E | 7 | | 1008.9 | 1010.1 | 27.2 | .6 | 27.8 | .7 | 7 | 209 | 41 | | 235 | 108 |
| 43473 NUWARA ELIYA | 0658N | 08046E | 1880 | | 813.2 | | 15.1 | -.1 | 15.0 | .7 | 14 | 131 | -63 | | | |
| 43497 HAMBANTOTA | 0607N | 08108E | 20 | | 1008.1 | 1009.9 | 27.2 | .7 | 28.9 | 1.4 | 6 | 97 | -21 | | | |
| | | | | | | | | | | | | | | | | |
| MALDIVES | | | | | | | | | | | | | | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|----------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 43555 MALE | 0412N | 07332E | 2 | | | | 28.2 | 2.6 | | | 11 | 223 | | | 235 | 107 |
| MONGOLIA | | | | | | | | | | | | | | | | |
| 44203 RINCHINHUMBE | 5107N | 09940E | 1583 | | 841.9 | 1045.2 | -27.4 | 2.5 | .6 | .1 | 1 | 5 | 3 | 5 | | |
| 44207 HATGAL | 5026N | 10000E | 1669 | | 830.0 | 1033.4 | -18.3 | 2.4 | 1.1 | .2 | 01 | 1 | 0 | 4 | | |
| 44212 ULAANGOM | 4948N | 09205E | 940 | | 921.2 | 1046.2 | -23.5 | 2.0 | .8 | .1 | 2 | 6 | 2 | 4 | 82 | 80 |
| 44213 BARUUNTURUUN | 4939N | 09424E | 1232 | | 885.3 | 1046.0 | -24.9 | 1.7 | .9 | .1 | 5 | 12 | 6 | 5 | | |
| 44214 ULGI | 4856N | 08956E | 1716 | | 830.0 | 1036.3 | -14.1 | .9 | | | 1 | 1 | 0 | 4 | | |
| 44215 OMNO-GOBI | 4901N | 09143E | 1590 | | 843.6 | 1037.5 | -16.8 | 3.5 | 1.2 | .1 | 0 | T | -1 | 1 | | |
| 44218 HOVD | 4801N | 09134E | 1406 | | 864.6 | 1041.3 | -18.0 | 2.0 | 1.0 | -1 | 3 | 7 | 6 | 5 | 134 | 89 |
| 44225 TOSONTSENDEL | 4844N | 09812E | 1724 | | 829.6 | 1047.9 | -25.1 | 3.1 | .9 | .1 | 2 | 5 | -1 | 3 | | |
| 44230 TARIALAN | 4934N | 10200E | 1236 | | 880.9 | 1035.9 | -15.6 | 2.2 | 1.2 | .1 | 0 | T | -1 | 1 | | |
| 44231 MUREN | 4938N | 10010E | 1285 | | 874.3 | 1034.2 | -15.3 | 4.5 | .9 | -1 | 1 | 1 | 0 | 3 | 36 | 23 |
| 44232 HUTAG | 4923N | 10240E | 938 | | 912.1 | 1032.5 | -16.4 | 4.0 | 1.2 | .1 | 2 | 5 | 3 | 4 | | |
| 44237 ERDENEMANDAL | 4832N | 10120E | 1510 | | 848.3 | 1030.8 | -13.8 | 2.7 | 1.3 | -1 | 1 | 15 | 13 | 3 | | |
| 44239 BULGAN | 4848N | 10330E | 1209 | | 879.4 | 1031.2 | -17.5 | .3 | 1.1 | -1 | 3 | 8 | 7 | 6 | | |
| 44241 BARUUNHARAA | 4855N | 10600E | 811 | | 929.2 | 1034.4 | -19.5 | 1.3 | 1.1 | .1 | 3 | 4 | -1 | 3 | | |
| 44256 DASHBALBAR | 4933N | 11420E | 706 | | 932.1 | 1022.6 | -15.4 | 2.3 | 1.6 | .4 | 1 | 4 | 2 | 4 | | |
| 44259 CHOIBALSAN | 4805N | 11430E | 747 | | 929.4 | 1024.3 | -16.2 | 1.4 | 1.1 | -2 | 2 | 7 | 5 | 5 | | |
| 44265 BAITAG | 4607N | 09128E | 1186 | | 890.9 | 1041.5 | -17.0 | 1.0 | 1.3 | -1 | 1 | 2 | -1 | 3 | | |
| 44272 ULIASTAI | 4745N | 09651E | 1761 | | 823.6 | 1039.2 | -20.4 | -1 | 1.2 | .2 | 2 | 6 | 3 | 5 | 153 | 92 |
| 44275 BAYANBULAG | 4650N | 09805E | 2255 | | 771.8 | 1037.5 | -14.0 | 6.1 | 1.3 | .2 | 0 | T | -1 | 1 | | |
| 44277 ALTAI | 4624N | 09615E | 2182 | | 780.6 | 1032.1 | -15.8 | .0 | 1.2 | .0 | 2 | 4 | 3 | 5 | | |
| 44282 TSETSERLEG | 4727N | 10120E | 1693 | | 828.2 | 1029.7 | -11.8 | 1.1 | 1.1 | -3 | 01 | 1 | -1 | 2 | | |
| 44284 GALUUT | 4642N | 10000E | 2126 | | 786.8 | 1038.4 | -19.1 | 3.0 | 1.1 | .3 | 0 | T | -1 | 1 | | |
| 44285 HUJIRT | 4654N | 10240E | 1662 | | 831.9 | 1034.2 | -16.9 | 1.6 | 1.3 | .1 | 1 | 3 | 1 | 4 | | |
| 44287 BAYANHONGOR | 4608N | 10040E | 1860 | | 812.1 | 1034.5 | -16.1 | .9 | 1.0 | -1 | 2 | 7 | 6 | 5 | | |
| 44288 ARVAIHEER | 4616N | 10240E | 1813 | | 815.3 | 1029.6 | -12.6 | .2 | 1.1 | -3 | 1 | 2 | 1 | 4 | | |
| 44292 ULAANBAATAR | 4755N | 10650E | 1307 | | 870.1 | 1034.5 | -19.1 | 2.8 | 1.0 | .0 | 2 | 6 | 4 | 5 | 164 | 105 |
| 44294 MAANTI | 4718N | 10720E | 1430 | | 855.2 | 1032.9 | -19.4 | .7 | 1.1 | .0 | 2 | 3 | 2 | 5 | | |
| 44298 CHOIR | 4627N | 10810E | 1287 | | 870.5 | 1030.0 | -16.6 | 1.7 | 1.5 | .2 | 1 | 4 | 3 | 5 | | |
| 44302 BAYAN-OVOO | 4747N | 11200E | 926 | | 913.0 | 1032.1 | -16.8 | 1.3 | 1.4 | .2 | 5 | 7 | 4 | 5 | | |
| 44304 UNDERKHAAN | 4719N | 11030E | 1035 | | 898.1 | 1029.5 | -18.9 | .9 | 1.1 | .0 | 2 | 6 | 4 | 5 | | |
| 44305 BARUUN-URT | 4641N | 11310E | 982 | | 903.6 | 1029.5 | -17.2 | 1.6 | 1.1 | -1 | 3 | 7 | 6 | 6 | | |
| 44313 KHALKH-GOL | 4737N | 11830E | 689 | | 935.8 | 1026.0 | -19.2 | 1.0 | 1.3 | .2 | 2 | 6 | 3 | 5 | | |
| 44314 MATAD | 4710N | 11530E | 907 | | 911.7 | 1027.3 | -16.1 | 1.6 | 1.3 | -1 | 1 | 4 | 2 | 5 | | |
| 44317 ERDENETSAGAAN | 4554N | 11520E | 1076 | | 892.6 | 1028.5 | -15.9 | | 1.4 | | 5 | 10 | | 5 | | |
| 44336 SAIKHAN-OVOO | 4527N | 10350E | 1317 | | 870.6 | | -14.3 | 2.7 | 1.3 | .1 | 2 | 3 | 2 | 5 | | |
| 44341 MANDALGOBI | 4546N | 10610E | 1396 | | 859.5 | 1031.2 | -14.5 | 1.3 | 1.1 | -3 | 1 | 1 | 0 | 4 | | |
| 44347 TSOGT-OVOO | 4425N | 10510E | 1298 | | 872.4 | 1031.5 | -11.3 | 3.1 | 1.5 | .0 | 01 | 1 | 0 | 4 | | |
| 44352 BAYANDELGER | 4544N | 11220E | 1101 | | 890.4 | 1027.7 | -16.1 | .4 | 1.5 | .1 | 2 | 4 | 3 | 5 | | |
| 44354 SAINSHAND | 4454N | 11000E | 938 | | 911.2 | 1029.1 | -13.9 | 1.7 | 1.2 | -3 | 01 | 1 | 0 | 4 | | |
| 44358 ZAMYN-UUD | 4344N | 11150E | 965 | | 909.3 | 1030.0 | -13.2 | 2.7 | 1.7 | .0 | 4 | 5 | 4 | 5 | | |
| 44373 DALANZADGAD | 4335N | 10420E | 1465 | | 854.5 | 1031.8 | -12.2 | .4 | 1.5 | .0 | 4 | 12 | 11 | 6 | 183 | 80 |
| HONG KONG, CHINA | | | | | | | | | | | | | | | | |

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. |
| 45004 KOWLOON | 2219N | 11410E | 66 | | 1012.2 | 1020.0 | 18.3 | .5 | 12.3 | -1.3 | 3 | 8 | -19 | 3 | 189 | 104 |
| MACAO, CHINA | | | | | | | | | | | | | | | | |
| 45011 TAIPA GRANDE | 2210N | 11330E | 114 | | 1006.3 | 1019.7 | 17.6 | | 11.0 | | 2 | 5 | | 2 | 174 | 105 |
| DPR KOREA | | | | | | | | | | | | | | | | |
| 47014 CHUNGGANG | 4147N | 12650E | 331 | | 982.4 | 1024.8 | -11.3 | 3.7 | 2.1 | | 5 | 10 | -8 | 2 | 90 | 70 |
| 47025 KIMCHAEK | 4040N | 12910E | 23 | | 1015.7 | 1018.7 | -.8 | 1.4 | 4.3 | | 5 | 17 | -12 | 1 | 183 | 115 |
| 47035 SINUIJU | 4006N | 12420E | 7 | | 1023.4 | 1024.3 | -3.8 | 1.6 | 3.1 | | 2 | 8 | -9 | 3 | 207 | 120 |
| 47055 WONSAN | 3911N | 12720E | 36 | | 1017.1 | 1021.7 | 1.0 | 1.4 | 4.3 | | 3 | 38 | 7 | 2 | 152 | 85 |
| 47058 PYONGYANG | 3902N | 12540E | 36 | | 1019.8 | 1024.7 | -1.8 | 2.5 | 4.1 | | 2 | 9 | -12 | 2 | 150 | 90 |
| 47069 HAEJU | 3802N | 12540E | 81 | | 1012.8 | 1023.0 | .5 | 2.1 | 4.5 | | 5 | 19 | -5 | 4 | 168 | 100 |
| REPUBLIC OF KOREA | | | | | | | | | | | | | | | | |
| 47101 CHUNCHEON | 3754N | 12740E | 78 | | 1013.6 | 1023.4 | -1.1 | 1.0 | 4.2 | .2 | 9 | 30 | 11 | 4 | 134 | 89 |
| 47105 GANGNEUNG | 3745N | 12850E | 26 | | 1017.3 | 1020.5 | 4.1 | 1.3 | 3.8 | -.4 | 3 | 55 | 17 | 4 | 192 | 103 |
| 47108 SEOUL | 3734N | 12650E | 86 | | 1012.7 | 1023.6 | 1.1 | 1.5 | 4.1 | -.2 | 6 | 26 | 5 | 3 | 157 | 107 |
| 47115 ULLEUNGDO | 3729N | 13050E | 221 | | 992.4 | 1019.6 | 4.6 | .6 | 5.6 | -.1 | 11 | 82 | -18 | 3 | 119 | 123 |
| 47133 DAEJEON | 3622N | 12720E | 72 | | 1015.2 | 1023.2 | 1.7 | 1.5 | 4.5 | -.2 | 3 | 16 | -14 | 2 | 154 | 106 |
| 47138 POHANG | 3602N | 12920E | 4 | | 1021.4 | 1021.5 | 4.8 | 1.4 | 4.6 | .0 | 2 | 20 | -6 | 3 | 210 | 111 |
| 47159 BUSAN | 3506N | 12900E | 70 | | 1013.3 | 1021.8 | 6.6 | 1.6 | 5.1 | .0 | 2 | 10 | -13 | 2 | 205 | 102 |
| 47165 MOKPO | 3449N | 12620E | 39 | | 1019.0 | 1023.7 | 4.9 | .7 | 6.6 | .5 | 4 | 14 | -13 | 2 | 152 | 114 |
| 47168 YEOSU | 3444N | 12740E | 67 | | 1014.6 | 1023.8 | 5.3 | .9 | 5.2 | -.2 | 2 | 6 | -15 | 2 | 190 | 96 |
| 47184 JEJU | 3331N | 12630E | 23 | | 1021.2 | 1023.6 | 8.4 | .8 | 6.3 | -1.2 | 6 | 28 | -21 | 2 | 98 | 115 |
| JAPAN | | | | | | | | | | | | | | | | |
| 47401 WAKKANAI | 4525N | 14140E | 12 | | 1010.0 | 1011.5 | -.4 | 1.7 | 4.4 | .6 | 22 | 112 | -10 | 3 | 34 | 121 |
| 47407 ASAHIKAWA | 4345N | 14220E | 140 | | 996.1 | 1013.8 | -1.7 | 2.5 | 4.5 | .7 | 21 | 110 | 15 | 4 | 50 | 89 |
| 47409 ABASHIRI | 4401N | 14410E | 44 | | 1006.7 | 1012.2 | -.3 | 2.2 | 4.3 | .5 | 10 | 59 | 8 | 4 | 124 | 116 |
| 47412 SAPPORO | 4304N | 14120E | 26 | | 1010.6 | 1014.0 | .8 | 2.2 | 4.9 | .8 | 18 | 142 | 42 | 5 | 86 | 101 |
| 47418 KUSHIRO | 4259N | 14420E | 40 | | 1007.9 | 1012.9 | .7 | 2.7 | 4.9 | 1.0 | 7 | 33 | -12 | 3 | 140 | 88 |
| 47420 NEMURO | 4320N | 14530E | 39 | | 1007.6 | 1012.5 | 1.5 | 2.1 | 5.1 | .7 | 6 | 39 | -10 | 3 | 112 | 82 |
| 47421 SUTTSU | 4248N | 14010E | 38 | | 1010.2 | 1014.6 | 1.0 | 1.3 | 5.0 | .6 | 22 | 163 | 45 | 5 | 37 | 123 |
| 47426 URAKAWA | 4210N | 14240E | 37 | | 1009.3 | 1014.0 | 2.1 | 2.0 | 5.6 | 1.3 | 16 | 89 | 25 | 5 | 89 | 82 |
| 47430 HAKODATE | 4149N | 14040E | 44 | | 1009.4 | 1014.9 | 1.7 | 2.1 | 5.3 | .7 | 18 | 113 | 33 | 5 | 71 | 81 |
| 47570 WAKAMATSU | 3729N | 13950E | 217 | | 992.3 | 1019.1 | 2.4 | .8 | 6.6 | .8 | 17 | 108 | 18 | 5 | 82 | 117 |
| 47575 AOMORI | 4049N | 14040E | 4 | | 1015.4 | 1015.9 | 2.7 | 1.7 | 5.9 | .7 | 21 | 182 | 21 | 4 | 65 | 125 |
| 47582 AKITA | 3943N | 14000E | 22 | | 1014.3 | 1017.1 | 4.0 | 1.5 | 6.2 | .7 | 21 | 162 | -10 | 3 | 58 | 123 |
| 47590 SENDAI | 3816N | 14050E | 44 | | 1011.6 | 1017.1 | 5.5 | 1.5 | 6.6 | 1.1 | 8 | 35 | 0 | 5 | 152 | 109 |
| 47600 WAJIMA | 3724N | 13650E | 15 | | 1017.2 | 1019.0 | 6.6 | 1.1 | 7.4 | .3 | 23 | 324 | 45 | 5 | 78 | 159 |
| 47605 KANAZAWA | 3635N | 13630E | 34 | | 1015.3 | 1019.5 | 7.6 | 1.6 | 6.8 | -.4 | 19 | 219 | -86 | 2 | 104 | 158 |
| 47624 MAEBASHI | 3624N | 13900E | 114 | | 1003.9 | 1018.0 | 6.9 | 1.4 | 5.5 | .3 | 5 | 35 | 18 | 5 | 217 | 114 |
| 47636 NAGOYA | 3510N | 13650E | 56 | | 1012.8 | 1019.8 | 8.0 | 1.8 | 6.6 | .1 | 3 | 24 | -16 | 2 | 188 | 117 |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 47648 CHOSHI | 3544N | 14050E | 28 | | 1013.6 | 1017.1 | 10.8 | 2.2 | 9.1 | 1.6 | 9 | 128 | 52 | 5 | 185 | 116 |
| 47655 OMAEZAKI | 3436N | 13810E | 47 | | 1012.2 | 1018.0 | 10.3 | 1.6 | 8.6 | 1.3 | 5 | 65 | -5 | 3 | 207 | 110 |
| 47662 TOKYO | 3541N | 13940E | 36 | | 1013.0 | 1017.5 | 9.8 | 1.9 | 6.6 | .8 | 8 | 71 | 26 | 5 | 191 | 116 |
| 47675 OSHIMA | 3445N | 13920E | 80 | | 1007.6 | 1017.3 | 10.8 | 2.0 | 9.3 | 1.6 | 7 | 141 | 34 | 4 | 169 | 117 |
| 47678 HACHIJOJIMA | 3307N | 13940E | 156 | | 999.1 | 1017.7 | 12.8 | .0 | 11.3 | 1.0 | 8 | 165 | -8 | 3 | 141 | 137 |
| 47740 SAIGO | 3612N | 13320E | 32 | | 1015.9 | 1019.8 | 7.8 | 1.2 | 7.6 | .4 | 18 | 138 | -17 | 2 | 76 | 86 |
| 47741 MATSUE | 3527N | 13300E | 23 | | 1017.7 | 1020.5 | 7.4 | 1.0 | 7.8 | .3 | 12 | 155 | 18 | 4 | 103 | 123 |
| 47746 TOTTORI | 3529N | 13410E | 16 | | 1018.4 | 1020.4 | 7.7 | 1.2 | 7.6 | .5 | 13 | 155 | -16 | 2 | 122 | 147 |
| 47750 MAIZURU | 3527N | 13510E | 23 | | 1017.7 | 1020.5 | 6.8 | 1.0 | 7.8 | .5 | 12 | 151 | 44 | 4 | 108 | 124 |
| 47772 OSAKA | 3441N | 13530E | 83 | | 1010.4 | 1020.5 | 9.1 | 1.2 | 7.6 | .8 | 5 | 56 | 22 | 5 | 176 | 125 |
| 47778 SHIONOMISAKI | 3327N | 13540E | 76 | | 1010.2 | 1019.4 | 11.1 | 1.1 | 8.6 | 1.0 | 6 | 40 | -48 | 2 | 199 | 109 |
| 47800 IZUHARA | 3412N | 12910E | 19 | | 1019.6 | 1022.0 | 8.2 | 1.0 | 7.5 | .6 | 5 | 47 | -7 | 3 | 155 | 110 |
| 47807 FUKUOKA | 3335N | 13020E | 15 | | 1020.2 | 1022.0 | 9.1 | .9 | 7.3 | -.1 | 10 | 79 | 19 | 5 | 122 | 117 |
| 47815 OITA | 3314N | 13130E | 13 | | 1020.0 | 1021.7 | 8.6 | .9 | 7.3 | .1 | 5 | 29 | -3 | 3 | 173 | 119 |
| 47817 NAGASAKI | 3244N | 12950E | 36 | | 1017.8 | 1022.2 | 9.5 | .7 | 8.0 | .0 | 7 | 105 | 39 | 6 | 122 | 115 |
| 47827 KAGOSHIMA | 3133N | 13030E | 32 | | 1017.8 | 1021.7 | 10.2 | 1.0 | 8.3 | -.3 | 5 | 46 | -24 | 2 | 166 | 118 |
| 47830 MIYAZAKI | 3156N | 13120E | 15 | | 1019.3 | 1021.2 | 9.2 | .5 | 8.2 | .0 | 6 | 36 | -14 | 3 | 212 | 117 |
| 47843 FUKUE | 3242N | 12850E | 27 | | 1019.1 | 1022.4 | 9.6 | .5 | 8.5 | .2 | 10 | 107 | 8 | 4 | 102 | 112 |
| 47887 MATSUYAMA | 3351N | 13240E | 34 | | 1017.0 | 1021.2 | 8.9 | 1.2 | 7.3 | .2 | 5 | 62 | 24 | 5 | 146 | 112 |
| 47891 TAKAMATSU | 3419N | 13400E | 14 | | 1019.2 | 1020.9 | 8.3 | 1.2 | 7.5 | .6 | 4 | 31 | -1 | 3 | 162 | 109 |
| 47909 NAZE | 2823N | 12930E | 8 | | 1019.7 | 1020.7 | 16.3 | .2 | 12.4 | -.5 | 9 | 58 | -95 | 0 | 105 | 144 |
| 47918 ISHIGAKIJIMA | 2420N | 12410E | 11 | | 1018.1 | 1019.8 | 20.6 | 1.2 | 15.5 | -1.3 | 5 | 22 | -111 | 1 | 121 | 127 |
| 47927 MIYAKOJIMA | 2448N | 12510E | 42 | | 1015.1 | 1020.0 | 19.9 | .9 | 14.9 | -1.4 | 5 | 40 | -112 | 1 | 141 | 145 |
| 47936 NAHA | 2612N | 12740E | 28 | | 1014.6 | 1020.3 | 18.7 | .7 | 13.8 | -.7 | 6 | 20 | -103 | 1 | 131 | 121 |
| 47945 MINAMIDAITOJIMA | 2550N | 13110E | 21 | | 1016.6 | 1019.1 | 19.3 | .3 | 14.9 | -.8 | 1 | 7 | -113 | 0 | 137 | 129 |
| 47971 CHICHIJIMA | 2706N | 14210E | 8 | | 1015.7 | 1016.7 | 20.3 | .4 | 17.7 | 1.2 | 13 | 184 | 72 | 5 | 83 | 69 |
| 47991 MINAMITORISHIMA | 2417N | 15350E | 9 | | 1014.4 | 1015.4 | 25.4 | 1.4 | 24.2 | 1.4 | 7 | 129 | 28 | | 215 | 128 |
| THAILAND | | | | | | | | | | | | | | | | |
| 48327 CHIANG MAI | 1847N | 09859E | 314 | | 979.6 | 1015.6 | 21.6 | .6 | 18.6 | .2 | 1 | 7 | -13 | 3 | 240 | 93 |
| 48354 UDON THANI | 1723N | 10240E | 178 | | 994.0 | 1014.7 | 21.5 | -.6 | 18.2 | .3 | 0 | T | -3 | 4 | | |
| 48378 PHITSANULOK | 1647N | 10010E | 46 | | 1008.6 | 1013.9 | 23.4 | -.6 | 20.7 | .5 | 0 | T | -6 | 3 | 256 | 96 |
| 48400 NAKHON SAWAN | 1548N | 10010E | 35 | | 1009.4 | 1013.5 | 23.8 | -.9 | 21.5 | .6 | 0 | T | -7 | 3 | 243 | 90 |
| 48431 NAKHON RATCHASIMA | 1458N | 10200E | 187 | | 992.3 | 1013.9 | 23.0 | .2 | 19.8 | .8 | 0 | T | -4 | 3 | | |
| 48455 BANGKOK | 1344N | 10030E | 4 | | 1012.1 | 1012.6 | 26.4 | .8 | 21.7 | -1.5 | 0 | 0 | -10 | 3 | 247 | 94 |
| 48462 ARANYAPRATHET | 1342N | 10230E | 49 | | 1007.5 | 1013.1 | 24.9 | .1 | 21.1 | -.2 | 0 | T | -7 | 3 | | |
| 48480 CHANTHA BURI | 1237N | 10200E | 4 | | 1011.2 | 1011.6 | 25.9 | .7 | 20.7 | -1.5 | 0 | 0 | -12 | 2 | 249 | 89 |
| 48500 PRACHUAP KHIRIKHAN | 1150N | 09950E | 5 | | 1011.1 | 1011.8 | 25.3 | .3 | 20.7 | -2.5 | 0 | 0 | -35 | 1 | | |
| 48517 CHUMPHON | 1029N | 09911E | 6 | | 1011.0 | 1011.7 | 25.1 | .1 | 23.7 | -2.1 | 0 | 0 | -118 | 1 | | |
| 48568 SONGKHLA | 0712N | 10030E | 7 | | 1010.0 | 1010.8 | 26.3 | -.4 | 28.3 | .1 | 18 | 397 | -7 | 6 | 98 | 54 |
| CHINA | | | | | | | | | | | | | | | | |
| 50527 HAILAR | 4913N | 11940E | 611 | | 942.8 | 1023.5 | -20.4 | 2.2 | 1.0 | .1 | 3 | 10 | 6 | 5 | 103 | 69 |
| 50745 QIQIHAR | 4723N | 12350E | 148 | | 1000.2 | 1020.1 | -15.7 | .5 | 1.3 | .1 | 2 | 8 | 6 | 5 | 152 | 89 |
| 51076 ALTAY | 4744N | 08805E | 737 | | 943.5 | 1038.9 | -13.8 | -.4 | 1.6 | -.3 | 2 | 10 | -5 | 2 | 149 | 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. |
| 51431 YINING | 4357N | 08120E | 664 | | 948.8 | 1031.2 | -2.7 | 2.4 | 3.7 | .2 | 2 | 6 | -13 | 1 | 97 | 69 |
| 51463 WU LU MU QI | 4348N | 08739E | 947 | | 920.0 | 1036.9 | -8.2 | | 2.5 | | 2 | 13 | | 3 | 126 | 150 |
| 51709 KASHI | 3928N | 07559E | 1291 | | 878.1 | 1030.4 | -.7 | 3.2 | 3.5 | .3 | 0 | T | -1 | 3 | 145 | 92 |
| 51777 RUOQIANG | 3902N | 08810E | 889 | | 923.7 | 1033.2 | -4.4 | 1.8 | 2.0 | -.2 | 0 | T | -1 | 4 | 153 | 76 |
| 51828 HOTAN | 3708N | 07956E | 1375 | | 868.3 | 1029.4 | -.2 | 3.2 | 2.7 | .1 | 0 | T | -1 | 4 | 193 | 105 |
| 52203 HAMI | 4249N | 09331E | 739 | | 941.0 | 1033.8 | -6.7 | 1.6 | 1.8 | -.2 | 0 | T | -1 | 3 | 209 | 104 |
| 52533 JIUQUAN | 3946N | 09829E | 1478 | | 857.6 | 1034.2 | -7.0 | .7 | 2.3 | .4 | 2 | 8 | 7 | 6 | 214 | 102 |
| 52836 DOULAN | 3618N | 09806E | 3190 | | 691.3 | | -6.8 | 2.0 | 1.2 | .1 | 01 | 1 | -2 | 2 | 226 | 96 |
| 53068 ERENHOT | 4339N | 11200E | 966 | | 909.2 | 1030.7 | -12.5 | 3.2 | 1.3 | .1 | 3 | 6 | 5 | 6 | 172 | 84 |
| 53614 YINCHUAN | 3828N | 10610E | 1112 | | 896.7 | 1031.3 | -4.2 | 2.1 | 1.8 | -.6 | 0 | T | -1 | 4 | 209 | 98 |
| 53772 TAIYUAN | 3747N | 11230E | 779 | | 933.5 | 1029.4 | -2.7 | 1.7 | 1.8 | -.7 | 0 | T | -3 | 3 | 196 | 113 |
| 54292 YANJI | 4252N | 12930E | 178 | | 988.5 | 1022.1 | -9.8 | 1.7 | 1.5 | -.2 | 2 | 3 | -2 | 3 | 174 | 119 |
| 54342 SHENYANG | 4144N | 12331E | 43 | | 1017.9 | 1024.4 | -7.0 | .9 | 2.3 | .1 | 3 | 19 | 11 | 5 | 172 | 114 |
| 54511 BEIJING | 3956N | 11610E | 55 | | 1021.3 | 1025.5 | -1.0 | 1.2 | 2.2 | -.4 | 0 | T | -2 | 2 | 189 | 101 |
| 54857 QINGDAO | 3604N | 12020E | 77 | | 1016.5 | 1026.0 | 3.0 | 1.0 | 4.6 | .0 | 2 | 8 | -1 | 3 | 157 | 86 |
| 55591 LHASA | 2940N | 09108E | 3650 | | 653.8 | | 1.0 | 2.7 | 1.5 | -.2 | 0 | T | -1 | 5 | 261 | 100 |
| 56137 QAMDO | 3109N | 09710E | 3307 | | 682.6 | 1021.0 | -.7 | 1.5 | 1.5 | -.4 | 0 | T | -2 | 2 | 221 | 108 |
| 56571 XICHANG | 2754N | 10210E | 1599 | | 840.9 | | 10.9 | 1.2 | 7.5 | .4 | 1 | 1 | -5 | 2 | 163 | 78 |
| 56739 TENGCHONG | 2507N | 09829E | 1649 | | 836.4 | | 10.0 | 1.3 | 8.6 | .5 | 0 | T | -21 | 1 | 222 | 91 |
| 56778 KUNMING | 2501N | 10240E | 1892 | | 812.8 | | 9.4 | 1.5 | 8.5 | .9 | 1 | 5 | -8 | 3 | 159 | 78 |
| 56985 MENGZI | 2323N | 10320E | 1302 | | 872.7 | 1017.5 | 13.4 | | 10.3 | | 3 | 19 | | 3 | 152 | 75 |
| 57083 ZHENGZHOU | 3443N | 11330E | 111 | | 1012.5 | 1026.5 | 3.8 | 2.0 | 3.2 | -.9 | 1 | 3 | -6 | 3 | 156 | 98 |
| 57745 ZHJIANG | 2727N | 10940E | 273 | | 992.1 | 1025.5 | 8.4 | 1.4 | 7.3 | -.5 | 6 | 16 | -17 | 2 | 107 | 141 |
| 57993 GANZHOU | 2552N | 11500E | 138 | | 1007.2 | 1024.2 | 9.9 | -.1 | 7.1 | -1.9 | 2 | 6 | -32 | 1 | 186 | 131 |
| 58362 SHANGHAI | 3124N | 12120E | 8 | | 1025.0 | 1025.8 | 7.5 | | 7.0 | | 4 | 26 | | 3 | 155 | 100 |
| 58606 NANCHANG | 2836N | 11550E | 50 | | 1019.6 | 1025.5 | 8.7 | 1.2 | 6.5 | -1.0 | 4 | 10 | -30 | 2 | 176 | 129 |
| 59287 GUANGZHOU | 2310N | 11320E | 42 | | 1016.0 | 1021.0 | 15.6 | .6 | 10.4 | -1.4 | 3 | 14 | -9 | 3 | 183 | 109 |
| 59316 SHANTOU | 2324N | 11640E | 3 | | 1020.1 | 1020.6 | 16.4 | 1.3 | 12.4 | -1.0 | 2 | 17 | -11 | 2 | 169 | 97 |
| 59431 NANNING | 2238N | 10810E | 126 | | 1006.4 | 1021.2 | 13.3 | -1.3 | 10.7 | -1.9 | 5 | 24 | 2 | 4 | 138 | 108 |
| 59758 HAIKOU | 2002N | 11020E | 24 | | 1010.5 | 1018.1 | 19.2 | .5 | 17.0 | -1.0 | 6 | 69 | 35 | 5 | 107 | 73 |
| AFRICA | | | | | | | | | | | | | | | | |
| MADEIRA | | | | | | | | | | | | | | | | |
| 08522 FUNCHAL | 3238N | 01654W | 58 | | 1014.3 | 1021.2 | 16.8 | -.1 | 12.7 | -.9 | 10 | 153 | 53 | 4 | 142 | 101 |
| SPAIN (CANARY ISLANDS) | | | | | | | | | | | | | | | | |
| 60001 HIERRO/AEROPUERTO | 2749N | 01753W | 32 | | 1016.5 | 1020.3 | 18.9 | | 14.3 | | 3 | 32 | | 4 | 111 | 80 |
| 60005 LA PALMA/AEROPUERTO | 2837N | 01745W | 31 | | 1016.9 | 1020.6 | 18.7 | | 14.4 | | 14 | 175 | | 5 | 57 | |
| 60020 STA. CRUZ DE TENERIFE | 2827N | 01615W | 36 | | 1016.0 | 1020.4 | 18.2 | -.6 | 14.0 | -.3 | 9 | 65 | 14 | 4 | 126 | 74 |
| 60030 LAS PALMAS DE GRAN CANARIA/G | 2756N | 01523W | 47 | | 1013.8 | 1019.3 | 17.4 | -.9 | 12.8 | -1.9 | 4 | 38 | 17 | 4 | 118 | 65 |
| 60035 FUERTEVENTURA/AEROPUERTO | 2827N | 01352W | 30 | | 1016.7 | 1020.3 | 18.7 | | 13.6 | | 3 | 19 | | 4 | 141 | 75 |
| 60040 LANZAROTE/AEROPUERTO | 2857N | 01336W | 21 | | 1018.0 | 1020.5 | 17.9 | .0 | 12.9 | -1.8 | 3 | 44 | 19 | 5 | 146 | 79 |

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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. |
| WESTERN SAHARA | | | | | | | | | | | | | | | | |
| 60096 DAKHLA | 2343N | 01556W | 12 | | 1017.2 | 1018.7 | 17.3 | | | | 00 | T | | 0 | 229 | 90 |
| MOROCCO | | | | | | | | | | | | | | | | |
| 60101 TANGER (AERODROME) | 3544N | 00554W | 21 | | 1017.3 | 1019.3 | 12.5 | -8 | 11.8 | | 14 | 160 | 31 | 0 | 136 | 100 |
| 60115 OUJDA | 3447N | 00156W | 470 | | 964.6 | 1019.9 | 9.2 | -1.3 | 8.8 | | 25 | 94 | 49 | 1 | 178 | 100 |
| 60120 KENITRA | 3418N | 00636W | 14 | | 1018.4 | 1020.1 | 12.4 | -6 | 12.0 | | 14 | 125 | -10 | 4 | 164 | 95 |
| 60135 RABAT-SALE | 3403N | 00646W | 84 | | 1011.0 | 1020.3 | 10.4 | -2.8 | 12.4 | | 14 | 125 | 25 | 4 | 173 | |
| 60150 MEKNES | 3353N | 00532W | 576 | | 954.7 | 1020.9 | 9.6 | -1.1 | 9.2 | | 13 | 144 | 63 | 5 | 176 | 100 |
| 60155 CASABLANCA | 3334N | 00740W | 57 | | 1013.0 | 1020.0 | 12.9 | -6 | 12.7 | | 11 | 42 | -35 | 2 | 182 | 60 |
| 60230 MARRAKECH | 3137N | 00802W | 468 | | 965.8 | 1021.2 | 11.2 | -1.4 | 7.4 | | 4 | 18 | -13 | 2 | 210 | 95 |
| 60265 OUARZAZATE | 3056N | 00654W | 1140 | | 889.7 | 1517 Y | 8.9 | -6 | 4.7 | | 2 | 4 | -5 | 3 | 246 | 75 |
| SPAIN (CEUTA AND MELILLA) | | | | | | | | | | | | | | | | |
| 60338 MELILLA | 3517N | 00257W | 55 | | 1012.1 | 1018.8 | 13.1 | -1.0 | 11.8 | .1 | 10 | 89 | 38 | 5 | 159 | 101 |
| ALGERIA | | | | | | | | | | | | | | | | |
| 60351 IJEL-ACHOUAT | 3648N | 00553E | 10 | | 1015.5 | 1016.9 | 11.9 | | 10.8 | | 10 | 146 | | | 133 | 45 |
| 60353 IJEL-PORT | 3649N | 00553E | 6 | | 1016.2 | 1017.0 | 12.5 | | 11.6 | | 10 | 183 | | | 147 | 55 |
| 60355 SKIKDA | 3653N | 00654E | 3 | | 1016.1 | 1016.4 | 12.7 | -3 | 10.6 | | 10 | 119 | -4 | 3 | 137 | 45 |
| 60360 ANNABA | 3650N | 00749E | 4 | | 1016.0 | 1017.0 | 11.0 | -1.5 | 10.3 | | 16 | 87 | -8 | 5 | 136 | 45 |
| 60367 EL-KALA | 3654N | 00827E | 13 | | 1015.7 | 1017.2 | 12.3 | | 11.3 | | 9 | 141 | | | | |
| 60369 ALGER-PORT | 3646N | 00306E | 12 | | 1016.9 | 1017.7 | 13.2 | | 9.9 | | 12 | 190 | | 5 | | |
| 60387 DELLYS | 3655N | 00357E | 8 | | 1015.8 | 1016.4 | 11.8 | | 10.6 | | 11 | 136 | | | 135 | |
| 60390 DAR-EL-BEIDA | 3641N | 00313E | 29 | | 1015.0 | 1018.3 | 10.6 | -1.5 | 10.2 | | 11 | 99 | -16 | 3 | 147 | 50 |
| 60395 TIZI-OUZOU | 3642N | 00403E | 189 | | 999.0 | 1017.6 | 13.1 | | 10.3 | | 10 | 115 | | | 139 | 45 |
| 60401 BEJAIA-PORT | 3645N | 00506E | 4 | | 1017.5 | 1018.0 | 13.3 | | 10.2 | | 11 | 75 | | | | |
| 60402 BEJAIA-AEROPORT | 3643N | 00504E | 3 | | 1016.9 | 1017.9 | 11.3 | -1.4 | 10.7 | | 11 | 73 | -62 | 3 | 160 | 55 |
| 60403 GUELMA | 3628N | 00728E | 228 | | 990.8 | 1018.2 | 10.1 | | 9.2 | | 13 | 36 | | | 138 | |
| 60410 TENES | 3630N | 00120E | 18 | | 1017.3 | 1019.4 | 12.8 | | 11.9 | | 8 | 88 | | | 129 | 40 |
| 60415 AIN-BESSAM | 3619N | 00332E | 748 | | 931.0 | 1493 Y | 7.1 | | 8.1 | | 8 | 52 | | | 160 | 55 |
| 60417 BOUIRA | 3623N | 00353E | 560 | | 952.1 | 1018.5 | 8.2 | | 9.5 | | 10 | 66 | | | 150 | 50 |
| 60419 CONSTANTINE | 3617N | 00637E | 694 | | 937.0 | 1018.6 | 6.8 | -1.1 | 8.3 | | 6 | 27 | -44 | 2 | 148 | 50 |
| 60421 OUM EL BOUAGHI | 3552N | 00707E | 891 | | 913.9 | 1482 Y | 5.6 | | 7.5 | | 7 | 35 | | | 154 | |
| 60423 SOUK AHRAS | 3617N | 00758E | 680 | | 920.9 | 1479 Y | 7.1 | | 8.0 | | 9 | 110 | | | 91 | |
| 60425 CHLEF | 3613N | 00120E | 144 | | 999.2 | 1018.9 | 10.6 | -6 | 10.0 | | 10 | 106 | 45 | 5 | 134 | |
| 60430 MILIANA | 3618N | 00214E | 721 | | 935.0 | 1019.5 | 7.8 | -1.5 | 8.9 | | 13 | 170 | 51 | 5 | 116 | |
| 60437 MEDEA | 3617N | 00244E | 1036 | | 896.6 | 1469 Y | 5.4 | | 7.9 | | 11 | 125 | | | 111 | |
| 60444 BORDJ-BOU-ARRERIDJ | 3604N | 00446E | 930 | | 1492 Y | | 5.5 | | 7.4 | | 7 | 45 | | | 155 | |
| 60445 SETIF | 3611N | 00515E | 1040 | | 901.3 | 1490 Y | 4.8 | | 7.3 | | 6 | 38 | | | 170 | |
| 60452 ARZEW | 3549N | 00016W | 4 | | 1017.9 | 1018.4 | 15.4 | | 10.9 | | 12 | 88 | | | 135 | 45 |
| 60457 MOSTAGANEM | 3553N | 00007E | 138 | | 1000.2 | 1018.4 | 10.9 | | 10.4 | | 14 | 129 | | | 130 | |

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. |
| 60461 ORAN-PORT | 3542N | 00039W | 22 | | 1016.0 | 1018.6 | 13.2 | | 11.1 | | 14 | 113 | | | | |
| 60467 M'SILA | 3540N | 00430E | 442 | | 966.4 | 1019.7 | 7.4 | | 9.1 | | 6 | 26 | | | 133 | 45 |
| 60468 BATNA | 3545N | 00619E | 826 | | 922.2 | 1487 Y | 5.6 | -6 | 6.6 | | 3 | 16 | -12 | 3 | 160 | |
| 60475 TEBESSA | 3525N | 00807E | 823 | | 992.9 | 1487 Y | 6.3 | -1.2 | 7.5 | | 6 | 46 | 23 | 5 | 153 | 50 |
| 60476 KHENCHELLA | 3528N | 00705E | 987 | | 904.1 | 1488 Y | 5.8 | | 6.9 | | 7 | 49 | | | 135 | |
| 60490 ORAN-SENIA | 3538N | 00036W | 91 | | 1003.6 | 1018.9 | 11.1 | -6 | 10.6 | | 14 | 129 | 68 | 4 | 150 | 50 |
| 60511 TIARET | 3521N | 00128E | 978 | | 905.7 | 1490 Y | 4.9 | | 7.6 | | 12 | 79 | | | 125 | 40 |
| 60514 KSAR CHELLALA | 3510N | 00219E | 801 | | 927.5 | 1508 Y | 6.1 | | 8.1 | | 4 | 14 | | | 148 | 50 |
| 60515 BOU-SAADA | 3520N | 00412E | 461 | | 966.1 | 1021.2 | 8.6 | | 9.2 | | 3 | 9 | | | 171 | |
| 60517 GHAZAOUET | 3506N | 00152W | 5 | | 1019.0 | 1019.5 | 12.4 | | 10.6 | | 13 | 119 | | | | |
| 60518 BENI-SAF | 3518N | 00121W | 70 | | 1008.8 | 1017.2 | 12.3 | | 11.6 | | 14 | 134 | | | 132 | 45 |
| 60520 SIDI-BEL-ABBES | 3512N | 00037W | 476 | | 961.2 | 1019.2 | 7.9 | | 8.8 | | 12 | 96 | | | 137 | |
| 60522 MAGHNIA | 3449N | 00147W | 428 | | 969.1 | 1020.1 | 8.7 | | 9.0 | | 11 | 102 | | | 160 | |
| 60525 BISKRA | 3448N | 00544E | 89 | | 1008.6 | 1019.4 | 10.9 | -1.6 | 9.1 | | 3 | 33 | 26 | 4 | 199 | |
| 60531 TLEMCEN-ZENATA | 3501N | 00128W | 247 | | 987.8 | 1020.0 | 9.5 | | 10.6 | | 11 | 103 | | | 145 | 45 |
| 60535 DJELFA | 3420N | 00323E | 1185 | | 882.7 | 1490 Y | 4.2 | -1.7 | 7.3 | | 5 | 24 | -6 | 3 | 134 | 45 |
| 60536 SAIDA | 3452N | 00009E | 752 | | 931.5 | 1495 Y | 7.2 | | 8.3 | | 13 | 91 | | | 133 | |
| 60540 EL-KHEITER | 3409N | 00004E | 1001 | | 902.1 | 1484 Y | 4.9 | | 7.0 | | 7 | 21 | | | 135 | 45 |
| 60545 LAGHOUAT | 3346N | 00256E | 763 | | 930.2 | 1497 Y | 7.0 | | .7 | | 2 | 8 | | | 165 | 55 |
| 60549 MECHERIA | 3335N | 00017W | 1150 | | 892.2 | 1517 Y | 5.3 | | 6.9 | | 4 | 26 | | | 155 | 50 |
| 60550 EL-BAYADH | 3340N | 00100E | 1347 | | 866.9 | 1558 Y | 3.9 | | 6.4 | | 8 | 51 | | | 114 | |
| 60555 TOUGGOURT | 3307N | 00608E | 92 | | 1008.4 | 1019.5 | 10.5 | | 9.0 | | 1 | 6 | | | 229 | |
| 60557 NAAMA | 3316N | 00018W | 1166 | | 886.1 | 1505 Y | 4.7 | | 6.6 | | 5 | 29 | | | 152 | |
| 60559 EL-OUED | 3330N | 00647E | 69 | | 1010.4 | 1018.7 | 10.5 | -1.0 | 8.7 | | 3 | 14 | 7 | 5 | 222 | |
| 60560 AIN-SEFRA | 3246N | 00036W | 1059 | | 896.0 | 1492 Y | 6.2 | | 6.9 | | 5 | 10 | | | 182 | |
| 60563 HASSIR'MEL | 3256N | 00317E | 764 | | 930.1 | 1503 Y | 7.5 | | 7.8 | | 2 | 12 | | | 207 | 65 |
| 60566 GHARDAIA | 3224N | 00348E | 469 | | | | 9.8 | -1.8 | 7.1 | | 2 | 7 | 4 | 5 | | |
| 60571 BECHAR | 3130N | 00215W | 816 | | 926.7 | 1516 Y | 8.8 | -1.6 | 7.1 | | 1 | 11 | 3 | 4 | 235 | 75 |
| 60580 OUARGLA | 3156N | 00524E | 148 | | 1001.3 | 1019.0 | 11.4 | | 8.2 | | 0 | T | | | 192 | |
| 60581 HASSI-MESSAOUD | 3140N | 00609E | 144 | | 1001.6 | 1019.0 | 11.2 | -5 | 7.8 | | 0 | 0 | -4 | 2 | 243 | |
| 60590 EL-GOLEA | 3034N | 00252E | 403 | | 972.8 | 1020.9 | 9.9 | -6 | 7.9 | | 0 | T | -6 | 2 | 234 | 75 |
| 60602 BENI-ABBES | 3008N | 00210W | 505 | | | | 11.4 | -2 | 7.5 | | 01 | 1 | -5 | 3 | 302 | |
| 60607 TIMIMOUN | 2915N | 00017E | 317 | | 981.9 | 1019.7 | 11.2 | -1.0 | 6.5 | | 0 | 0 | -1 | 4 | 225 | |
| 60620 ADRAR | 2753N | 00011W | 283 | | 985.6 | 1019.4 | 12.5 | -4 | 5.3 | | 0 | T | -1 | 4 | 242 | |
| 60630 IN-SALAH | 2714N | 00230E | 269 | | 986.5 | 1018.5 | 13.6 | -1.3 | 5.9 | | 0 | T | -2 | 4 | 260 | 95 |
| 60640 ILLIZI | 2630N | 00825E | 544 | | 955.0 | 1018.7 | 12.4 | | 6.3 | | 0 | 0 | | | 257 | |
| 60656 TINDOUF | 2742N | 00810W | 443 | | 965.7 | 1019.0 | 12.8 | | 7.1 | | | 2 | | | 230 | |
| 60670 DJANET | 2416N | 00928E | 970 | | 907.6 | 1517 Y | 13.6 | -2 | 4.5 | | 0 | T | -1 | 4 | 246 | 85 |
| 60680 TAMANRASSET | 2248N | 00526E | 1364 | | 864.1 | 1515 Y | 13.9 | .0 | 2.9 | | 0 | 0 | -1 | 3 | 272 | 100 |
| 60686 BORDJ-BADJ-MOKHTAR | 2120N | 00057E | 399 | | 969.2 | 1015.2 | 17.4 | | 3.7 | | 0 | 0 | | | 265 | |
| TUNISIA | | | | | | | | | | | | | | | | |
| 60715 TUNIS-CARTHAGE | 3650N | 01014E | 4 | | 1016.5 | 1017.0 | 12.9 | .4 | 10.4 | | 5 | 26 | -40 | 2 | 166 | 112 |
| 60725 JENDOUBA | 3629N | 00848E | 144 | | 1000.5 | 1017.8 | 10.4 | -6 | 9.8 | | 8 | 23 | -33 | 2 | 148 | 100 |
| 60735 KAIROUAN | 3540N | 01006E | 68 | | 1009.2 | 1017.5 | 13.1 | .6 | 8.9 | | 1 | 4 | -31 | 2 | 174 | 94 |
| 60745 GAFSA | 3425N | 00849E | 314 | | 981.3 | 1019.2 | 9.7 | -3 | 7.7 | | 2 | 10 | -17 | 3 | 198 | 96 |

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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. |
| 60765 GABES | 3353N | 01006E | 5 | | 1018.9 | 1019.3 | 13.2 | .2 | 9.5 | | 3 | 17 | -16 | 3 | 210 | 100 |
| NIGER | | | | | | | | | | | | | | | | |
| 61017 BILMA | 1841N | 01255E | 357 | | 973.1 | 1014.1 | 19.8 | | 6.7 | | 0 | 0 | | 5 | 243 | 80 |
| 61024 AGADEZ | 1658N | 00759E | 502 | | 955.4 | 1011.7 | 23.2 | | 4.4 | | 0 | 0 | | 5 | 231 | 75 |
| 61036 TILLABERY | 1412N | 00127E | 210 | | 986.6 | 1010.3 | 26.5 | | 8.6 | | 0 | 0 | | 5 | 295 | 100 |
| 61043 TAHOUA | 1454N | 00515E | 391 | | 967.2 | 1010.9 | 25.5 | | 5.9 | | 0 | 0 | | 5 | 302 | 105 |
| 61045 GOURE | 1359N | 01018E | 464 | | | | 23.4 | | 5.4 | | 0 | 0 | | 5 | 286 | |
| 61049 N'GUIGMI | 1415N | 01307E | 286 | | 978.4 | 1011.1 | 23.9 | | 6.4 | | 0 | 0 | | 5 | 287 | 105 |
| 61052 NIAMEY-AERO | 1329N | 00210E | 227 | | 979.7 | 1010.3 | 25.6 | | 7.8 | | 0 | 0 | | 5 | 293 | 105 |
| 61075 BIRNI-N'KONNI | 1348N | 00515E | 273 | | 979.7 | 1010.3 | 25.6 | | 7.8 | | 0 | 0 | | 5 | 293 | 100 |
| 61080 MARADI | 1328N | 00705E | 373 | | 967.8 | 1009.6 | 24.1 | | 6.2 | | 0 | 0 | | 5 | 260 | 100 |
| 61090 ZINDER | 1347N | 00859E | 453 | | 960.7 | 1011.4 | 24.5 | | 5.3 | | 0 | 0 | | 5 | 290 | 100 |
| 61099 GAYA | 1153N | 00327E | 203 | | 985.9 | 1008.5 | 27.7 | | 9.6 | | 0 | 0 | | 5 | 291 | 100 |
| MALI | | | | | | | | | | | | | | | | |
| 61202 TESSALIT | 2012N | 00059E | 494 | | 958.2 | 1013.6 | 20.8 | | 3.6 | | | | | | 286 | 120 |
| 61223 TOMBOUCTOU | 1643N | 00300W | 264 | | 983.4 | 1013.6 | 22.0 | | 5.7 | | 0 | 0 | -1 | 5 | 265 | 103 |
| 61240 HOMBORI | 1520N | 00141W | 288 | | | 1011.3 | 25.8 | .7 | 9.1 | | 0 | 0 | -1 | | 296 | 115 |
| 61250 MENAKA | 1552N | 00213E | 278 | | | | 25.2 | | 11.6 | | | | | | 285 | 109 |
| 61265 MOPTI | 1431N | 00406W | 276 | | 980.4 | 1011.0 | 23.8 | .1 | 9.3 | | 0 | 0 | -1 | | 290 | 110 |
| 61270 KITA | 1304N | 00928W | 334 | | | | 25.9 | .6 | 11.6 | | 1 | 1 | 0 | | 289 | 107 |
| 61277 SAN | 1320N | 00450W | 284 | | 979.3 | 1011.1 | 25.4 | 1.2 | 10.4 | | 0 | 0 | -1 | 1 | 294 | 109 |
| 61291 BAMAKO/SENOU | 1232N | 00757W | 381 | | 969.2 | 1010.1 | 25.0 | .2 | 9.9 | | 0 | 0 | 0 | | 292 | 109 |
| 61293 KOUTIALA | 1223N | 00528W | 367 | | | | 25.5 | 2.5 | 10.9 | | 0 | 0 | -1 | 1 | 266 | 98 |
| MAURITANIA | | | | | | | | | | | | | | | | |
| 61401 BIR MOGHREIN | 2514N | 01137W | 364 | | 976.0 | 1017.9 | 15.9 | | 11.8 | | 2 | 5 | | 4 | | |
| 61404 ZOUERATE | 2245N | 01229W | 343 | | 977.6 | 1017.5 | 17.0 | | 8.0 | | 1 | 6 | | 5 | | |
| 61442 NOUAKCHOTT | 1806N | 01557W | 3 | | 1013.4 | 1013.8 | 22.0 | | 11.0 | | | | | | 239 | |
| 61461 BOUTILIMIT | 1732N | 01441W | 77 | | 1005.7 | 1014.3 | 23.4 | | 6.9 | | 0 | 0 | | 5 | | |
| 61489 ROSSO | 1630N | 01549W | 6 | | 1013.8 | 1014.5 | 24.3 | | 12.3 | | 0 | 0 | | 5 | | |
| 61492 KAEDI | 1609N | 01331W | 18 | | 1012.2 | 1014.1 | 26.6 | | 7.1 | | 0 | T | | 5 | | |
| 61497 NEMA | 1636N | 00716W | 269 | | 987.5 | | 25.0 | | 5.1 | | 0 | 0 | | | | |
| 61498 KIFFA | 1638N | 01124W | 115 | | 999.3 | 1012.5 | 24.2 | | 9.5 | | 0 | 0 | | | | |
| 61499 AIOUN EL ATROUSS | 1642N | 00936W | 223 | | 987.2 | 1012.6 | 23.7 | | 5.6 | | 0 | 0 | | 5 | | |
| SENEGAL | | | | | | | | | | | | | | | | |
| 61600 SAINT-LOUIS | 1603N | 01627W | 4 | | 1012.1 | 1012.6 | 22.6 | | 17.5 | 4.8 | 0 | T | -1 | 0 | 237 | 102 |
| 61612 PODOR | 1639N | 01458W | 7 | | 1011.9 | 1012.7 | 24.2 | | 8.5 | -6 | 0 | 0 | -1 | 4 | 228 | |
| 61627 LINGUERE | 1523N | 01507W | 21 | | | | 25.8 | | 8.8 | -9 | 0 | 0 | -1 | 4 | 238 | 101 |
| 61630 MATAM | 1539N | 01315W | 17 | | 1009.7 | 1011.6 | 25.9 | | 11.3 | 1.4 | 0 | 0 | -1 | | 150 | 85 |
| 61641 DAKAR/YOFF | 1444N | 01730W | 27 | | 1009.0 | 1012.3 | 22.3 | | 18.3 | -1 | 0 | 0 | -1 | 2 | 262 | 110 |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 61666 DIOURBEL | 1439N | 01614W | 9 | | 1011.0 | 1011.8 | 25.7 | | 12.6 | 1.6 | 0 | 0 | -1 | 4 | 234 | |
| 61679 KAOLACK | 1408N | 01604W | 7 | | 1011.5 | 1012.3 | 26.6 | | 11.8 | | 0 | 0 | -1 | 1 | 273 | 118 |
| 61687 TAMBACOUNDA | 1346N | 01341W | 50 | | 1004.8 | 1010.5 | 27.2 | | 9.5 | .5 | 0 | 0 | -1 | | 260 | 105 |
| 61695 ZIGUINCHOR | 1233N | 01616W | 26 | | 1008.5 | 1011.2 | 24.7 | | 19.8 | 3.4 | 0 | 0 | -1 | | 255 | 99 |
| 61698 KOLDA | 1253N | 01458W | 10 | | 1009.8 | 1010.9 | 24.0 | | 12.0 | -1.8 | 0 | 0 | -1 | | 241 | 103 |
| 61699 KEDOUGOU | 1234N | 01213W | 178 | | 991.4 | 1010.2 | 26.4 | | 17.2 | | 0 | 0 | -1 | 5 | 291 | 113 |
| OCEAN ISLANDS | | | | | | | | | | | | | | | | |
| 61901 ST. HELENA IS. | 1556S | 00540W | 436 | | 964.8 | 1015.3 | 18.4 | | | | 10 | 42 | | | 76 | 75 |
| 61976 SERGE-FROLOW (ILE TROMELIN) | 1548S | 05430E | 13 | | 1010.2 | 1011.7 | 28.2 | | 29.3 | | 11 | 124 | | | 137 | |
| 61996 MARTIN DE VIVIES (ILE AMSTER) | 3748S | 07730E | 29 | | | 1017.7 | 15.7 | | 14.7 | | 11 | 73 | -8 | | | |
| 61998 PORT-AUX-FRANCAIS (ILES KERG) | 4918S | 07012E | 29 | | | 1002.2 | 7.0 | .7 | 7.0 | | 9 | 60 | 3 | | 195 | 105 |
| MAURITIUS | | | | | | | | | | | | | | | | |
| 61974 AGALEGA | 1026S | 05645E | 3 | | 1009.5 | 1010.0 | 27.8 | .6 | 30.7 | 1.2 | 17 | 371 | 181 | 5 | 241 | 60 |
| 61986 ST. BRANDON (ST. RAPHAEL) | 1627S | 05937E | 4 | | 1010.9 | 1011.3 | 27.7 | .7 | 30.0 | 1.5 | 12 | 131 | 60 | 5 | | |
| 61988 RODRIGUES | 1941S | 06325E | 59 | | 1006.8 | 1013.1 | 26.5 | 1.0 | 27.6 | 2.0 | 9 | 53 | -37 | 3 | 296 | 107 |
| 61990 PLAISANCE (MAURITIUS) | 2026S | 05741E | 57 | | 1007.2 | 1013.5 | 26.6 | 1.3 | 26.9 | .9 | 10 | 69 | -121 | 2 | 297 | 121 |
| 61995 VACOAS (MAURITIUS) | 2018S | 05730E | 425 | | 965.0 | | 24.1 | | 24.7 | | 11 | 150 | | 3 | 260 | 110 |
| LIBYAN ARAB JAMAHIRIYA | | | | | | | | | | | | | | | | |
| 62002 NALUT | 3152N | 01059E | 621 | | 943.9 | 1505 Y | 10.4 | | 7.2 | | 1 | 23 | | 4 | 230 | 105 |
| 62007 ZUARA | 3253N | 01205E | 3 | | 1017.5 | 1017.9 | 13.9 | | 10.3 | | 4 | 49 | | 4 | | |
| 62008 YEFREN | 3205N | 01233E | 691 | | 937.7 | 1505 Y | 10.1 | | 7.9 | | 5 | 77 | | | 178 | |
| 62010 TRIPOLI INTERNATIONAL AIRPOR | 3242N | 01305E | 63 | | 1008.4 | 1018.3 | 12.4 | | 9.3 | | 6 | 62 | | 4 | 159 | 90 |
| 62016 MISURATA | 3225N | 01503E | 32 | | 1013.7 | 1017.2 | 15.0 | | 12.3 | | 6 | 92 | | 4 | 174 | 95 |
| 62018 ABU NJAYM | 3034N | 01543E | 90 | | 1008.5 | | 13.4 | | 10.8 | | | | | | 49 | |
| 62019 SIRTE | 3112N | 01635E | 14 | | 1015.8 | 1017.3 | 15.5 | | 12.5 | | 9 | 77 | | 4 | 149 | 70 |
| 62053 BENINA | 3206N | 02016E | 132 | | 1002.3 | 1018.4 | 15.1 | | 10.0 | | 8 | 23 | | 2 | 120 | 70 |
| 62055 AGEDABIA | 3043N | 02010E | 7 | | 1018.4 | 1019.1 | 15.9 | | 10.4 | | 5 | 27 | | 3 | 148 | 75 |
| 62056 SHAHAT | 3248N | 02153E | 649 | | 942.8 | 1513 Y | 11.2 | | 9.5 | | 13 | 129 | | 4 | | |
| 62059 DERNA | 3247N | 02235E | 26 | | 1016.0 | 1019.0 | 16.8 | | 11.3 | | 8 | 98 | | 5 | 64 | 40 |
| 62103 GHADAMES | 3008N | 00930E | 347 | | 977.5 | 1018.7 | 10.7 | | 6.3 | | 1 | 4 | | 4 | 250 | 105 |
| 62120 GARIAT EL-SHARGHIA | 3023N | 01335E | 497 | | 961.4 | 1523 Y | 11.2 | | 3.3 | | 1 | 30 | | 5 | 202 | 90 |
| 62124 SEBHA | 2701N | 01427E | 435 | | 967.5 | 1018.0 | 14.1 | | 8.0 | | 0 | 0 | | 4 | 199 | |
| 62131 HON | 2907N | 01557E | 267 | | 987.4 | 1019.1 | 14.4 | | 7.6 | | 01 | 1 | | 3 | 180 | 80 |
| 62176 GIGHBUB | 2945N | 02432E | -1 | | 1018.8 | 1018.7 | 15.0 | | 10.4 | | 0 | 0 | | 3 | 210 | 90 |
| 62200 OBARI | 2636N | 01247E | 463 | | 963.4 | 1018.5 | 14.0 | | 6.8 | | | | | | 211 | |
| 62212 GHAT | 2508N | 01009E | 699 | | 939.2 | 1530 Y | 13.9 | | 4.6 | | | | | | 212 | |
| 62259 TAZERBO | 2548N | 02108E | 261 | | 988.8 | 1019.2 | 16.0 | | 7.1 | | 0 | 0 | | 5 | 253 | 95 |
| 62271 KUFRA | 2413N | 02318E | 436 | | 970.8 | 1021.5 | 17.1 | | 6.6 | | 0 | 0 | | 5 | | |
| EGYPT | | | | | | | | | | | | | | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 62306 MERSA MATRUH | 3120N | 02713E | 28 | | 1015.7 | 1019.3 | 15.7 | 1.3 | 12.1 | .7 | 4 | 22 | | 3 | 174 | 89 |
| 62337 EL ARISH | 3105N | 03349E | 32 | | 1014.1 | 1018.1 | 14.9 | 1.0 | 10.8 | -.5 | 2 | 4 | | 0 | | |
| 62378 HELWAN | 2952N | 03120E | 141 | | 1002.2 | 1019.2 | 17.4 | 3.0 | 10.5 | .6 | 0 | 0 | | 1 | 217 | 110 |
| 62414 ASSWAN | 2358N | 03247E | 200 | | 993.4 | 1016.2 | 19.3 | 2.4 | 7.8 | -.2 | 0 | 0 | | 3 | | |
| 62417 SIWA | 2912N | 02519E | -13 | | 1020.5 | 1018.9 | 15.5 | 2.3 | 10.2 | 1.3 | 0 | 0 | | 0 | | |
| 62435 KHARGA | 2527N | 03032E | 78 | | 1007.5 | 1017.0 | 16.5 | 1.0 | 9.3 | .3 | 0 | 0 | | 3 | 273 | 99 |
| ETHIOPIA | | | | | | | | | | | | | | | | |
| 63331 GONDAR | 1233N | 03725E | 1967 | | 808.2 | | 20.4 | | 9.7 | | 1 | 15 | | 4 | 275 | |
| 63402 JIMMA | 0740N | 03650E | 1725 | | 835.5 | | 17.6 | | 13.0 | | 3 | 63 | | 2 | 249 | |
| 63450 ADDIS ABABA-BOLE | 0902N | 03845E | 2354 | | 773.5 | 1012.0 | 14.9 | | 8.9 | | | | | | 315 | |
| 63471 DIREDAWA | 0936N | 04151E | 1260 | | 886.5 | 1012.9 | 21.5 | | 11.7 | | | | | | 322 | 110 |
| UNITED REPUBLIC OF TANZANIA | | | | | | | | | | | | | | | | |
| 63756 MWANZA | 0228S | 03255E | 1140 | | 886.0 | 1498 Y | 23.1 | | 21.2 | | 9 | 54 | -108 | | 252 | |
| 63832 TABORA AIRPORT | 0505S | 03250E | 1190 | | 880.7 | 1480 Y | 22.9 | | 20.2 | | 17 | 195 | -11 | | 230 | |
| 63862 DODOMA | 0610S | 03546E | 1120 | | 889.0 | 1505 Y | 24.5 | | 20.0 | | 5 | 102 | -20 | 2 | 280 | |
| 63894 DAR ES SALAAM INT | 0652S | 03912E | 55 | | 1004.4 | 1010.7 | 28.5 | | 29.6 | | 2 | 12 | -104 | | 267 | |
| 63962 SONGEA | 1041S | 03535E | 1067 | | 894.9 | 1510 Y | 21.9 | | 21.3 | | 15 | 163 | -44 | 3 | 162 | |
| 63971 MTWARA | 1016S | 04011E | 113 | | 998.2 | 1011.0 | 28.3 | | 30.2 | | 9 | 72 | -99 | | 232 | |
| SEYCHELLES | | | | | | | | | | | | | | | | |
| 63980 SEYCHELLES INTERNATIONAL AIR | 0440S | 05531E | 3 | | 1010.2 | 1010.6 | 27.2 | .5 | 29.4 | .8 | 18 | 436 | 155 | 5 | 195 | 115 |
| CENTRAL AFRICAN REPUBLIC | | | | | | | | | | | | | | | | |
| 64600 BERBERATI | 0415N | 01548E | 583 | | 944.4 | 1008.9 | 23.8 | | 24.2 | | 5 | 77 | | | 200 | |
| 64601 BOUAR | 0558N | 01538E | 1020 | | 898.6 | 1502 Y | 23.7 | | 14.2 | | 2 | 2 | | | | |
| 64650 BANGUI | 0424N | 01831E | 366 | | 967.5 | 1008.2 | 25.8 | | 24.6 | | 2 | 7 | | | 200 | |
| 64654 N'DELE | 0824N | 02039E | 511 | | 952.4 | 1008.6 | 27.0 | | 17.8 | | | | | | | |
| 64655 BRIA | 0632N | 02159E | 584 | | 944.0 | 1007.8 | 24.3 | | 18.6 | | | | | | | |
| 64656 BANGASSOU | 0444N | 02250E | 500 | | 953.3 | 1008.0 | 25.5 | | 24.8 | | 3 | 15 | | | | |
| 64661 YALINGA | 0630N | 02316E | 602 | | 942.1 | 1007.9 | 23.1 | | 19.4 | | | | | | | |
| 64662 ALINDAO | 0503N | 02112E | 449 | | 957.7 | 1007.1 | 24.9 | | 23.8 | | 2 | 31 | | | | |
| 64665 MOBAYE | 0419N | 02111E | 406 | | | | 25.9 | | 26.0 | | 2 | 6 | | | | |
| CHAD | | | | | | | | | | | | | | | | |
| 64700 NDJAMENA | 1208N | 01502E | 295 | | 976.0 | 1010.0 | 24.9 | | 8.3 | -.1 | 0 | 0 | 0 | | 308 | 102 |
| NIGERIA | | | | | | | | | | | | | | | | |
| 65123 MINNA | 0937N | 00632E | 262 | | 979.2 | 1011.2 | 27.6 | .9 | 16.0 | 3.5 | 0 | 0 | -1 | 1 | 264 | 98 |
| 65167 YOLA | 0914N | 01228E | 191 | | 990.3 | 1011.0 | 27.2 | | 14.9 | 4.7 | 0 | 0 | 0 | 1 | 282 | 101 |
| 65201 LAGOS/IKEJA | 0635N | 00320E | 40 | | 1005.9 | 1011.4 | 27.0 | | 30.4 | 1.8 | 1 | 49 | 35 | 1 | 145 | 76 |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|----------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| BENIN | | | | | | | | | | | | | | | | |
| 65306 KANDI | 1108N | 00256E | 292 | | 976.8 | 1009.5 | 26.5 | 1.7 | 11.3 | 1.4 | 0 | 0 | -1 | 1 | 275 | 99 |
| 65319 NATITINGOU | 1019N | 00123E | 461 | | 958.7 | 1009.5 | 27.5 | 1.1 | 20.5 | 9.7 | 0 | 0 | -3 | 1 | 272 | 105 |
| 65330 PARAKOU | 0921N | 00237E | 393 | | 966.0 | 1009.4 | 27.4 | 1.3 | 15.9 | 1.8 | 1 | 30 | 24 | 1 | 264 | 105 |
| 65335 SAVE | 0802N | 00228E | 200 | | 986.7 | 1008.9 | 28.5 | .8 | 23.4 | 3.3 | 0 | 0 | -4 | 1 | 224 | 102 |
| 65338 BOHICON | 0710N | 00204E | 167 | | 990.9 | 1009.6 | 28.2 | .1 | 28.2 | 2.4 | 0 | 0 | -14 | 1 | 177 | 83 |
| 65344 COTONOU | 0621N | 00223E | 9 | | 1007.5 | 1008.6 | 28.8 | 1.5 | 31.5 | 2.2 | 2 | 21 | 2 | 4 | 208 | 93 |
| GHANA | | | | | | | | | | | | | | | | |
| 65442 KUMASI | 0643N | 00136W | 293 | | 977.6 | 1010.6 | 26.7 | | 26.1 | | 3 | 55 | | | 172 | 45 |
| BURKINA FASO | | | | | | | | | | | | | | | | |
| 65501 DORI | 1402N | 00002W | 277 | | 979.7 | 1011.0 | 25.0 | | 8.6 | | 0 | 0 | | 5 | 284 | 95 |
| 65502 OUAHIGOUYA | 1334N | 00225W | 337 | | 972.6 | 1010.2 | 26.0 | | 6.3 | | 0 | 0 | | 5 | 288 | 100 |
| 65503 OUAGADOUGOU | 1221N | 00131W | 316 | | 976.1 | 1010.3 | 26.2 | | 9.7 | | 0 | 0 | | 5 | 291 | 100 |
| 65505 DEDOUGOU | 1228N | 00329W | 300 | | 976.6 | 1010.1 | 26.8 | | 8.1 | | 0 | 0 | | 5 | 293 | 105 |
| 65507 FADA N'GOURMA | 1202N | 00022E | 309 | | 975.3 | 1009.9 | 26.5 | | 9.1 | | 0 | 0 | | 4 | 288 | 95 |
| 65510 BOBO-DIOULASSO | 1110N | 00419W | 460 | | 959.0 | 1009.9 | 26.6 | | 8.9 | | 0 | 0 | | 5 | 271 | 95 |
| 65516 BOROMO | 1145N | 00256W | 271 | | 979.4 | 1009.8 | 26.1 | | 9.1 | | 0 | 0 | | 4 | 259 | 95 |
| 65518 PO | 1109N | 00109W | 322 | | 973.0 | 1008.9 | 27.0 | | 9.6 | | 0 | 0 | | 4 | 290 | 100 |
| 65522 GAOUA | 1020N | 00311W | 335 | | 977.0 | 1009.7 | 26.2 | | 12.2 | | 0 | 0 | | 4 | 273 | 95 |
| MOZAMBIQUE | | | | | | | | | | | | | | | | |
| 67215 PEMBA | 1259S | 04032E | 101 | | 1000.6 | 1011.7 | 27.5 | | | | 10 | 92 | | | | 60 |
| 67217 LICHINGA | 1318S | 03514E | 1365 | | 867.1 | 1534 Y | 20.1 | | 20.3 | | 20 | 281 | | 5 | 141 | 35 |
| 67237 NAMPULA | 1506S | 03917E | 441 | | 961.1 | 1011.8 | 26.6 | | 22.0 | | 15 | 291 | | | 221 | 70 |
| 67261 TETE | 1611S | 03335E | 150 | | 992.1 | 1009.0 | 29.2 | | 27.7 | | 14 | 235 | | 4 | | |
| 67283 QUELIMANE | 1753S | 03653E | 16 | | 1008.7 | 1010.6 | 28.6 | | 28.3 | | 11 | 228 | | 4 | 215 | |
| 67297 BEIRA | 1948S | 03454E | 16 | | 1009.8 | 1010.7 | 27.8 | | 27.8 | | 15 | 365 | | 5 | | |
| 67323 INHAMBANE | 2352S | 03523E | 15 | | 1009.8 | 1011.4 | 27.0 | | 26.2 | | 11 | 688 | | 6 | 241 | 55 |
| 67341 MAPUTO/MAVALANE | 2555S | 03234E | 44 | | 1005.4 | 1012.7 | 25.6 | | 26.3 | | 15 | 184 | | | 202 | |
| NAMIBIA | | | | | | | | | | | | | | | | |
| 68014 GROOTFONTEIN | 1936S | 01807E | 1411 | | 848.9 | | 22.8 | | 17.1 | | 10 | 94 | | | | |
| 68112 HOSEA KUTAKO INT'L AIRPORT | 2229S | 01728E | 1715 | | 833.0 | | 22.3 | | 12.4 | | 6 | 55 | | | | |
| SOUTH AFRICA | | | | | | | | | | | | | | | | |
| 68174 PIETERSBURG | 2350S | 02925E | 1228 | | 878.9 | 1516 Y | 22.9 | | 18.5 | | 6 | 69 | -12 | 2 | 220 | 87 |
| NAMIBIA | | | | | | | | | | | | | | | | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 68312 KEETMANSHOOP | 2632S | 01807E | 1100 | | 889.1 | | 27.2 | | 7.3 | | 2 | 5 | | | | |
| SOUTH AFRICA | | | | | | | | | | | | | | | | |
| 68424 UPINGTON | 2825S | 02116E | 851 | | 916.2 | 1505 Y | 28.6 | | 7.3 | | 1 | 11 | -6 | 3 | 347 | 95 |
| 68438 KIMBERLEY | 2848S | 02446E | 1204 | | 881.0 | 1511 Y | 26.3 | | 11.4 | | 4 | 10 | -36 | 1 | 318 | 96 |
| 68442 BLOEMFONTEIN AIRPORT | 2906S | 02618E | 1359 | | 869.7 | 1552 Y | 23.3 | | 13.6 | | 9 | 29 | -31 | 1 | 319 | 100 |
| 68461 BETHLEHEM | 2815S | 02820E | 1690 | | 833.1 | 1515 Y | 20.4 | | 16.0 | | 11 | 95 | | 3 | 303 | 100 |
| 68512 SPRINGBOK | 2940S | 01754E | 1007 | | 900.7 | 1511 Y | 23.1 | | 11.7 | | 0 | 0 | | 3 | 378 | |
| 68538 DE AAR | 3039S | 02400E | 1287 | | 870.4 | 1493 Y | 24.3 | | 11.1 | | 1 | 10 | | 3 | 361 | |
| 68588 DURBAN INTNL. AIRPORT | 2958S | 03057E | 14 | | 1010.5 | 1012.1 | 23.4 | | 22.4 | | 12 | 188 | 86 | 5 | 139 | 74 |
| 68618 CALVINIA | 3128S | 01946E | 975 | | 903.6 | 1511 Y | 22.2 | | 9.2 | | 0 | 0 | | | 394 | 105 |
| 68828 GEORGE AIRPORT | 3401S | 02223E | 191 | | | | 18.9 | | 17.2 | | | 2 | | | 241 | 100 |
| 68842 PORT ELIZABETH | 3359S | 02537E | 69 | | | | 20.0 | | 18.8 | | 4 | 15 | -19 | 1 | 271 | 97 |
| 68994 MARION ISLAND | 4653S | 03752E | 22 | | 1001.8 | 1004.7 | 6.3 | | 7.4 | | 19 | 142 | -61 | 1 | 184 | 116 |
| N AMERICA | | | | | | | | | | | | | | | | |
| USA (ALASKA) | | | | | | | | | | | | | | | | |
| 70026 BARROW/W. POST W. ROGERS | 7117N | 15647W | 12 | | | 1021.8 | -17.6 | 6.4 | 1.6 | | 1 | 4 | 0 | 3 | | |
| 70133 KOTZEBUE, RALPH WIEN | 6653N | 16236W | 5 | | | 1018.5 | -15.3 | 3.0 | 1.7 | | 4 | 14 | 1 | 4 | | |
| 70200 NOME, AK | 6430N | 16526W | 6 | | | 1016.2 | -10.8 | 2.9 | 2.6 | | 6 | 25 | 4 | 4 | | |
| 70219 BETHEL/BETHEL AIRPORT, AK | 6046N | 16150W | 44 | | | 1014.0 | -9.7 | 3.4 | 2.8 | | 13 | 49 | 24 | 5 | | |
| 70231 MCGRATH, AK | 6257N | 15530W | 103 | | | 1019.2 | -18.6 | 2.5 | | | 9 | 34 | -1 | 4 | | |
| 70249 PUNTILLA | 6206N | 15240W | 560 | | | | -15.0 | | 2.1 | | 0 | T | | | | |
| 70251 TALKEETNA | 6218N | 15000W | 109 | | | 1015.1 | -12.3 | -.8 | | | 10 | 33 | -15 | 2 | | |
| 70261 FAIRBANKS/INT., AK | 6448N | 14750W | 135 | | | 1021.7 | -22.1 | -.7 | | | 3 | 13 | -8 | 3 | | |
| 70273 ANCHORAGE/INT., AK | 6109N | 14950W | 50 | | | 1013.4 | -9.8 | -1.1 | | | 8 | 25 | -3 | 3 | | |
| 70308 ST. PAUL ISLANDS, AK | 5709N | 17013W | 10 | | | 1012.2 | -1.4 | .3 | 5.1 | | 16 | 66 | 10 | 5 | | |
| 70316 COLD BAY, AK | 5512N | 16240W | 31 | | | 1010.9 | .2 | .8 | 5.7 | | 16 | 87 | -6 | 4 | | |
| 70326 KING SALMON, AK | 5840N | 15630W | 14 | | | 1012.3 | -5.9 | 3.0 | 6.1 | | 10 | 43 | 9 | 4 | | |
| 70341 HOMER/MUNICIPAL | 5938N | 15130W | 24 | | | 1013.3 | -4.5 | -.2 | 4.0 | | 8 | 28 | -43 | 2 | | |
| 70361 YAKUTAT, AK | 5931N | 13940W | 13 | | | 1014.0 | -4.0 | -1.3 | 6.1 | | 12 | 222 | -157 | 2 | | |
| 70398 ANNETTE ISLAND, AK | 5502N | 13130W | 35 | | | 1014.3 | -.6 | -2.7 | 4.9 | | 12 | 192 | -92 | 1 | | |
| USA | | | | | | | | | | | | | | | | |
| 72201 KEY WEST/INT., FL | 2433N | 08145W | 5 | | | 1020.6 | 21.8 | -.1 | 20.9 | | 4 | 23 | -28 | 2 | | |
| 72202 MIAMI, FL | 2545N | 08023W | 5 | | | 1021.2 | 22.0 | 1.4 | 18.6 | | 3 | 7 | -39 | 1 | | |
| 72203 WEST PALM BEACH/ INT. FL. | 2641N | 08006W | 7 | | | 1021.1 | 20.3 | .6 | 17.1 | | 5 | 45 | -18 | 3 | | |
| 72205 ORLANDO/JETPORT FL. | 2826N | 08119W | 32 | | | 1022.0 | 18.0 | 1.3 | 15.2 | | 3 | 17 | -37 | 1 | | |
| 72206 JACKSONVILLE/INTNL., | 3029N | 08142W | 11 | | | 1022.3 | 14.9 | 2.1 | 13.5 | | 2 | 15 | -54 | 1 | | |
| 72207 SAVANNAH/MUNICIPAL., | 3208N | 08112W | 15 | | | 1022.3 | 13.6 | 2.7 | 13.2 | | 4 | 14 | -61 | 1 | | |
| 72208 CHARLESTON/MUN., SC. | 3253N | 08001W | 15 | | | 1022.0 | 13.2 | 2.5 | 12.2 | | 3 | 9 | -71 | 0 | | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|-------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 72211 TAMPA/INT., FL. | 2758N | 08232W | 8 | | | 1021.9 | 18.9 | 2.1 | 15.3 | | 5 | 31 | -23 | 2 | | |
| 72214 TALLAHASSEE/MUN., | 3023N | 08421W | 19 | | | 1022.1 | 13.6 | 1.8 | 13.6 | | 4 | 38 | -89 | 1 | | |
| 72217 MACON/LEWIS B. WILSON, GA. | 3242N | 08339W | 110 | | | 1022.2 | 11.5 | 2.2 | 10.8 | | 4 | 135 | 26 | 4 | | |
| 72218 AUGUSTA/BUSH FIELD, | 3322N | 08158W | 45 | | | 1021.8 | 12.3 | 3.9 | 10.9 | | 4 | 103 | 17 | 4 | | |
| 72219 ATLANTA/MUN., GA. | 3339N | 08425W | 315 | | | 1022.0 | 9.1 | 2.2 | 9.3 | | 9 | 112 | 2 | 4 | | |
| 72223 MOBILE/BATES FIELD, | 3041N | 08815W | 67 | | | 1021.7 | 13.6 | 1.9 | 12.9 | | 7 | 111 | -23 | 2 | | |
| 72226 MONTGOMERY/DANNELLY, | 3218N | 08624W | 67 | | | 1022.0 | 11.8 | 2.1 | 11.0 | | 7 | 112 | -20 | 3 | | |
| 72231 NEW ORLEANS/MOISANT INT., LA | 2959N | 09015W | 9 | | | 1021.3 | 15.1 | 2.6 | 14.3 | | 7 | 56 | -90 | 1 | | |
| 72234 MERIDIAN/KEY, MS. | 3220N | 08845W | 94 | | | 1021.4 | 10.7 | | 10.8 | | 9 | 208 | | 5 | | |
| 72235 JACKSON/ALLEN C. THOMPSON FI | 3219N | 09004W | 91 | | | 1021.5 | 10.1 | 1.3 | 10.2 | | 9 | 226 | 76 | 5 | | |
| 72240 LAKE CHARLES/MUN., | 3007N | 09312W | 5 | | | 1021.4 | 13.0 | 1.1 | 13.8 | | 10 | 76 | -52 | 2 | | |
| 72242 GALVESTON, TX. | 2918N | 09448W | 16 | | | 1019.9 | 13.8 | .2 | 13.4 | | 5 | 46 | -42 | 2 | | |
| 72243 HOUSTON/INTERCONTINENTAL, TX | 2958N | 09521W | 33 | | | 1020.2 | 13.2 | 1.3 | 13.0 | | 8 | 43 | -44 | 1 | | |
| 72248 SHREVEPORT/REG., LA. | 3227N | 09350W | 85 | | | 1020.4 | 9.0 | .1 | 9.4 | | 8 | 80 | -24 | 3 | | |
| 72250 BROWNSVILLE/INT., TX | 2555N | 09725W | 8 | | | 1018.6 | 17.4 | .7 | 16.2 | | 3 | 14 | -17 | 2 | | |
| 72251 CORPUS CHRISTI/INT., | 2746N | 09730W | 15 | | | 1019.0 | 15.4 | .8 | 14.4 | | 4 | 11 | -21 | 2 | | |
| 72253 SAN ANTONIO/INT., | 2932N | 09828W | 247 | | | 1018.9 | 12.8 | 1.6 | 8.5 | | 2 | 6 | -32 | 1 | | |
| 72254 AUSTIN/CTY, TX. | 3018N | 09742W | 193 | | | 1020.1 | 10.8 | -1 | 8.8 | | 3 | 10 | -37 | 1 | | |
| 72255 VICTORIA/VICTORIA REGIONAL, | 2851N | 09655W | 36 | | | 1019.8 | 13.3 | .2 | 13.1 | | 4 | 11 | -40 | 1 | | |
| 72256 WACO, MADISON-COOPER, | 3137N | 09713W | 157 | | | 1020.1 | 9.2 | .1 | 7.6 | | 3 | 17 | -30 | 2 | | |
| 72259 DALLAS-FORT WORTH/FORT WORTH | 3254N | 09702W | 182 | | | 1019.6 | 9.5 | 1.2 | 6.4 | | 2 | 7 | -39 | 1 | | |
| 72263 SAN ANGELO/MATHIS, | 3122N | 10030W | 584 | | | 1019.2 | 9.2 | 1.4 | 5.7 | | 1 | 1 | -19 | 2 | | |
| 72265 MIDLAND/MIDLAND REG. AIR TER | 3156N | 10210W | 875 | | | 1017.4 | 7.7 | .7 | 4.4 | | 1 | 3 | -11 | 2 | | |
| 72266 ABILENE/MUN., TX. | 3225N | 09941W | 546 | | | 1019.1 | 8.0 | .5 | 5.6 | | | 2 | -24 | 1 | | |
| 72267 LUBBOCK/LUBBOCK INTERNATIONAL | 3339N | 10140W | 996 | | | 1017.1 | 5.9 | 1.1 | 4.0 | | 0 | T | -13 | 1 | | |
| 72270 EL PASO/INT., TX. | 3148N | 10620W | 1206 | | | 1016.2 | 8.9 | 2.2 | 4.5 | | 1 | 7 | -7 | 3 | | |
| 72274 TUCSON/INT., AZ. | 3207N | 11050W | 788 | | | 1016.8 | 12.2 | 1.1 | 6.4 | | 3 | 27 | 0 | 4 | | |
| 72278 PHOENIX/SKY HARBOR, | 3326N | 11200W | 344 | | | 1016.6 | 13.3 | 1.0 | 7.2 | | 6 | 25 | 0 | 4 | | |
| 72290 SAN DIEGO/LINDBERGH, | 3244N | 11710W | 9 | | | 1018.7 | 13.7 | -4 | 10.4 | | 5 | 86 | 47 | 5 | | |
| 72295 LOS ANGELES /INT., | 3356N | 11820W | 38 | | | 1018.1 | 12.7 | -1.1 | 9.6 | | 4 | 64 | 22 | 4 | | |
| 72306 RALEIGH/RALEIGH-DURHAM, NC. | 3552N | 07847W | 134 | | | 1021.4 | 8.5 | 2.6 | 8.8 | | 9 | 78 | -4 | 3 | | |
| 72308 NORFOLK/INT., VA. | 3654N | 07612W | 9 | | | 1021.0 | 8.9 | 2.3 | 8.8 | | 8 | 97 | 15 | 4 | | |
| 72310 COLUMBIA, SC. | 3357N | 08107W | 72 | | | 1021.6 | 10.6 | 2.3 | 10.4 | | 6 | 86 | -5 | 3 | | |
| 72312 GREENVILLE/GREENVILLE SPARTA | 3454N | 08213W | 296 | | | 1020.8 | 8.1 | 1.8 | 8.5 | | 10 | 102 | -3 | 3 | | |
| 72314 CHARLOTTE/DOUGLAS, | 3513N | 08056W | 234 | | | 1021.5 | 8.2 | 2.3 | 8.5 | | 8 | 82 | -6 | 3 | | |
| 72315 ASHEVILLE/MUN., NC. | 3526N | 08233W | 661 | | | 1020.7 | 5.4 | 1.2 | 7.8 | | 11 | 121 | 32 | 4 | | |
| 72317 GREENSBORO/G.-HIGH PT., NC. | 3605N | 07957W | 277 | | | 1021.3 | 6.9 | 2.2 | 7.3 | | 8 | 84 | -1 | 3 | | |
| 72324 CHATTANOOGA/LOVELL FIELD, TN | 3502N | 08512W | 210 | | | 1021.8 | 7.2 | 2.1 | 8.2 | | 13 | 248 | 117 | 5 | | |
| 72326 KNOXVILLE/MUN., TN. | 3549N | 08359W | 299 | | | 1021.4 | 5.5 | 1.0 | 8.0 | | 13 | 229 | 114 | 5 | | |
| 72327 NASHVILLE/METROPOLITAN, TN. | 3607N | 08641W | 180 | | | 1021.6 | 4.8 | .1 | 6.3 | | 13 | 171 | 54 | 5 | | |
| 72344 FORT SMITH/MUN., AR. | 3520N | 09422W | 143 | | | 1020.7 | 4.9 | .3 | 6.2 | | 6 | 79 | 2 | 4 | | |
| 72351 WICHITA FALLS/SHEPS AFB/WICH | 3358N | 09829W | 314 | | | 1019.1 | 6.1 | .1 | 5.2 | | 2 | 27 | -5 | 3 | | |
| 72353 OKLAHOMA CITY/W. ROGERS WORL | 3523N | 09736W | 398 | | | 1019.2 | 4.2 | .1 | 4.9 | | 2 | 18 | -17 | 2 | | |
| 72360 CLAYTON/MUN., NM. | 3627N | 10300W | 1515 | | | 1015.2 | 2.6 | 1.2 | 3.5 | | 01 | 1 | -6 | 1 | | |
| 72365 ALBUQUERQUE/INT., NM. | 3502N | 10630W | 1619 | | | 1017.0 | 3.9 | 2.1 | 4.0 | | 4 | 17 | 5 | 4 | | |
| 72386 LAS VEGAS/MCCARRAN, | 3605N | 11510W | 664 | | | 1017.1 | 7.9 | .3 | 5.0 | | 3 | 29 | 20 | 5 | | |

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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. |
| 72389 FRESNO/AIR TERM., | 3646N | 11940W | 101 | | | 1020.5 | 7.2 | -2 | 7.9 | | 6 | 28 | -8 | 3 | | |
| 72401 RICHMOND/BYRD, VA. | 3730N | 07720W | 54 | | | 1021.5 | 6.9 | 2.4 | 7.0 | | 7 | 103 | 21 | 4 | | |
| 72405 WASHINGTON/NAT., VA. | 3851N | 07702W | 20 | | | 1020.9 | 4.6 | .5 | 5.9 | | 10 | 75 | -4 | 3 | | |
| 72406 BALTIMORE/BALTIMORE-WASHINGT | 3911N | 07640W | 48 | | | 1020.7 | 3.5 | .9 | 5.8 | | 8 | 81 | -5 | 3 | | |
| 72407 ATLANTIC CITY, NJ. | 3927N | 07434W | 21 | | | 1020.5 | 4.5 | 2.4 | 6.5 | | 10 | 185 | 101 | 5 | | |
| 72408 PHILADELPHIA/INT., | 3953N | 07515W | 9 | | | 1020.4 | 3.7 | 1.6 | 5.9 | | 10 | 142 | 57 | 5 | | |
| 72411 ROANOKE/MUN., VA. | 3719N | 07958W | 358 | | | 1021.1 | 5.4 | 1.9 | 6.3 | | 7 | 57 | -18 | 3 | | |
| 72412 BECKLEY (RALEIGH CTY. MEMORI | 3747N | 08107W | 766 | | | 1020.8 | 1.7 | .6 | 6.3 | | 15 | 113 | 31 | 5 | | |
| 72414 CHARLESTON/KANAWHA., | 3822N | 08136W | 299 | | | 1020.2 | 3.4 | .6 | 6.3 | | 12 | 129 | 43 | 5 | | |
| 72421 CINCINNATI/GREATER CINCINNAT | 3903N | 08440W | 271 | | | 1020.1 | 1.0 | .2 | 5.5 | | 14 | 114 | 34 | 5 | | |
| 72422 LEXINGTON/BLUE GRASS, KY. | 3802N | 08436W | 301 | | | 1020.3 | 2.1 | | 5.7 | | 12 | 153 | | 5 | | |
| 72423 LOUISVILLE/STANDIFORD, KY. | 3811N | 08544W | 151 | | | 1020.8 | 3.0 | .3 | 5.7 | | 12 | 132 | 40 | 5 | | |
| 72425 HUNTINGTON, WV. | 3822N | 08233W | 255 | | | 1020.1 | 2.4 | -.3 | 6.3 | | 11 | 112 | 27 | 4 | | |
| 72428 COLUMBUS/PORT COLUMBUS, OH. | 4000N | 08253W | 254 | | | 1019.9 | .6 | .7 | 4.6 | | 10 | 124 | 52 | 5 | | |
| 72429 DAYTON/. COX, OH. | 3952N | 08407W | 307 | | | 1020.2 | -.7 | -.5 | 4.9 | | 12 | 132 | 58 | 5 | | |
| 72432 EVANSVILLE/REG., IN. | 3803N | 08732W | 127 | | | 1021.5 | 1.9 | .1 | 5.4 | | 12 | 122 | 29 | 3 | | |
| 72434 ST. LOUIS/LAMBERT, | 3845N | 09022W | 174 | | | 1021.5 | .3 | -.8 | 5.3 | | 12 | 116 | 39 | 5 | | |
| 72438 INDIANAPOLIS/I.-MUN/WEIR COO | 3944N | 08616W | 246 | | | 1019.7 | -.7 | -.1 | 4.9 | | 12 | 142 | 58 | 5 | | |
| 72439 SPRINGFIELD/CAPITAL, | 3951N | 08940W | 187 | | | 1020.1 | -1.9 | -.6 | 4.9 | | 10 | 100 | 31 | 4 | | |
| 72445 COLUMBIA/REGIONAL, | 3849N | 09213W | 274 | | | 1019.8 | -1.2 | -1.1 | 4.8 | | 7 | 65 | 3 | 4 | | |
| 72451 DODGE CITY/MUN., KS. | 3745N | 09958W | 790 | | | 1018.2 | .4 | .1 | 3.6 | | 2 | 4 | -12 | 2 | | |
| 72458 CONCORDIA/BLOSSER MUN., KS. | 3933N | 09739W | 453 | | | 1019.5 | -3.0 | -1.7 | 3.9 | | 3 | 14 | -7 | 3 | | |
| 72476 GRAND JUNCTION/WALKER FIELD, | 3907N | 10830W | 1474 | | | 1020.5 | -3.2 | -1.4 | 3.6 | | 6 | 22 | 7 | 4 | | |
| 72483 SACRAMENTO/EXECUTIVE CA. | 3831N | 12130W | 8 | | | 1019.9 | 6.7 | -.7 | 8.3 | | 8 | 39 | -24 | 2 | | |
| 72486 ELY/YELLAND, NV. | 3917N | 11450W | 1909 | | | 1019.1 | -3.9 | -.3 | | | 1 | 8 | -9 | 2 | | |
| 72488 RENO/INT., NV. | 3930N | 11940W | 1344 | | | 1018.6 | 1.5 | 1.1 | | | 3 | 13 | -12 | 2 | | |
| 72494 SAN FRANCISCO/INT., | 3737N | 12220W | 6 | | | 1019.8 | 9.5 | -.2 | 9.4 | | 9 | 60 | -18 | 3 | | |
| 72503 NEW YORK/LA GUARDIA, | 4046N | 07354W | 9 | | | 1019.2 | 3.9 | 1.3 | 5.5 | | 10 | 134 | 48 | 4 | | |
| 72507 PROVIDENCE/GREEN STATE, RI. | 4144N | 07126W | 19 | | | 1018.8 | 1.7 | 1.3 | 5.4 | | 15 | 184 | 73 | 5 | | |
| 72508 HARTFORD/BRADLEY INTNL., CT. | 4156N | 07241W | 55 | | | 1018.5 | .1 | 1.5 | 5.2 | | 13 | 169 | 70 | 4 | | |
| 72509 BOSTON/LOGAN INT., | 4222N | 07102W | 9 | | | 1018.1 | 1.9 | 1.0 | 5.5 | | 15 | 180 | 79 | 4 | | |
| 72513 WILKES-BARRE-SCRANTON, PA. | 4120N | 07544W | 292 | | | 1018.6 | -.4 | .7 | 4.5 | | 11 | 129 | 66 | 5 | | |
| 72515 BINGHAMTON/BROOME CO., NY. | 4213N | 07559W | 497 | | | 1018.5 | -2.8 | .3 | 4.4 | | 14 | 92 | 16 | 4 | | |
| 72517 ALLENTOWN/A.-BETHLEHEM-EASTO | 4039N | 07526W | 118 | | | 1019.8 | .3 | .4 | 5.0 | | 13 | 174 | 86 | 5 | | |
| 72519 SYRACUSE/HANCOCK, | 4307N | 07607W | 128 | | | 1017.2 | -1.8 | .3 | 4.5 | | 17 | 99 | 18 | 4 | | |
| 72520 PITTSBURGH/GREATER PITTSBURG | 4030N | 08013W | 373 | | | 1019.6 | .5 | .8 | 4.8 | | 12 | 121 | 47 | 5 | | |
| 72521 AKRON/AKRON-CANTON REG. OH. | 4055N | 08126W | 377 | | | 1018.8 | -.8 | -.1 | 4.4 | | 11 | 87 | 13 | 4 | | |
| 72525 YOUNGSTOWN, OH. | 4116N | 08040W | 365 | | | 1018.5 | -.7 | .7 | 4.4 | | 14 | 92 | 18 | 4 | | |
| 72528 BUFFALO/GREATER BUFFALO INT. | 4256N | 07843W | 219 | | | 1017.8 | -1.4 | .2 | 4.2 | | 19 | 173 | 80 | 5 | | |
| 72529 ROCHESTER/ROCHESTER-MONROE C | 4307N | 07740W | 171 | | | 1017.5 | -.8 | .8 | 4.1 | | 10 | 92 | 23 | 4 | | |
| 72530 CHICAGO/O'HARE, IL. | 4159N | 08754W | 205 | | | 1018.4 | -4.8 | -1.8 | 3.8 | | 14 | 147 | 85 | 6 | | |
| 72532 PEORIA/GREATER PEORIA MUN., | 4040N | 08941W | 202 | | | 1019.8 | -4.3 | -1.5 | 4.2 | | 9 | 102 | 40 | 5 | | |
| 72533 FORT WAYNE/MUN., | 4100N | 08512W | 252 | | | 1019.9 | -2.5 | -.6 | 4.5 | | 11 | 110 | 37 | 5 | | |
| 72535 SOUTH BEND/ST. JOSEPH CO., IN | 4142N | 08619W | 241 | | | 1018.7 | -3.3 | -1.6 | 4.1 | | 13 | 96 | 13 | 4 | | |
| 72536 TOLEDO/EXPRESS, OH. | 4136N | 08348W | 211 | | | 1018.9 | -2.4 | -.1 | 4.4 | | 10 | 108 | 34 | 5 | | |
| 72537 DETROIT/METROPOLITAN, MI. | 4214N | 08320W | 202 | | | 1018.3 | -2.5 | -.4 | 4.1 | | 10 | 103 | 32 | 5 | | |

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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. |
| 72544 MOLINE/QUAD CITY, | 4127N | 09031W | 181 | | | 1019.0 | -6.1 | -2.4 | 3.6 | | 12 | 116 | 60 | 5 | | |
| 72546 DES MOINES/MUN., IA. | 4132N | 09339W | 294 | | | 1019.4 | -5.8 | -1.6 | 3.2 | | 8 | 51 | 18 | 5 | | |
| 72556 NORFOLK/KARL STEFAN, | 4159N | 09726W | 479 | | | 1018.6 | -7.4 | -2.3 | 3.1 | | 5 | 33 | 15 | 5 | | |
| 72557 SIOUX CITY/MUN., IA. | 4224N | 09623W | 336 | | | 1019.8 | -8.3 | -2.6 | 3.0 | | 4 | 37 | 18 | 4 | | |
| 72562 NORTH PLATTE/LEE BIRD, NE. | 4107N | 10040W | 849 | | | 1018.5 | -5.6 | -1.3 | 3.4 | | 1 | 6 | -5 | 2 | | |
| 72564 CHEYENNE, WY. | 4109N | 10440W | 1876 | | | 1014.9 | -4.1 | | 2.6 | | 3 | 8 | | 3 | | |
| 72569 CASPER/NATRONA COUNTY, INTNL | 4255N | 10620W | 1630 | | | 1016.5 | -6.5 | -1.9 | 2.9 | | 3 | 10 | -6 | 2 | | |
| 72572 SALT LAKE CITY/INTNL UT. | 4047N | 11150W | 1288 | | | 1018.7 | -1.0 | .3 | 4.1 | | 8 | 33 | -2 | 3 | | |
| 72576 LANDER/HUNT, WY. | 4249N | 10840W | 1703 | | | 1015.6 | -5.7 | .5 | 2.8 | | 2 | 14 | 0 | 4 | | |
| 72578 POCATELLO/MUN., ID. | 4255N | 11230W | 1365 | | | 1019.6 | -4.3 | -.3 | | | 5 | 38 | 10 | 3 | | |
| 72583 WINNEMUCCA/MUN., NV. | 4054N | 11740W | 1322 | | | 1019.5 | -2.8 | -1.6 | | | 6 | 28 | 6 | 4 | | |
| 72594 EUREKA, CA. | 4048N | 12410W | 18 | | | | 6.3 | -2.8 | | | 17 | 169 | 16 | 4 | | |
| 72597 MEDFORD/MEDFORD-JACKSON COUN | 4223N | 12250W | 398 | | | 1019.5 | 2.6 | | 6.6 | | 12 | 74 | | 3 | | |
| 72605 CONCORD/MUN., NH. | 4312N | 07130W | 105 | | | 1018.3 | -2.8 | | 4.3 | | 12 | 118 | | 4 | | |
| 72606 PORTLAND/INTNL. JET PORT, ME | 4339N | 07019W | 23 | | | 1017.2 | -2.0 | 1.1 | 4.4 | | 12 | 117 | 2 | 2 | | |
| 72613 MOUNT WASHINGTON, | 4416N | 07118W | 1910 | | | | -12.3 | .5 | 2.5 | | 22 | 178 | -68 | 2 | | |
| 72617 BURLINGTON/INT., VT. | 4428N | 07309W | 104 | | | 1017.8 | -4.1 | .9 | 3.7 | | 11 | 74 | 13 | 4 | | |
| 72635 GRAND RAPIDS/KENT CO., MI. | 4253N | 08531W | 245 | | | 1017.9 | -3.2 | -.5 | 4.2 | | 14 | 159 | 87 | 5 | | |
| 72636 MUSKEGON/COUNTY, MI. | 4310N | 08615W | 193 | | | 1017.1 | -2.7 | -.8 | 4.2 | | 16 | 178 | 101 | 6 | | |
| 72637 FLINT/BISHOP, MI. | 4258N | 08345W | 238 | | | 1017.8 | -4.1 | -1.4 | 3.8 | | 17 | 107 | 54 | 4 | | |
| 72640 MILWAUKEE/GEN. MITCHELL, WI. | 4257N | 08754W | 220 | | | 1018.3 | -5.3 | -1.1 | 3.6 | | 14 | 106 | 47 | 5 | | |
| 72641 MADISON/DANE COUNTY REGIONAL | 4308N | 08920W | 264 | | | 1018.2 | -8.3 | -2.6 | 3.2 | | 15 | 84 | 38 | 5 | | |
| 72644 ROCHESTER/MUN., MN. | 4355N | 09230W | 402 | | | 1018.1 | -10.9 | -2.7 | 2.6 | | 6 | 39 | 13 | 5 | | |
| 72645 GREEN BAY/A.-STRAUBEL, WI. | 4429N | 08806W | 209 | | | 1017.6 | -9.5 | -2.9 | 2.9 | | 15 | 95 | 57 | 6 | | |
| 72651 SIOUX FALLS/FOSS FIELD, SD. | 4335N | 09644W | 435 | | | 1018.6 | -9.3 | -1.7 | 2.6 | | 5 | 18 | 1 | 3 | | |
| 72654 HURON/HURON REGIONAL SD. | 4423N | 09813W | 393 | | | 1018.4 | -10.4 | -2.7 | 2.8 | | 7 | 22 | 11 | 6 | | |
| 72658 MINNEAPOLIS/ST.PAUL INT., MN | 4453N | 09313W | 256 | | | 1018.0 | -10.2 | -2.4 | 2.3 | | 7 | 30 | 3 | 4 | | |
| 72662 RAPID CITY/REGIONAL AIRPORT, | 4440N | 10310W | 1030 | | | 1017.4 | -7.8 | -3.5 | 3.0 | | 5 | 14 | 3 | 4 | | |
| 72666 SHERIDAN/COUNTY, WY. | 4446N | 10650W | 1226 | | | 1017.7 | -8.5 | -3.3 | 3.0 | | 6 | 17 | 0 | 3 | | |
| 72677 BILLINGS/LOGAN INT., | 4548N | 10830W | 1099 | | | 1017.1 | -7.1 | -3.5 | 2.9 | | 7 | 31 | 11 | 4 | | |
| 72681 BOISE/MUN., ID. | 4334N | 11610W | 872 | | | 1018.7 | -2 | .9 | 4.5 | | 13 | 45 | 11 | 4 | | |
| 72688 PENDLETON, OR. | 4541N | 11850W | 456 | | | 1017.1 | -1.7 | -3.0 | 4.6 | | 12 | 66 | 25 | 4 | | |
| 72698 PORTLAND/INT., OR. | 4536N | 12230W | 12 | | | 1017.6 | 3.1 | -1.5 | 6.8 | | 16 | 69 | -86 | 1 | | |
| 72712 CARIBOU/MUN., ME. | 4652N | 06800W | 191 | | | 1015.7 | -8.9 | .7 | 3.2 | | 13 | 143 | 62 | 5 | | |
| 72743 MARQUETTE, MI. | 4632N | 08733W | 434 | | | | -9.4 | -1.2 | 2.8 | | 1 | 88 | 22 | 4 | | |
| 72745 DULUTH/INT., MN. | 4650N | 09211W | 436 | | | 1017.2 | -13.9 | -3.2 | 1.9 | | 9 | 49 | 18 | 5 | | |
| 72747 INT.FALLS/FALLS INT. MN. | 4833N | 09323W | 362 | | | 1018.2 | -17.8 | -4.0 | 1.7 | | 9 | 36 | 15 | 5 | | |
| 72753 FARGO/HECTOR FIELD, | 4654N | 09648W | 274 | | | 1018.8 | -14.5 | -3.2 | 1.9 | | 6 | 46 | 30 | 6 | | |
| 72764 BISMARCK/MUN., ND. | 4646N | 10040W | 505 | | | 1019.7 | -14.0 | -4.0 | 2.1 | | 11 | 36 | 23 | 6 | | |
| 72767 WILLISTON/SLOULIN FIELD INT. | 4811N | 10330W | 592 | | | 1019.2 | -14.8 | -4.4 | 2.0 | | 10 | 64 | 50 | 6 | | |
| 72768 GLASGOW/INT., MT. | 4812N | 10630W | 693 | | | 1018.9 | -13.7 | -4.4 | 2.4 | | 8 | 33 | 24 | 6 | | |
| 72772 HELENA/COUNTY-CITY, | 4636N | 11200W | 1188 | | | 1020.8 | -6.6 | -.6 | 2.7 | | 7 | 20 | 5 | 4 | | |
| 72773 MISSOULA / JOHNSON-BELL FIEL | 4655N | 11400W | 976 | | | 1019.9 | -5.9 | -1.1 | | | 9 | 36 | 7 | 4 | | |
| 72781 YAKIMA/YAKIMA AIR TERMINAL, | 4634N | 12030W | 332 | | | 1018.8 | -4.4 | -3.2 | | | 5 | 21 | -14 | 2 | | |
| 72785 SPOKANE/INT., WA. | 4738N | 11730W | 721 | | | 1017.8 | -5.5 | -3.2 | 4.0 | | 17 | 103 | 42 | 5 | | |
| 72792 OLYMPIA, WA. | 4658N | 12250W | 62 | | | 1017.6 | 1.7 | -1.7 | 6.4 | | 19 | 120 | -86 | 1 | | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 72793 SEATTLE/S.-TACOMA, | 4727N | 12210W | 137 | | | 1016.7 | 2.8 | -1.9 | 6.4 | | 20 | 104 | -46 | 2 | | |
| 72797 QUILLAYUTE, WA. | 4757N | 12430W | 56 | | | 1015.8 | 2.7 | | 6.8 | | 21 | 284 | | | | |
| 74492 BLUE HILL OBS. MA. | 4213N | 07107W | 195 | | | 1018.2 | .3 | 1.4 | | | 16 | 232 | 113 | 5 | | |
| CANADA | | | | | | | | | | | | | | | | |
| 71017 STEFANSSON ISLAND, NU | 7345N | 10510W | 11 | | 1010.6 | 1011.9 | -29.2 | | .5 | | 6 | 27 | | | | |
| 71026 MEDICINE HAT RCS, ALTA | 5001N | 11040W | 717 | | 929.7 | 1018.1 | -13.0 | | 2.4 | | 9 | 28 | | 5 | | |
| 71029 HOLMAN CS, NWT | 7045N | 11740W | 30 | | 1013.8 | 1017.9 | -25.1 | | .7 | | | | | | | |
| 71049 WAGER BAY (AUT), MAN | 6552N | 08926W | 18 | | 1005.3 | 1007.5 | -26.5 | | .5 | | 1 | 3 | | | | |
| 71066 HIGH LEVEL A, ALTA | 5837N | 11700W | 338 | | 978.1 | 1022.7 | -24.3 | -4.1 | .8 | | 11 | 25 | 3 | 5 | | |
| 71069 SLAVE LAKE A, ALTA | 5517N | 11440W | 583 | | 946.6 | 1020.3 | -17.6 | -4.2 | 1.5 | | 10 | 21 | -4 | 3 | | |
| 71074 ISACHSEN (AUT), NU | 7847N | 10330W | 58 | | 1002.9 | 1010.7 | -29.3 | | .5 | | 5 | 11 | | 6 | | |
| 71079 THOMPSON | 5548N | 09752W | 222 | | 988.5 | 1018.5 | -27.5 | -5.4 | .5 | | 3 | 14 | -14 | 2 | | |
| 71101 SANDSPIT AWOS, BC | 5315N | 13140W | 6 | | 1013.0 | 1013.8 | 2.0 | -1.5 | 5.6 | | | | | | | |
| 71109 PORT HARDY A, BC | 5040N | 12720W | 22 | | 1012.2 | 1014.8 | 1.3 | -2.0 | 6.0 | | 18 | 185 | -75 | 1 | | |
| 71120 COLD LAKE A, ALTA | 5425N | 11010W | 541 | | 951.5 | 1020.7 | -20.3 | -5.3 | 1.2 | | 8 | 33 | 12 | 5 | | |
| 71122 BANFF CS, ALTA | 5112N | 11530W | 1397 | | 853.2 | 1018.4 | -13.4 | -3.9 | 2.2 | | 10 | 39 | 5 | 5 | | |
| 71158 BERENS RIVER CS, MAN | 5221N | 09702W | 222 | | 989.5 | 1018.6 | -22.4 | | 1.0 | | | | | | | |
| 71160 FORT RELIANCE (AUT), NWT | 6242N | 10900W | 168 | | 997.8 | 1020.5 | -26.9 | | .6 | | | 3 | | 0 | | |
| 71185 DANIELS HARBOUR, | 5014N | 05734W | 18 | | 1007.4 | 1009.8 | -3.7 | .4 | 4.1 | | 21 | 132 | 26 | 5 | | |
| 71197 PORT AUX BASQUES, | 4734N | 05909W | 40 | | 1007.5 | 1012.5 | -7 | 1.0 | 5.1 | | 14 | 162 | -10 | 3 | | |
| 71199 WATSON LAKE (AUT), YT | 6007N | 12840W | 690 | | 936.7 | 1025.6 | -27.3 | | .8 | | 10 | 34 | | 5 | | |
| 71279 SEPT-ILES, QUE | 5013N | 06615W | 53 | | 1006.5 | 1013.3 | -12.0 | | 2.6 | | 12 | 102 | | | | |
| 71288 CAMBRIDGE BAY GSN, NU | 6906N | 10500W | 19 | | | | -28.9 | | .5 | | 1 | 2 | | | | |
| 71299 KAPUSKASING CDA ON, ONT | 4924N | 08226W | 218 | | 986.5 | 1015.5 | -18.1 | | 1.8 | | 29 | 120 | | 6 | | |
| 71309 MOOSONEE RCS, ONT | 5117N | 08037W | 9 | | 1013.7 | 1014.9 | -18.6 | | 1.5 | | 30 | 189 | | | | |
| 71320 HALL BEACH CLIMATE, NU | 6846N | 08114W | 8 | | 1004.7 | 1004.7 | -27.3 | | .6 | | 0 | 0 | | | | |
| 71321 IQALUIT CLIMATE, NU | 6345N | 06833W | 34 | | 1002.5 | 1007.0 | -24.2 | | 1.0 | | 2 | 4 | | | | |
| 71322 ARVIAT CLIMATE, NU | 6106N | 09404W | 10 | | 1010.4 | 1011.7 | -27.4 | | .6 | | 11 | 34 | | | | |
| 71350 HARRINGTON CDA CS, PEI | 4621N | 06310W | 53 | | 1007.6 | 1014.2 | -1.8 | | 5.0 | | 14 | 152 | | | | |
| 71355 ALERT CLIMATE, NU | 8230N | 06220W | 65 | | 1002.7 | 1011.6 | -28.2 | | .5 | | 0 | 0 | | | | |
| 71356 BAKER LAKE CLIMATE, NU | 6419N | 09600W | 51 | | 1005.3 | 1012.3 | -28.6 | | .5 | | | | | | | |
| 71361 HAY RIVER CLIMATE, NWT | 6050N | 11540W | 164 | | 1000.1 | 1022.1 | -23.3 | | .9 | | 6 | 14 | | | | |
| 71362 FORT SMITH CLIMATE, NWT | 6001N | 11150W | 203 | | 993.7 | 1020.8 | -25.0 | | .8 | | 4 | 15 | | | | |
| 71363 GJOA HAVEN CLIMATE, NU | 6838N | 09551W | 42 | | 1004.0 | 1009.5 | -29.6 | | .4 | | | 2 | | | | |
| 71364 INUVIK CLIMATE, NWT | 6819N | 13330W | 103 | | 1010.8 | 1024.8 | -22.7 | | .9 | | 2 | 9 | | | | |
| 71365 FORT SIMPSON CLIMATE, NWT | 6145N | 12110W | 168 | | 1001.1 | 1023.7 | -24.5 | | .8 | | 4 | 15 | | | | |
| 71407 RESERVED OR UNKNOWN | 9999N | 99999E | | | 1006.3 | 1008.4 | -28.7 | | .5 | | | 3 | | | | |
| 71434 PEAWANUCK (AUT), ONT | 5459N | 08526W | 52 | | 1005.4 | 1012.4 | -25.0 | | .8 | | 6 | 16 | | | | |
| 71446 SWIFT CURRENT CDA, SASK | 5016N | 10740W | 825 | | 915.9 | 1018.2 | -14.7 | | 2.0 | | 1 | 4 | | 1 | | |
| 71467 SACHS HARBOUR CLIMATE, NWT | 7200N | 12510W | 88 | | 1008.6 | 1020.7 | -25.4 | | .8 | | 0 | 0 | | | | |
| 71480 RESERVED OR UNKNOWN | 9999N | 99999E | | | 1012.2 | 1025.0 | -25.8 | | .8 | | 1 | 4 | | | | |
| 71490 ROBERTSON LAKE (AUT), NU | 6505N | 10220W | 244 | | 983.7 | 1016.9 | -29.7 | | .5 | | | 2 | | | | |
| 71493 PARRSBORO, NS | 4524N | 06420W | 31 | | 1010.8 | 1014.7 | -1.9 | | 5.1 | | 15 | 189 | | | | |
| 71570 GREAT FALLS CLIMATE, MAN | 5031N | 09558W | 253 | | 986.1 | 1019.0 | -19.7 | | 1.2 | | 4 | 11 | | | | |
| 71586 LA RONGE RCS, SASK | 5509N | 10510W | 379 | | 970.9 | 1020.2 | -24.1 | | .9 | | 3 | 5 | | 0 | | |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|---|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 71590 EDMUNDSTON, NB | 4725N | 06819W | 157 | | 995.4 | 1015.1 | -11.2 | | 2.6 | | 13 | 101 | | | | |
| 71592 ARCTIC BAY CS, NU | 7259N | 08500W | 10 | | 1005.1 | 1006.5 | -26.7 | | .5 | | 1 | 2 | | | | |
| 71600 SABLE ISLAND, NS | 4355N | 06000W | 5 | | 1015.8 | 1016.4 | 4.4 | 2.1 | 7.1 | | 21 | 219 | 74 | 6 | | |
| 71695 THE PAS CLIMATE, MAN | 5358N | 10106W | 274 | | 983.7 | 1019.2 | -23.1 | | .9 | | 15 | 37 | | | | |
| 71696 CHURCHILL CLIMATE, MAN | 5844N | 09404W | 29 | | 1009.4 | 1013.3 | -26.3 | | .6 | | 0 | 0 | | | | |
| 71713 LA POCATIERE, QUE | 4721N | 07001W | 31 | | | | -8.6 | | 2.9 | | 17 | 114 | | 4 | | |
| 71721 MANIWAKI AIRPORT, QUE | 4616N | 07559W | 201 | | 990.9 | 1016.3 | -10.6 | | 2.9 | | 19 | 131 | | 6 | | |
| 71727 BAGOTVILLE A, QUE | 4820N | 07100W | 159 | | 995.7 | 1016.0 | -12.0 | .1 | 2.5 | | 16 | 90 | 13 | 4 | | |
| 71733 GORE BAY A, ONT | 4553N | 08234W | 194 | | 991.1 | 1014.7 | -6.6 | -1.1 | 3.5 | | 16 | 89 | 15 | 5 | | |
| 71741 KAMLOOPS AUT, BC | 5042N | 12026W | 345 | | 977.0 | 1020.5 | -7.8 | | 3.3 | | | | | | | |
| 71742 GANDER AIRPORT CS, NFLD | 4856N | 05434W | 151 | | 993.0 | 1011.8 | -2.8 | | 4.8 | | 12 | 96 | | | | |
| 71743 RIVIERE AUX FEUILLES, QUE | 5754N | 07258W | 171 | | 987.5 | 1010.5 | -23.6 | | 1.0 | | 0 | 0 | | | | |
| 71813 NATASHQUAN A, QUE | 5011N | 06149W | 11 | | 1010.3 | 1011.7 | -10.1 | -.7 | 2.7 | | 17 | 129 | 16 | 4 | | |
| 71816 GOOSE A, NFLD | 5319N | 06025W | 49 | | 1004.6 | 1011.0 | -16.0 | -2.6 | 1.6 | | 12 | 96 | 19 | 4 | 92 | 115 |
| 71818 CARTWRIGHT, NFLD | 5342N | 05702W | 15 | | 1006.3 | 1008.2 | -11.3 | -1.9 | 2.4 | | 11 | 97 | 10 | 3 | 93 | 145 |
| 71823 LA GRANDE IV A, QUE | 5345N | 07340W | 306 | | 972.4 | 1012.1 | -19.5 | | 1.3 | | 18 | 54 | | 5 | | |
| 71827 LA GRANDE RIVIERE A, | 5338N | 07742W | 195 | | 986.4 | 1011.8 | -18.9 | | 1.4 | | 11 | 33 | | 2 | | |
| 71828 SCHEFFERVILLE A, QUE | 5448N | 06648W | 518 | | 944.0 | 1010.6 | -21.2 | -1.7 | 1.1 | | 15 | 61 | 8 | 5 | | |
| 71842 SIOUX LOOKOUT A, ONT | 5007N | 09154W | 390 | | 968.1 | 1017.6 | -19.7 | -4.3 | 1.3 | | 9 | 25 | -10 | 2 | | |
| 71844 BIG TROUT LAKE READAC, ONT | 5348N | 08953W | 222 | | 986.7 | 1016.2 | -24.6 | | .8 | | 4 | 16 | | 1 | | |
| 71862 ESTEVAN A, SASK | 4913N | 10250W | 584 | | 945.8 | 1019.0 | -17.4 | -5.5 | 1.6 | | 11 | 31 | 13 | 5 | | |
| 71869 PRINCE ALBERT A, SK | 5313N | 10540W | 428 | | 965.0 | 1020.3 | -21.4 | -4.5 | 1.0 | | 7 | 18 | -1 | 3 | | |
| 71894 ESTEVAN POINT CS, BC | 4923N | 12630W | 7 | | 1013.6 | 1014.4 | 1.9 | | | | 12 | 236 | | 1 | | |
| 71905 KUUJJUARAPIK A, QC | 5517N | 07745W | 24 | | 1008.5 | 1009.9 | -17.6 | -1.0 | 1.4 | | 16 | 69 | 34 | 5 | | |
| 71906 KUUJJUAQ A, QUE | 5806N | 06825W | 44 | | 1003.9 | 1009.2 | -21.8 | -2.7 | 1.0 | | 6 | 27 | -13 | 3 | | |
| 71907 INUKJUAQ A, QUE | 5828N | 07805W | 28 | | 1002.6 | 1006.0 | -18.7 | -.6 | 1.2 | | 9 | 34 | 9 | 4 | | |
| 71915 CORAL HARBOUR A, | 6411N | 08321W | 64 | | 996.9 | 1005.7 | -27.4 | -1.9 | .6 | | 3 | 10 | 0 | 2 | | |
| 71917 EUREKA, NU | 7959N | 08556W | 11 | | 1009.6 | 1011.1 | -32.8 | 1.7 | .3 | | 1 | 2 | 0 | 2 | | |
| 71923 ENNADAI LAKE (AUT), NU | 6107N | 10050W | 353 | | 969.2 | 1016.5 | -29.5 | | .5 | | | 2 | | | | |
| 71945 FORT NELSON A, BC | 5850N | 12230W | 389 | | 974.1 | 1024.1 | -23.1 | -2.8 | .9 | | 9 | 38 | 20 | 6 | | |
| 71950 SMITHERS A, BC | 5449N | 12710W | 522 | | 954.3 | 1019.5 | -13.0 | -5.0 | 2.5 | | 10 | 53 | 5 | 4 | | |
| 71964 WHITEHORSE A, YT | 6042N | 13500W | 706 | | 932.8 | 1022.7 | -20.3 | -4.4 | 1.2 | | 10 | 29 | 11 | 5 | | |
| 71966 DAWSON, YT | 6403N | 13900W | 370 | | 978.6 | 1028.1 | -29.6 | | .6 | | 0 | 0 | | 0 | | |
| 71984 PAULATUK, NWT | 6921N | 12400W | 6 | | 1021.9 | 1022.7 | -22.7 | | .9 | | | 4 | | | | |
| 71990 MACMILLAN PASS, NWT | 6314N | 13000W | 1379 | | 853.1 | 1022.3 | -24.8 | | .8 | | 25 | 54 | | | | |
| | | | | | | | | | | | | | | | | |
| ST. PIERRE AND MIQUELON | | | | | | | | | | | | | | | | |
| 71805 SAINT-PIERRE | 4646N | 05611W | 23 | | 1011.2 | 1014.1 | 1.2 | | 6.2 | | 19 | 154 | | | | |
| | | | | | | | | | | | | | | | | |
| MEXICO | | | | | | | | | | | | | | | | |
| 76225 CHIHUAHUA, CHIH. | 2838N | 10600W | 1433 | | 863.0 | 1014.4 | 12.7 | | 5.7 | | 0 | 0 | | 0 | 272 | 115 |
| 76243 PIEDRAS NEGRAS, COAH. | 2842N | 10030W | 250 | | 990.2 | 1019.7 | 13.5 | | 10.3 | | 1 | 3 | | 0 | 162 | |
| 76256 EMPALME, SON. | 2757N | 11040W | 12 | | 1014.5 | 1015.7 | 17.4 | | 13.5 | | 1 | 1 | | 2 | 227 | |
| 76311 CHOIX, SIN. | 2644N | 10810W | 238 | | 987.6 | 1015.5 | 19.9 | | 14.2 | | 0 | 0 | | 0 | 199 | 140 |
| 76342 MONCLOVA, COAH. | 2653N | 10120W | 615 | | 951.7 | 1021.9 | 15.1 | | 7.8 | | 1 | 4 | | 3 | 222 | |

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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. |
| 76373 TEPEHUANES, DGO. | 2521N | 10540W | 1967 | | 821.8 | 1019.9 | 12.2 | | 5.7 | | 1 | 1 | | 0 | 235 | |
| 76382 TORREON, COAH. | 2532N | 10320W | 1124 | | 891.5 | 1015.6 | 17.2 | | 10.7 | | 0 | 0 | | 0 | 155 | |
| 76390 SALTILLO, COAH. | 2522N | 10100W | 1790 | | 824.3 | 1016.4 | 12.4 | | 6.5 | | 1 | 2 | | 1 | 269 | |
| 76393 MONTERREY, N.L. | 2544N | 10010W | 515 | | 960.3 | 1018.3 | 16.6 | | 11.1 | | 1 | 6 | | 3 | 163 | |
| 76402 CIUDAD CONSTITUCION, BCS | 2457N | 11140W | 48 | | 1012.8 | 1018.4 | 19.4 | | 16.4 | | 1 | 1 | | 1 | 224 | |
| 76405 LA PAZ, BCS | 2410N | 11010W | 18 | | 1014.1 | 1016.2 | 21.3 | | 16.5 | | 0 | 0 | | 0 | 240 | |
| 76423 DURANGO, DGO. | 2403N | 10430W | 1872 | | 817.0 | 1017.5 | 18.2 | | 7.1 | | 0 | 0 | | 1 | 248 | |
| 76458 COLONIA JUAN CARRASCO MAZATL | 2312N | 10620W | 4 | | 1014.7 | 1015.1 | 22.3 | 1.3 | 19.9 | 2 | 0 | 0 | -25 | 0 | 255 | 124 |
| 76548 TAMPICO, TAMPS | 2212N | 09751W | 25 | | 1015.7 | 1018.7 | 20.8 | .7 | 21.3 | 2.8 | 1 | 13 | -26 | 2 | 151 | 115 |
| 76556 TEPIC, NAY. | 2131N | 10450W | 915 | | 912.9 | 1014.7 | 18.8 | | 16.6 | | 0 | 0 | | 0 | 255 | |
| 76577 GUANAJUATO, GTO. | 2100N | 10110W | 1999 | | 805.8 | 1015.3 | 14.4 | -3 | 8.3 | -1.9 | 0 | 0 | -14 | 2 | 230 | 106 |
| 76581 RIO VERDE, S.L.P. | 2156N | 09959W | 983 | | 906.2 | 1016.8 | 16.9 | | 14.9 | | 0 | 0 | | 0 | 223 | |
| 76585 MATLAPA, S.L.P. | 2119N | 09849W | 132 | | 1003.2 | 1019.0 | 18.6 | | 19.1 | | 5 | 17 | | 1 | 158 | |
| 76634 TULANCINGO, HGO. | 2005N | 09822W | 2181 | | 787.0 | 1019.7 | 12.6 | | 9.2 | | 1 | 1 | | 2 | 280 | |
| 76640 TUXPAN.VER. | 2057N | 09724W | 28 | | 1017.7 | 1018.9 | 21.3 | | 23.2 | | 3 | 15 | | 1 | 77 | |
| 76647 VALLADOLID, YUC. | 2041N | 08812W | 27 | | 1016.6 | 1019.6 | 24.9 | | 22.8 | | 2 | 9 | | 1 | 247 | |
| 76654 MANZANILLO, COL. | 1903N | 10410W | 3 | | 1014.7 | 1015.1 | 25.2 | | 22.6 | | 0 | 0 | | 0 | 248 | |
| 76656 CIUDAD GUZMAN, JAL. | 1943N | 10320W | 1515 | | 852.7 | 1019.7 | 14.2 | | 10.3 | | 0 | 0 | | 0 | 248 | |
| 76665 MORELIA, MICH. | 1942N | 10110W | 1913 | | 813.3 | 1015.4 | 14.6 | -1 | 10.3 | -7 | 0 | 0 | -12 | 0 | 258 | 154 |
| 76675 TOLUCA, MEX. | 1917N | 09941W | 2720 | | 740.2 | 1020.6 | 9.0 | | 5.6 | | 0 | 0 | | 0 | 283 | |
| 76683 TLAXCALA, TLAX. | 1919N | 09815W | 2248 | | 783.3 | 1017.9 | 14.1 | | 10.4 | | 0 | 0 | | 1 | 218 | |
| 76687 JALAPA, VER. | 1933N | 09655W | 1389 | | 870.2 | 1019.4 | 15.4 | | 14.3 | | 6 | 40 | | 3 | 154 | |
| 76692 HACIENDA YLANG YLANG VERACRU | 1909N | 09607W | 16 | | 1016.3 | 1018.2 | 22.9 | .4 | 18.5 | -3.6 | 2 | 5 | -22 | 1 | 222 | 153 |
| 76695 CAMPECHE, CAMP. | 1951N | 09033W | 5 | | 1016.4 | 1017.1 | 24.3 | | 22.4 | | 0 | 0 | | 0 | 237 | |
| 76698 FELIPE CARRILLO PUERTO, Q.RO | 1942N | 08754W | 12 | | 1018.2 | 1019.2 | 23.7 | | 21.9 | | 5 | 67 | | 3 | 124 | 125 |
| 76750 CHETUMAL, Q.R. | 1829N | 08818W | 7 | | 1017.1 | 1018.1 | 25.3 | | 23.4 | | 6 | 18 | | 1 | 172 | |
| 76762 CHILPANCINGO, RO. | 1733N | 09930W | 1265 | | 877.1 | 1014.6 | 19.2 | | 15.6 | | 0 | 0 | | 2 | 279 | |
| 76805 ACAPULCO, GRO. | 1650N | 09956W | 3 | | 1013.9 | 1014.3 | 25.1 | -1.7 | 24.8 | -3.6 | 0 | 0 | -14 | 0 | 291 | 114 |
| 76840 ARRIAGA, CHIS. | 1614N | 09354W | 48 | | 1008.2 | 1013.8 | 26.1 | | 21.7 | | 1 | 10 | | 1 | 300 | |
| 76845 SN. CRISTOBAL LAS CASAS, CHI | 1645N | 09238W | 2116 | | 794.8 | 1017.1 | 12.5 | | 1.1 | | 1 | 3 | | 0 | 215 | |
| 76848 COMITAN, CHIS. | 1615N | 09208W | 1646 | | 839.8 | 1012.4 | 15.2 | | 12.7 | | 1 | 2 | | 1 | 234 | |
| 76855 PUERTO ANGEL, OAX. | 1541N | 09629W | 46 | | 1007.4 | 1012.3 | 26.0 | | 24.4 | | 0 | 0 | | 0 | 300 | |
| BERMUDA | | | | | | | | | | | | | | | | |
| 78016 BERMUDA INTERNATIONAL AIRPOR | 3222N | 06440W | 130 | | 1022.8 | 1023.2 | 19.6 | | 16.0 | | 9 | 89 | | | 152 | |
| BAHAMAS | | | | | | | | | | | | | | | | |
| 78073 NASSAU AIRPORT NEW PROVIDENC | 2503N | 07728W | 7 | | 1021.5 | | 22.9 | 1.0 | 22.3 | 1.7 | 4 | 94 | 43 | 5 | 203 | 95 |
| JAMAICA | | | | | | | | | | | | | | | | |
| 78388 MONTEGO BAY/SANGSTER | 1830N | 07755W | 8 | | 1015.9 | 1016.0 | 25.4 | | 26.8 | | 10 | 71 | | | 257 | |
| 78397 KINGSTON/NORMAN MANLEY | 1756N | 07647W | 14 | | 1014.0 | 1015.6 | 25.9 | | 21.7 | | 0 | T | | 0 | 275 | 110 |
| PUERTO RICO AND US POSS | | | | | | | | | | | | | | | | |

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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. |
| 78526 SAN JUAN/INT., | 1825N | 06559W | 4 | | | 1016.2 | 25.5 | -1 | 23.5 | | 15 | 116 | -3 | 3 | | |
| BELIZE 78583 BELIZE/PHILLIP GOLDSTON INTL | 1732N | 08818W | 5 | | | | 24.4 | .2 | | | 14 | 79 | -96 | 2 | 192 | 108 |
| EL SALVADOR 78650 ACAJUTLA | 1334N | 08950W | 15 | | 1012.6 | | 26.8 | .6 | 26.0 | | | | | | | |
| HONDURAS 78720 TEGUCIGALPA | 1403N | 08713W | 1007 | | 905.0 | 1014.5 | 20.9 | 1.2 | 17.1 | .3 | 1 | 3 | -6 | 2 | 204 | 96 |
| NICARAGUA 78741 MANAGUA A.C.SANDINO | 1209N | 08610W | 56 | | 1006.2 | | 26.1 | | 23.2 | | 0 | 0 | | 1 | 253 | |
| COSTA RICA 78762 JUAN SANTAMARIA INT. AIRPORT 78767 PUERTO LIMON | 0959N 1000N | 08413W 08303W | 934 5 | | 911.7 1013.4 | 1013.2 1013.6 | 22.1 25.4 | .3 1.1 | 18.4 26.7 | | 3 23 | 55 522 | 22 121 | 4 4 | 147 | 97 |
| GUADELOUPE & OTHER FRENCH IS 78890 LA DESIRADE | 1620N | 06100W | 33 | | 1011.4 | 1014.5 | 26.2 | | 24.5 | | 14 | 47 | | | | |
| GUADELOUPE 78894 GUSTAVIA, 78897 LE RAISET, GUADELOUPE | 1754N 1616N | 06251W 06131W | 45 11 | | 1010.4 1013.9 | 1015.7 1014.8 | 25.3 24.3 | -9 | 24.1 23.3 | -1.0 | 10 18 | 61 97 | -37 -40 | 2 3 | 213 | |
| MARTINIQUE 78922 CARAVELLE 78925 LE LAMENTIN | 1446N 1436N | 06053W 06100W | 33 8 | | 1009.6 1013.0 | 1014.1 1013.9 | 26.1 25.4 | .0 | 25.4 24.9 | -1.4 | 1 20 | 4 141 | -17 | 3 | 207 | 86 |
| BARBADOS 78954 GRANTLEY ADAMS | 1304N | 05929W | 56 | | 1006.3 | 1012.8 | 26.2 | | 27.9 | | 11 | 137 | | 3 | 258 | |
| TRINIDAD AND TOBAGO 78970 PIARCO INT. AIRPORT, | 1037N | 06121W | 15 | | 1009.4 | 1011.9 | 26.2 | 1.0 | 26.9 | .3 | 15 | 93 | -62 | 1 | 193 | 90 |
| CURACAO AND BONAIRE 78988 HATO AIRPORT, CURACAO | 1212N | 06858W | 9 | | 1012.2 | 1013.1 | 26.5 | -3 | 26.9 | -7 | 14 | 79 | -20 | 3 | 244 | 104 |

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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. |
| COLOMBIA | | | | | | | | | | | | | | | | |
| 80001 SAN ANDRES (ISLA)/SESQUICENT | 1235N | 08143W | 6 | | | | 27.0 | .0 | 28.6 | -.5 | 17 | 191 | 18 | 5 | 207 | 100 |
| 80002 PROVIDENCIA (ISLA)/EL EMBRUJ | 1322N | 08121W | 6 | | | | 27.0 | | 29.9 | | 16 | 104 | | 2 | 217 | 110 |
| S AMERICA | | | | | | | | | | | | | | | | |
| COLOMBIA | | | | | | | | | | | | | | | | |
| 80022 CARTAGENA/RAFAEL NUNEZ | 1027N | 07531W | 12 | | 1010.1 | 1010.3 | 27.4 | .4 | 28.8 | .0 | 1 | 3 | -34 | 2 | 249 | 100 |
| 80028 BARRANQUILLA/ERNESTO CORTISS | 1053N | 07447W | 30 | | 1007.5 | 1011.1 | 27.6 | .6 | 28.1 | -.2 | 0 | 0 | -24 | 2 | 275 | 108 |
| 80084 APARTADO/LOS CEDROS | 0749N | 07642W | 20 | | | | 27.1 | | 29.6 | | 10 | 205 | | | 159 | 110 |
| 80091 BARRANCABERMEJA/YARIGUIES | 0701N | 07348W | 134 | | | | 27.7 | -.2 | 27.6 | -.6 | 6 | 129 | 31 | 4 | 215 | 111 |
| 80094 BUCARAMANGA/PALONEGRO | 0706N | 07312W | 1189 | | 881.1 | | 20.7 | | 21.0 | | 3 | 18 | -40 | 2 | 179 | 95 |
| 80097 CUCUTA/CAMILO DAZA | 0756N | 07231W | 317 | | 976.1 | 1011.0 | 24.4 | -1.8 | 25.7 | .5 | 12 | 147 | 78 | 5 | 157 | 85 |
| 80099 ARAUCA/SANTIAGO PEREZ | 0704N | 07044W | 128 | | 991.3 | 1004.8 | 26.3 | -.6 | 27.1 | .2 | 1 | 5 | -22 | 1 | 283 | 122 |
| 80112 RIONEGRO/J.M.CORDOVA | 0608N | 07526W | 2142 | | 790.8 | | 15.9 | | 15.4 | | 9 | 72 | | | 137 | 105 |
| 80144 QUIBDO/EL CARANO | 0543N | 07637W | 53 | | | | 25.9 | .0 | 29.0 | -.5 | 28 | 981 | 333 | 6 | 83 | 91 |
| 80210 PEREIRA/MATECANA | 0449N | 07544W | 1342 | | 866.0 | | 21.2 | -.2 | | | 25 | 407 | 245 | 6 | | |
| 80214 IBAGUE/PERALES | 0426N | 07509W | 928 | | | | 23.0 | -.1 | 22.5 | .2 | 12 | 76 | -38 | 3 | 168 | 103 |
| 80222 BOGOTA/ELDORADO | 0442N | 07409W | 2547 | | 751.9 | | 12.7 | -.2 | 12.6 | .6 | 10 | 60 | 6 | 4 | 170 | 102 |
| 80259 CALI/ALFONSO BONILLA ARAGON | 0333N | 07623W | 969 | | 905.2 | | 22.9 | | 21.1 | | 12 | 87 | 22 | 4 | 159 | 95 |
| 80315 NEIVA/BENITO SALAS | 0258N | 07518W | 443 | | 958.5 | 1007.5 | 26.7 | -.3 | 25.7 | .8 | 10 | 63 | -79 | 1 | 174 | 92 |
| 80370 IPIALES/SAN LUIS | 0049N | 07738W | 2961 | | | | 11.8 | .7 | 11.7 | .7 | 16 | 95 | 1 | 3 | 122 | 94 |
| VENEZUELA | | | | | | | | | | | | | | | | |
| 80403 CORO | 1125N | 06941W | 17 | | 1011.7 | 1013.5 | 25.6 | -1.1 | 28.7 | | 13 | 151 | 97 | 5 | 222 | 83 |
| 80410 BARQUISIMETO | 1004N | 06919W | 614 | | 943.1 | 1011.0 | 23.8 | .7 | 22.6 | | 6 | 15 | -10 | 3 | 110 | 44 |
| 80413 MARACAY - B.A. SUCRE | 1015N | 06739W | 437 | | 963.4 | 1011.9 | 24.2 | .3 | 25.4 | | 2 | 8 | -7 | 1 | 262 | 97 |
| 80415 CARACAS/MAIQUETIA AEROP. INT | 1036N | 06659W | 48 | | 1007.3 | 1012.7 | 26.2 | .8 | 23.9 | | 14 | 81 | 27 | 4 | 190 | 90 |
| 80416 CARACAS/LA CARLOTA | 1030N | 06653W | 835 | | 919.1 | | 22.3 | 1.6 | 20.2 | | 9 | 39 | -3 | | 184 | 86 |
| 80419 BARCELONA | 1007N | 06441W | 7 | | 1009.8 | 1010.7 | 27.8 | 1.8 | 21.8 | | 1 | 2 | -22 | 1 | 271 | 101 |
| 80420 CUMANA | 1027N | 06411W | 4 | | 1010.8 | 1011.4 | 25.8 | | 26.7 | | 11 | 49 | | | 255 | 100 |
| 80421 PORLAMAR (AEROPUERTO INT. DE | 1055N | 06358W | 24 | | 1010.0 | 1012.2 | 25.8 | | 28.1 | | 18 | 364 | | | 231 | 90 |
| 80423 GUIRIA | 1035N | 06219W | 14 | | | | 26.5 | .5 | 24.8 | | | | | | 281 | 132 |
| 80425 MENE GRANDE | 0949N | 07056W | 28 | | 1009.1 | 1012.2 | 26.9 | .3 | 27.7 | | 8 | 88 | 2 | 3 | 228 | 101 |
| 80426 VALERA | 0921N | 07037W | 582 | | 948.5 | 1013.4 | 23.1 | | 22.5 | | 8 | 89 | | | 175 | 95 |
| 80427 ACARIGUA | 0933N | 06914W | 226 | | 986.5 | 1011.8 | 26.1 | .5 | 24.6 | | 1 | 2 | -35 | | 284 | 121 |
| 80428 GUANARE | 0901N | 06944W | 163 | | 990.7 | 1009.0 | 26.8 | 1.5 | 23.4 | | | | | | 283 | 122 |
| 80431 SAN JUAN DE LOS MORROS | 0955N | 06720W | 429 | | 962.0 | 1009.6 | 24.5 | | 21.3 | | 2 | 7 | | | 253 | 95 |
| 80432 CARRIZAL | 0925N | 06655W | 161 | | 993.9 | 1011.9 | 27.5 | | 27.9 | | 2 | 2 | | | 238 | |
| 80434 VALLE DE LA PASCUA | 0913N | 06601W | 125 | | 991.5 | 1005.9 | 26.0 | | 22.3 | | 01 | 1 | | | 251 | |
| 80435 MATURIN | 0945N | 06311W | 66 | | 1004.1 | 1011.6 | 26.0 | .6 | 27.7 | | 8 | 83 | -28 | 2 | 274 | 120 |
| 80437 EL VIGIA | 0838N | 07139W | 103 | | 1002.0 | 1010.5 | 25.7 | | 26.5 | | 18 | 27 | | | 153 | |

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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. |
| 80438 MERIDA | 0836N | 07111W | 1498 | | 852.6 | 1523 Y | 18.4 | .3 | 16.5 | | 8 | 50 | -29 | 2 | 256 | 109 |
| 80440 BARINAS | 0837N | 07013W | 204 | | 989.6 | 1010.6 | 27.5 | | 23.2 | | | | | | 276 | |
| 80442 CALABOZO | 0856N | 06725W | 101 | | 999.7 | 1011.2 | 27.6 | | 25.8 | | 3 | 10 | | | 280 | |
| 80444 CIUDAD BOLIVAR | 0809N | 06333W | 48 | | 1000.5 | 1008.5 | 26.8 | -.1 | 30.2 | | 6 | 29 | -12 | 4 | 218 | 89 |
| 80447 SAN ANTONIO DEL TACHIRA | 0751N | 07227W | 378 | | 968.1 | 1010.4 | 23.6 | -1.0 | 24.0 | | 11 | 95 | 24 | 4 | 141 | 73 |
| 80448 GUASDUALITO | 0714N | 07048W | 131 | | | | 24.9 | -.5 | 25.0 | | 1 | 2 | -40 | | 184 | 72 |
| 80450 SAN FERNANDO DE APURE | 0754N | 06725W | 48 | | 1005.3 | 1010.8 | 26.9 | .4 | 29.8 | | | | | | 251 | 87 |
| 80453 TUMEREMO | 0718N | 06127W | 181 | | | | 24.4 | .0 | 27.2 | | 2 | 25 | -76 | 1 | 171 | 99 |
| 80457 PUERTO AYACUCHO | 0536N | 06730W | 74 | | 1002.1 | 1010.7 | 25.7 | -1.3 | 19.5 | | 2 | 45 | 3 | 4 | 223 | 86 |
| 80462 SANTA ELENA DE UAIREN | 0436N | 06107W | 907 | | | | 21.6 | .6 | 22.8 | | 24 | 330 | 245 | 5 | 136 | 64 |
| 80472 VALENCIA | 1010N | 06756W | 431 | | 963.3 | 1011.1 | 25.3 | | 22.8 | | | | | | 281 | |
| 80475 STO. DOMINGO | 0735N | 07204W | 327 | | 977.1 | 1013.0 | 25.1 | | 24.4 | | 4 | 140 | | | 215 | 130 |
| | | | | | | | | | | | | | | | | |
| SURINAME | | | | | | | | | | | | | | | | |
| 81225 ZANDERIJ | 0527N | 05512W | 15 | | 1008.4 | 1010.8 | 26.0 | | | | 22 | 178 | | | | |
| | | | | | | | | | | | | | | | | |
| FRENCH GUIANA | | | | | | | | | | | | | | | | |
| 81401 SAINT-LAURENT-DU-MARONI | 0530N | 05402W | 9 | | 1009.8 | 1010.3 | 26.3 | | 28.9 | | 22 | 239 | -1 | | | |
| 81405 ROCHAMBEAU | 0450N | 05222W | 9 | | 1009.4 | 1010.4 | 26.2 | | 28.0 | | 19 | 345 | -14 | | 162 | 98 |
| 81408 SAINT GEORGES DE L'OYAPOCK | 0353N | 05148W | 7 | | 1009.3 | 1010.1 | 25.8 | | 28.7 | | 23 | 271 | -71 | | | |
| 81415 MARIPASOULA | 0338N | 05402W | 104 | | 998.7 | 1010.7 | 26.0 | | 28.0 | | 18 | 313 | 112 | | | |
| | | | | | | | | | | | | | | | | |
| BRAZIL | | | | | | | | | | | | | | | | |
| 82024 BOA VISTA | 0249N | 06039W | 90 | | | | 27.8 | | 29.5 | | 14 | 290 | | 6 | 159 | |
| 82098 MACAPA | 0002N | 05103W | 15 | | 1008.0 | 1009.7 | 27.7 | .7 | 31.1 | | 14 | 347 | 205 | 5 | 211 | 103 |
| 82106 SAO GABRIEL DA CACHOEIRA | 0008S | 06705W | 90 | | | | 25.8 | | 30.9 | | 20 | 363 | | 5 | 133 | |
| 82113 BARCELOS | 0059S | 06255W | 40 | | | | 26.5 | .3 | 30.6 | | 15 | 388 | 260 | 6 | 110 | 73 |
| 82145 TRACUATEUA (BRAGANCA) | 0105S | 04656W | 36 | | 1005.4 | 1009.6 | 27.5 | 1.0 | 28.8 | | 4 | 28 | -62 | 3 | 219 | 113 |
| 82181 MONTE ALEGRE | 0200S | 05405W | 146 | | 997.9 | 1011.9 | 27.0 | .1 | 28.6 | | 11 | 212 | 121 | 5 | 190 | 103 |
| 82184 PORTO DE MOZ | 0144S | 05214W | 16 | | 1008.3 | 1011.1 | 27.6 | .9 | 3.0 | | 12 | 204 | 96 | 5 | 164 | 112 |
| 82191 BELEM | 0127S | 04828W | 10 | | 1008.0 | 1008.6 | 27.5 | 1.4 | 31.4 | | 15 | 171 | -45 | 2 | 195 | 109 |
| 82212 FONTE BOA | 0232S | 06610W | 56 | | 1002.8 | 1010.6 | 27.1 | | 32.2 | | 17 | 316 | | 5 | 141 | |
| 82246 BELTERRA | 0238S | 05457W | 176 | | 991.3 | 1011.5 | 25.9 | .6 | 30.5 | | 16 | 172 | -8 | 5 | 145 | 81 |
| 82280 SAO LUIZ | 0232S | 04418W | 51 | | 1003.8 | 1009.6 | 27.8 | 1.0 | 29.9 | | 3 | 18 | -73 | 2 | 221 | 107 |
| 82331 MANAUS | 0308S | 06001W | 72 | | 1002.0 | 1010.2 | 26.6 | -.1 | 30.7 | | 17 | 458 | 242 | 6 | 137 | 105 |
| 82397 FORTALEZA | 0346S | 03836W | 26 | | 1007.6 | 1010.7 | 27.9 | .6 | 27.8 | | 2 | 8 | -41 | 1 | 294 | 114 |
| 82410 BENJAMIN CONSTANT | 0423S | 07002W | 65 | | | | 26.3 | | 30.3 | | 16 | 273 | | 4 | 107 | |
| 82425 COARI | 0405S | 06308W | 46 | | | | 27.2 | | 30.0 | | 17 | 351 | | 2 | | |
| 82445 ITAITUBA | 0416S | 05559W | 45 | | 1006.9 | 1012.2 | 27.0 | .2 | 30.5 | | 13 | 179 | -20 | 3 | 128 | 106 |
| 82460 BACABAL | 0415S | 04447W | 25 | | 1006.5 | 1009.4 | 28.6 | | 29.0 | | 6 | 142 | | 3 | 202 | 115 |
| 82533 MANICORE | 0549S | 06118W | 50 | | 1005.0 | 1011.2 | 26.2 | | 29.7 | | 21 | 344 | | 5 | 110 | |
| 82562 MARABA | 0521S | 04909W | 95 | | 998.5 | 1009.2 | 26.6 | .7 | 29.1 | | 20 | 354 | 104 | 5 | 124 | 104 |
| 82571 BARRA DO CORDA | 0530S | 04516W | 153 | | 991.8 | 1009.1 | 27.4 | 1.5 | 27.5 | | 11 | 117 | -18 | 3 | 145 | 98 |
| 82578 TERESINA | 0505S | 04249W | 74 | | 1000.8 | 1010.9 | 27.9 | -.1 | 28.3 | | 11 | 192 | 66 | 5 | 220 | 109 |

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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. |
| 82586 QUIXERAMOBIM | 0512S | 03918W | 212 | | 984.8 | 1008.4 | 28.8 | 1.9 | 22.5 | | 2 | 8 | -16 | 3 | 281 | 119 |
| 82598 NATAL | 0546S | 03512W | 45 | | 1006.3 | 1011.6 | 27.7 | | 27.6 | | | 4 | | 1 | 306 | 115 |
| 82678 FLORIANO | 0646S | 04301W | 127 | | 995.9 | 1011.6 | 27.5 | 1.2 | 28.0 | | 13 | 238 | 88 | 3 | 170 | 102 |
| 82704 CRUZEIRO DO SUL | 0738S | 07240W | 170 | | 985.8 | 1005.2 | 25.7 | | 28.6 | | 15 | 221 | | 3 | 95 | |
| 82723 LABREA | 0715S | 06450W | 60 | | 1002.0 | 1012.0 | 25.8 | | 31.0 | | 18 | 379 | | 6 | 84 | |
| 82765 CAROLINA | 0720S | 04728W | 193 | | 988.9 | 1012.8 | 26.5 | 1.1 | 29.0 | | 13 | 123 | -111 | 1 | 150 | 116 |
| 82784 BARBALHA | 0719S | 03918W | 409 | | 964.1 | | 27.4 | 1.1 | 26.3 | | 3 | 133 | 41 | 5 | 242 | 103 |
| 82791 PATOS | 0701S | 03716W | 249 | | 982.7 | 1010.2 | 28.9 | | 21.8 | | 2 | 93 | | 4 | 307 | 115 |
| 82861 CONCEICAO DO ARAGUAIA | 0815S | 04917W | 157 | | 990.3 | 1007.2 | 26.4 | 1.1 | 29.0 | | 19 | 341 | 71 | 4 | 139 | 109 |
| 82900 RECIFE | 0803S | 03455W | 7 | | 1011.1 | 1012.0 | 27.1 | .8 | 25.9 | | 5 | 18 | -47 | 2 | 242 | 95 |
| 82915 RIO BRANCO | 0958S | 06748W | 160 | | 992.1 | 1010.3 | 25.6 | .0 | 29.1 | | 20 | 287 | 24 | 4 | 107 | 93 |
| 82983 PETROLINA | 0923S | 04029W | 370 | | 968.3 | 1009.1 | 27.9 | .8 | 20.8 | | 5 | 64 | -19 | 4 | 264 | 111 |
| 82986 PAULO AFONSO | 0924S | 03813W | 253 | | 981.3 | 1009.4 | 28.4 | 1.1 | 23.7 | | 2 | 154 | 108 | 5 | 287 | 115 |
| 83064 PORTO NACIONAL | 1043S | 04835W | 239 | | 982.4 | 1009.4 | | | 28.4 | | 17 | 244 | 14 | 2 | 118 | 77 |
| 83096 ARACAJU | 1055S | 03703W | 5 | | 1011.3 | 1012.0 | 27.3 | .9 | 27.8 | | 5 | 16 | -41 | 2 | 290 | 116 |
| 83186 JACOBINA | 1111S | 04028W | 485 | | 957.3 | 1009.8 | 25.4 | .5 | 23.1 | | 7 | 49 | -67 | 2 | 190 | 90 |
| 83229 SALVADOR | 1301S | 03831W | 51 | | 1006.5 | 1012.4 | 25.8 | -2 | 28.1 | | 14 | 104 | -28 | 3 | 174 | 78 |
| 83235 TAGUATINGA | 1224S | 04626W | 604 | | 942.4 | 1008.8 | 24.9 | .9 | 24.6 | | 21 | 356 | 69 | 4 | | |
| 83236 BARREIRAS | 1209S | 04500W | 439 | | 960.1 | 1008.7 | 25.4 | .7 | 25.0 | | 17 | 202 | -2 | 3 | 183 | 86 |
| 83242 LENCOIS | 1234S | 04123W | 439 | | 961.8 | 1010.7 | 24.9 | .5 | 22.9 | | 13 | 161 | -11 | 2 | 160 | 102 |
| 83264 GLEBA CELESTE | 1212S | 05630W | 415 | | 966.2 | 1012.6 | 25.4 | .6 | 27.4 | | 22 | 294 | -65 | 2 | 117 | 109 |
| 83288 BOM JESUS DA LAPA | 1316S | 04325W | 440 | | | | 25.4 | 1.2 | | | 15 | 148 | -43 | 2 | 215 | 112 |
| 83332 POSSE | 1406S | 04622W | 826 | | 919.2 | 1008.2 | 23.5 | .1 | 23.2 | | 19 | 269 | -11 | 2 | 137 | 98 |
| 83344 VITORIA DA CONQUISTA | 1457S | 04053W | 840 | | 915.5 | 1011.3 | 21.4 | -2 | 22.7 | | 12 | 98 | -29 | 1 | 122 | 71 |
| 83358 POXOREO (POXOREU) | 1550S | 05423W | 450 | | 966.9 | 1006.0 | 25.8 | | 27.2 | | 15 | 280 | | 3 | 153 | |
| 83377 BRASILIA | 1547S | 04756W | 1159 | | 884.5 | 1008.7 | 21.2 | -.3 | 20.2 | | 22 | 323 | 75 | 5 | 107 | 78 |
| 83423 GOIANIA | 1640S | 04915W | 741 | | 927.8 | 1008.6 | 24.5 | 1.0 | 22.8 | | 20 | 246 | -12 | 3 | | |
| 83437 MONTES CLAROS | 1643S | 04352W | 646 | | 938.6 | 1009.7 | 23.5 | .2 | 22.9 | | 20 | 398 | 161 | 5 | 129 | 79 |
| 83498 CARAVELAS | 1744S | 03915W | 3 | | 1011.0 | 1011.5 | 25.3 | -.3 | 22.0 | | 13 | 194 | 56 | | 53 | 28 |
| 83550 SAO MATEUS | 1842S | 03951W | 25 | | 1009.9 | 1012.2 | 25.3 | .2 | 27.4 | | 15 | 163 | 10 | 3 | 136 | 88 |
| 83565 PARANAIBA | 1942S | 05111W | 331 | | 961.8 | 1007.7 | 26.5 | 1.5 | 23.2 | | 11 | 198 | -70 | 2 | 260 | 138 |
| 83579 ARAXA | 1934S | 04656W | 1004 | | 899.9 | 1010.6 | 21.6 | .5 | 21.3 | | 25 | 417 | 125 | 3 | 133 | 93 |
| 83587 BELO HORIZONTE | 1956S | 04356W | 850 | | 909.8 | 1009.1 | 22.2 | .0 | 20.1 | | 20 | 601 | 282 | 5 | 111 | 67 |
| 83592 CARATINGA | 1948S | 04209W | 609 | | 943.6 | 1011.2 | 22.8 | .9 | 23.0 | | 17 | 261 | 51 | 4 | | |
| 83618 TRES LAGOAS | 2047S | 05142W | 313 | | 972.4 | | 27.7 | 1.8 | 23.7 | | 7 | 43 | -157 | 0 | 235 | 126 |
| 83630 FRANCA | 2033S | 04726W | 1026 | | 900.8 | 1010.6 | 21.8 | 3.1 | 20.7 | | 21 | 422 | 147 | 6 | 125 | 132 |
| 83648 VITORIA | 2019S | 04020W | 36 | | | | 25.3 | -.1 | | | 14 | 136 | -59 | 2 | 128 | 70 |
| 83676 CATANDUVA | 2108S | 04858W | 536 | | 947.0 | 1009.1 | 24.6 | 1.8 | 22.3 | | 16 | 266 | 45 | 4 | 185 | 109 |
| 83698 CAMPOS | 2145S | 04120W | 11 | | 1011.0 | 1012.4 | 24.8 | | 25.6 | | 15 | 371 | | 6 | | |
| 83704 IVINHEMA | 2219S | 05356W | 369 | | 965.9 | 1006.2 | 26.7 | 1.8 | 22.0 | | 6 | 67 | -146 | 0 | 277 | 139 |
| 83716 PRESIDENTE PRUDENTE | 2207S | 05123W | 436 | | 959.8 | 1008.7 | 26.5 | | | | 10 | 74 | | 1 | 233 | |
| 83726 SAO CARLOS | 2201S | 04753W | 856 | | 916.2 | 1011.8 | 22.2 | .8 | 20.6 | | 13 | 175 | -92 | 1 | 176 | 205 |
| 83738 RESENDE | 2229S | 04428W | 440 | | 962.2 | | | | | | 21 | 214 | | 3 | 92 | 65 |
| 83766 LONDRINA | 2323S | 05111W | 566 | | 946.2 | 1009.8 | 24.9 | 1.4 | 21.7 | | 7 | 39 | -193 | 0 | 276 | 158 |
| 83781 SAO PAULO | 2330S | 04637W | 792 | | 923.3 | 1010.9 | 21.2 | .1 | 19.5 | | 10 | 218 | 18 | 3 | 158 | 122 |
| 83836 IRATI | 2528S | 05038W | 837 | | 913.7 | 1009.8 | 20.4 | | 17.7 | | 8 | 47 | | 1 | 228 | 130 |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 83842 CURITIBA | 2525S | 04916W | 924 | | 910.0 | 1012.1 | 19.4 | .1 | 17.8 | | 9 | 65 | -85 | 1 | 210 | 140 |
| 83881 IRAI | 2711S | 05314W | 247 | | 980.7 | 1008.4 | 24.7 | 1.0 | 20.7 | | 8 | 86 | -57 | 1 | 250 | 99 |
| 83897 FLORIANOPOLIS | 2735S | 04834W | 2 | | 1012.0 | 1012.3 | 23.3 | .8 | 22.2 | | 10 | 304 | 158 | 5 | 239 | 127 |
| 83967 PORTO ALEGRE | 3001S | 05113W | 47 | | 1007.0 | 1012.5 | 23.1 | -.1 | 21.2 | | 9 | 121 | 20 | 4 | 281 | 115 |
| 83980 BAGE | 3120S | 05406W | 242 | | 984.3 | 1011.9 | 21.9 | -.8 | 19.2 | | 6 | 105 | 0 | 3 | 260 | 102 |
| 83997 ST.VITORIA DO PALMAR | 3331S | 05321W | 24 | | 1011.6 | 1015.9 | 20.9 | .4 | 19.6 | | 11 | 96 | 13 | 4 | 262 | 100 |
| ECUADOR | | | | | | | | | | | | | | | | |
| 84008 SAN CRISTOBAL (GALAPAGOS) | 0054S | 08937W | 8 | | 1012.0 | | 24.0 | .5 | 25.1 | | 3 | 20 | -9 | 1 | 196 | |
| 84088 IZOBAMBA | 0021S | 07833W | 3058 | | 706.7 | | 11.6 | -.1 | 11.5 | | 22 | 125 | 6 | 1 | 148 | |
| 84140 PICHILINGUE | 0106S | 07929W | 120 | | 1002.7 | | 25.5 | .4 | 24.3 | | 7 | 31 | -131 | 1 | 46 | |
| 84270 LOJA/LA ARGELIA | 0402S | 07912W | 2160 | | | | 16.6 | .4 | 13.5 | | 8 | 126 | 49 | 1 | 157 | |
| PERU | | | | | | | | | | | | | | | | |
| 84370 TUMBES | 0333S | 08023W | 27 | | 1008.0 | 1010.9 | 25.4 | | 24.9 | | 0 | 0 | | 2 | | |
| 84377 IQUITOS | 0347S | 07318W | 126 | | 997.7 | 1008.0 | 26.6 | | 28.1 | | 10 | 111 | -171 | 1 | | |
| 84401 PIURA | 0512S | 08036W | 55 | | 1009.4 | 1016.3 | 24.1 | | 20.9 | | 0 | 0 | -1 | 4 | | |
| 84452 CHICLAYO | 0647S | 07949W | 30 | | 1010.1 | 1013.2 | 21.5 | | 19.5 | | 0 | 0 | -1 | 4 | | |
| 84455 TARAPOTO | 0630S | 07622W | 282 | | 979.0 | 1014.0 | 28.3 | | 26.8 | | 4 | 38 | -48 | 1 | | |
| 84501 TRUJILLO | 0805S | 07906W | 30 | | 1011.5 | 1015.7 | 19.0 | | 18.8 | | 0 | 0 | -1 | 5 | | |
| 84515 PUCALLPA | 0822S | 07434W | 149 | | 991.3 | 1008.8 | 26.9 | | 28.1 | | 9 | 43 | | 1 | | |
| 84628 LIMA/CALLAO | 1201S | 07707W | 13 | | 1012.0 | 1013.6 | 21.0 | | 19.7 | | 0 | T | -1 | 4 | 143 | |
| 84686 CUZCO | 1332S | 07156W | 3249 | | 687.2 | | 13.0 | | 8.8 | | 17 | 147 | 27 | 4 | | |
| 84691 PISCO | 1344S | 07613W | 7 | | 1012.6 | 1013.3 | 21.2 | | 19.9 | | 0 | 0 | 0 | 5 | | |
| 84735 JULIACA | 1528S | 07009W | 3827 | | 643.8 | | 12.4 | | 6.2 | | 9 | 23 | -62 | 1 | | |
| 84752 AREQUIPA | 1620S | 07134W | 2539 | | 753.0 | | 14.2 | | 7.8 | | 0 | 0 | -4 | 3 | | |
| 84782 TACNA | 1803S | 07016W | 469 | | 963.1 | 1013.8 | 19.6 | | 14.8 | | 0 | 0 | -1 | 5 | | |
| CHILE | | | | | | | | | | | | | | | | |
| 85406 ARICA | 1821S | 07020W | 55 | | 1010.0 | 1014.3 | 20.4 | -.2 | 15.1 | -2.1 | 0 | 0 | 0 | 4 | 304 | 125 |
| 85418 IQUIQUE | 2032S | 07011W | 48 | | 1009.1 | 1014.8 | 20.8 | .8 | 17.2 | .6 | 0 | 0 | 0 | 4 | 335 | 110 |
| 85442 ANTOFAGASTA | 2326S | 07027W | 140 | | 998.0 | 1014.2 | 18.7 | .0 | 15.1 | -.9 | 0 | 0 | 0 | 4 | 335 | 110 |
| 85469 ISLA DE PASCUA | 2710S | 10920W | 69 | | 1013.3 | 1021.4 | 22.7 | | 20.1 | | 9 | 64 | | 3 | 282 | 115 |
| 85488 LA SERENA | 2955S | 07112W | 146 | | 999.6 | 1015.4 | 16.8 | .7 | 14.5 | -.1 | 0 | T | T | 4 | 275 | 115 |
| 85574 PUDAHUEL | 3323S | 07047W | 474 | | 959.3 | 1013.1 | 20.0 | | 13.1 | | 0 | 0 | | 3 | 357 | 100 |
| 85577 QUINTA NORMAL | 3326S | 07041W | 520 | | 954.4 | 1013.4 | 20.2 | | 13.3 | | 0 | 0 | | 2 | 342 | 105 |
| 85585 JUAN FERNANDEZ | 3337S | 07849W | 30 | | 1015.9 | 1019.5 | 17.3 | | 14.0 | | 5 | 22 | | 3 | 145 | 75 |
| 85629 CURICO | 3458S | 07113W | 220 | | | | | | | | 0 | T | -11 | 3 | 342 | 105 |
| 85672 CHILLAN | 3635S | 07202W | 148 | | | | | | | | 1 | 8 | -20 | 3 | 316 | 95 |
| 85682 CONCEPCION | 3646S | 07304W | 148 | | 1015.3 | 1016.1 | 16.7 | 1.2 | 13.3 | .3 | 1 | 5 | -23 | 2 | 280 | 85 |
| 85743 TEMUCO | 3846S | 07238W | 93 | | 1005.6 | 1016.6 | 16.5 | 1.8 | 13.3 | .8 | 4 | 12 | -40 | 2 | 250 | 95 |
| 85766 VALDIVIA | 3938S | 07305W | 19 | | | | | | 13.3 | .8 | 3 | 12 | -51 | 2 | 250 | 95 |
| 85799 PUERTO MONTT | 4126S | 07306W | 90 | | 1007.3 | 1018.1 | 15.2 | 1.8 | 13.1 | 1.0 | 6 | 30 | -73 | 1 | 292 | 150 |
| 85864 COYHAIQUE | 4536S | 07206W | 311 | | 976.8 | 1013.0 | 15.7 | 3.1 | 11.8 | 2.3 | 4 | 14 | -61 | 1 | 286 | 115 |

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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. |
| 85874 BALMACEDA | 4555S | 07142W | 522 | | 951.9 | 1012.4 | 13.9 | 3.0 | 8.7 | .6 | 2 | 3 | -28 | 1 | | |
| 85934 PUNTA ARENAS | 5300S | 07051W | 43 | | 998.6 | 1003.6 | 11.1 | 1.4 | 8.3 | .1 | 5 | 16 | -12 | 2 | 256 | 115 |
| URUGUAY | | | | | | | | | | | | | | | | |
| 86330 ARTIGAS | 3023S | 05630W | 123 | | 997.0 | 1010.8 | 24.8 | .8 | 17.3 | -2.3 | 6 | 65 | -55 | 2 | 324 | 113 |
| 86350 RIVERA | 3053S | 05532W | 242 | | 984.6 | 1012.1 | 23.2 | | 17.5 | | 3 | 28 | | 1 | 288 | 100 |
| 86360 SALTO | 3123S | 05757W | 33 | | 1006.5 | 1011.4 | 25.6 | 2.1 | 16.1 | -2.4 | 4 | 17 | -103 | 1 | 326 | 113 |
| 86430 PAYSANDU | 3220S | 05802W | 61 | | 1005.6 | 1012.8 | 24.5 | | 14.9 | | 5 | 24 | | 1 | 327 | 110 |
| 86440 MELO | 3222S | 05611W | 100 | | 1000.2 | 1012.0 | 22.3 | .6 | 17.7 | .3 | 5 | 31 | -52 | 2 | 303 | 105 |
| 86565 ROCHA | 3429S | 05418W | 18 | | 1011.8 | 1014.1 | 22.3 | 2.1 | 17.3 | -1.2 | 1 | 37 | -25 | 1 | 281 | 105 |
| ARGENTINA | | | | | | | | | | | | | | | | |
| 87007 LA QUIACA OBSERVATORIO | 2206S | 06536W | 3462 | | 673.1 | 3130 Z | 12.1 | -.1 | 8.7 | .2 | 13 | 86 | 9 | 3 | 252 | |
| 87016 ORAN AERO | 2309S | 06419W | 357 | | 967.6 | 1007.2 | 25.6 | -.3 | 24.0 | -.5 | 11 | 218 | 64 | 4 | 206 | 115 |
| 87022 TARTAGAL AERO | 2239S | 06349W | 450 | | 958.5 | 1008.0 | 26.1 | | 22.0 | | 8 | 137 | | | 192 | |
| 87046 JUJUY AERO | 2423S | 06505W | 921 | | 909.6 | 1493 Y | 23.4 | | 18.8 | | 12 | 207 | | 6 | 194 | 90 |
| 87047 SALTA AERO | 2451S | 06529W | 1238 | | 878.6 | 1507 Y | 21.1 | -.1 | 17.6 | -.3 | 16 | 224 | 86 | 5 | 192 | 117 |
| 87078 LAS LOMITAS | 2442S | 06035W | 130 | | | | 28.7 | 1.3 | 20.8 | -1.2 | 4 | 52 | -73 | 1 | 268 | 102 |
| 87097 IGUAZU AERO | 2544S | 05428W | 270 | | 978.3 | 1010.9 | 25.8 | | 21.0 | | 4 | 32 | | 1 | 244 | |
| 87121 TUCUMAN AERO | 2651S | 06506W | 450 | | 959.0 | 1008.9 | 25.1 | | 20.8 | | 11 | 180 | | | 164 | |
| 87129 SANTIAGO DEL ESTERO AERO. | 2746S | 06418W | 199 | | 987.9 | 1010.3 | 28.0 | 1.5 | 17.6 | -3.0 | 5 | 38 | -58 | 1 | 274 | 65 |
| 87148 PRESIDENCIA ROQUE SAENZ PENA | 2644S | 06029W | 93 | | 998.1 | 1008.6 | 26.3 | | 20.9 | | 3 | 91 | | 2 | 265 | |
| 87155 RESISTENCIA AERO | 2727S | 05903W | 53 | | 1003.7 | 1009.6 | 26.9 | | 19.4 | | 6 | 94 | | 2 | 319 | 150 |
| 87162 FORMOSA AERO | 2612S | 05814W | 60 | | | | 27.6 | 1.1 | 19.9 | -3.7 | 4 | 41 | -105 | 1 | 271 | 96 |
| 87178 POSADAS AERO. | 2722S | 05558W | 131 | | 994.7 | 1008.9 | 27.5 | 1.8 | 18.9 | -3.1 | 3 | 16 | -134 | 1 | 185 | 83 |
| 87217 LA RIOJA AERO. | 2923S | 06649W | 438 | | 960.4 | 1007.8 | 27.1 | -.1 | 16.9 | -2.1 | 6 | 62 | 6 | 4 | 245 | |
| 87222 CATAMARCA AERO. | 2836S | 06546W | 454 | | 956.5 | 1006.4 | 28.1 | | 16.8 | | 7 | 92 | | 2 | 227 | 70 |
| 87244 VILLA DE MARIA DEL RIO SECO | 2954S | 06341W | 341 | | 973.4 | | 23.7 | -.4 | 25.4 | 5.7 | 5 | 26 | -100 | 1 | | |
| 87257 CERES AERO | 2953S | 06157W | 88 | | 1000.3 | 1010.3 | 26.5 | 1.9 | 18.1 | -2.3 | 2 | 16 | -111 | 1 | 299 | 110 |
| 87270 RECONQUISTA AERO | 2911S | 05942W | 53 | | 1004.9 | 1010.9 | 26.1 | 1.2 | 17.9 | -4.4 | 5 | 44 | -92 | 1 | 296 | 108 |
| 87289 PASO DE LOS LIBRES AERO | 2941S | 05709W | 70 | | 1002.8 | 1010.8 | 26.2 | 1.3 | 20.6 | .7 | 3 | 19 | -98 | 1 | 284 | 140 |
| 87305 JACHAL | 3015S | 06845W | 1175 | | | | 24.2 | | 15.3 | | 3 | 15 | | 4 | 319 | |
| 87311 SAN JUAN AERO | 3124S | 06825W | 598 | | 943.2 | 1008.7 | 26.8 | | 14.1 | | 3 | 24 | | 3 | 312 | 95 |
| 87320 CHAMICAL AERO | 3022S | 06617W | 467 | | 957.7 | 1009.1 | 24.8 | -1.1 | 18.3 | 1.5 | 6 | 114 | 36 | 4 | 286 | |
| 87328 VILLA DOLORES AERO | 3157S | 06508W | 569 | | 946.4 | 1009.5 | 23.7 | -.7 | 17.0 | 1.0 | 12 | 132 | 14 | 4 | 320 | |
| 87344 CORDOBA AERO | 3119S | 06413W | 484 | | 958.6 | 1011.8 | 23.0 | .3 | 16.4 | -1.4 | 11 | 88 | -60 | 1 | 277 | 123 |
| 87349 PILAR OBSERVATORIO | 3140S | 06353W | 338 | | 974.2 | 1012.7 | 23.2 | .6 | 17.3 | -.2 | 7 | 55 | -88 | 1 | 259 | 96 |
| 87374 PARANA AERO | 3147S | 06029W | 78 | | 1003.3 | 1012.1 | 24.8 | 1.3 | 16.4 | -2.2 | 4 | 16 | -96 | 0 | 313 | 115 |
| 87393 MONTE CASEROS AERO | 3016S | 05739W | 54 | | 1005.2 | 1011.4 | 25.9 | 1.2 | 18.9 | -.9 | 6 | 96 | -33 | 3 | 325 | 113 |
| 87395 CONCORDIA AERO | 3118S | 05801W | 38 | | 1007.1 | 1011.6 | 25.6 | 1.5 | 15.7 | -3.2 | 4 | 21 | -94 | 1 | 275 | |
| 87418 MENDOZA AERO | 3250S | 06847W | 705 | | 931.9 | 1009.0 | 25.1 | .7 | 14.4 | .6 | 5 | 40 | 16 | 4 | 305 | 107 |
| 87436 SAN LUIS AERO | 3316S | 06621W | 713 | | 913.2 | 1010.1 | 24.7 | 1.1 | 15.9 | 1.8 | 12 | 177 | 76 | 5 | 364 | 115 |
| 87448 VILLA REYNOLDS AERO | 3344S | 06523W | 486 | | | 1011.2 | 21.6 | -.8 | 17.4 | 1.3 | 14 | 186 | 74 | 5 | 272 | 97 |
| 87453 RIO CUARTO AERO | 3307S | 06414W | 421 | | 964.0 | 1011.8 | 22.1 | .0 | 16.6 | .5 | 12 | 155 | 12 | 4 | 260 | |
| 87467 MARCOS JUAREZ AERO | 3242S | 06209W | 114 | | 998.9 | 1012.2 | 23.3 | .3 | 18.4 | -.2 | 7 | 50 | -80 | 1 | 285 | 117 |

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 87480 ROSARIO AERO | 3255S | 06047W | 25 | | 1009.2 | 1012.0 | 24.1 | 1.1 | 18.6 | -1 | 5 | 30 | -90 | 0 | 282 | |
| 87497 GUALEGUAYCHU AERO | 3300S | 05837W | 23 | | 1010.3 | 1012.7 | 24.2 | 1.0 | 14.3 | -3.4 | 5 | 44 | -54 | 2 | 253 | 101 |
| 87506 MALARGUE AERO | 3530S | 06935W | 1426 | | 858.0 | 1505 Y | 19.2 | .8 | 10.4 | 1.0 | 4 | 20 | -6 | 3 | 339 | |
| 87509 SAN RAFAEL AERO | 3435S | 06824W | 748 | | 928.0 | 1010.1 | 22.1 | -.2 | 14.5 | 1.3 | 8 | 82 | 38 | 5 | 233 | |
| 87532 GENERAL PICO AERO | 3542S | 06345W | 145 | | 995.8 | 1012.6 | 21.9 | -1.0 | 17.8 | 2.2 | 8 | 77 | -24 | 3 | 135 | |
| 87534 LABOULAYE AERO | 3408S | 06322W | 137 | | 996.4 | 1012.3 | 22.3 | -.4 | 19.3 | 2.6 | 9 | 104 | -4 | 3 | 276 | 99 |
| 87548 JUNIN AERO | 3433S | 06055W | 82 | | 1003.2 | 1012.6 | 22.5 | .7 | 16.3 | -.5 | 4 | 47 | -53 | 2 | 243 | 88 |
| 87576 EZEIZA AERO | 3449S | 05832W | 20 | | 1011.5 | 1013.8 | 22.7 | .8 | 17.2 | .2 | 3 | 43 | -50 | 1 | 248 | 125 |
| 87623 SANTA ROSA AERO | 3634S | 06416W | 191 | | 990.4 | 1012.3 | 22.5 | .1 | 16.4 | 1.1 | 8 | 80 | -13 | 3 | 315 | 104 |
| 87640 BOLIVAR AERO | 3612S | 06104W | 94 | | 1003.0 | 1014.0 | 21.7 | | 17.7 | | 5 | 46 | | | 290 | |
| 87641 AZUL AERO | 3650S | 05953W | 147 | | 997.5 | 1014.6 | 21.2 | | 13.3 | | 5 | 28 | | 1 | 278 | 110 |
| 87645 TANDIL AERO | 3714S | 05915W | 175 | | 994.1 | 1014.5 | 20.1 | | 13.6 | | 3 | 36 | | 1 | 221 | 95 |
| 87648 DOLORES AERO | 3621S | 05744W | 10 | | 1013.6 | 1014.7 | 21.0 | .8 | 15.5 | -1.9 | 1 | 2 | | 0 | 196 | 79 |
| 87688 TRES ARROYOS | 3820S | 06015W | 115 | | 1000.9 | 1014.2 | 21.4 | | 12.6 | | 3 | 40 | | 1 | 280 | 100 |
| 87692 MAR DEL PLATA AERO | 3756S | 05735W | 21 | | | | 19.1 | .6 | 15.2 | -.9 | 4 | 19 | -85 | 1 | 156 | |
| 87715 NEUQUEN AERO | 3857S | 06808W | 271 | | 981.3 | 1012.2 | 23.6 | 1.4 | 10.8 | 1.6 | 1 | 2 | -11 | 2 | 282 | 101 |
| 87750 BAHIA BLANCA AERO | 3844S | 06210W | 83 | | 1003.8 | 1013.4 | 22.8 | 1.4 | 14.7 | 1.8 | 4 | 37 | -33 | 1 | | |
| 87765 BARILOCHE AERO | 4109S | 07110W | 845 | | 921.0 | 1513 Y | 16.8 | 3.9 | 8.5 | -.3 | 1 | 21 | -11 | 3 | 288 | 86 |
| 87784 SAN ANTONIO OESTE AERO | 4047S | 06506W | 20 | | 1011.2 | 1013.6 | 22.6 | 1.5 | 11.8 | .7 | 2 | 15 | -4 | 1 | 305 | 107 |
| 87791 VIEDMA AERO | 4051S | 06301W | 7 | | 1012.5 | 1013.3 | 21.8 | | 12.6 | | 3 | 14 | | 2 | 376 | 130 |
| 87803 ESQUEL AERO | 4256S | 07109W | 799 | | 923.0 | 1013.4 | 16.0 | 2.8 | 8.5 | 1.2 | 3 | 16 | -9 | 1 | | 85 |
| 87828 TRELEW AERO | 4312S | 06516W | 43 | | 1007.3 | 1012.3 | 20.9 | 1.4 | 10.5 | 2.3 | 3 | 10 | -4 | 3 | 320 | 109 |
| 87852 PERITO MORENO AERO | 4631S | 07101W | 429 | | 960.4 | 1010.4 | 16.9 | | 8.9 | | 2 | 4 | | | 260 | |
| 87860 COMODORO RIVADAVIA AERO | 4547S | 06730W | 58 | | 1005.6 | 1011.0 | 19.5 | 1.6 | 8.5 | .7 | 2 | 11 | -4 | 3 | 298 | 127 |
| 87896 PUERTO DESEADO AERO | 4744S | 06555W | 81 | | 999.8 | | 16.9 | 2.5 | 10.1 | 1.0 | 2 | 14 | 0 | 4 | 260 | |
| 87904 EL CALAFATE AERO | 5016S | 07203W | 204 | | 983.4 | 1007.6 | 14.3 | | 8.6 | | 2 | 7 | | | 297 | |
| 87909 SAN JULIAN AERO | 4919S | 06745W | 62 | | 1001.2 | 1008.5 | 16.4 | | 9.8 | | 3 | 32 | | 5 | 278 | |
| 87925 RIO GALLEGOS AERO | 5137S | 06917W | 20 | | 1003.1 | 1005.3 | 14.5 | 1.8 | 8.0 | .3 | 1 | 7 | -17 | 1 | 289 | |
| 87938 USHUAIA AERO | 5448S | 06819W | 57 | | 992.1 | 998.9 | 9.4 | .3 | 9.0 | .5 | 12 | 62 | 20 | 1 | 162 | |
| | | | | | | | | | | | | | | | | |
| ISLANDS | | | | | | | | | | | | | | | | |
| 88903 GRØYTVIKEN, | 5416S | 03630W | 3 | | 992.6 | 992.8 | 5.9 | | 5.6 | | | | | | 211 | |
| | | | | | | | | | | | | | | | | |
| ANTARCTICA | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| ARGENTINA (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 88963 BASE ESPERANZA | 6324S | 05659W | 24 | | | | 2.5 | 2.1 | 5.0 | | 3 | 11 | -48 | 0 | 285 | |
| 88968 BASE ORCADAS | 6044S | 04444W | 8 | | 980.4 | 982.0 | 1.4 | 1.3 | 6.0 | | 13 | 126 | 80 | 6 | 89 | 155 |
| 89034 BASE BELGRANO II | 7752S | 03437W | 256 | | 950.5 | 982.0 | -4.0 | | 2.1 | | 2 | 8 | | 2 | 175 | 70 |
| 89053 BASE JUBANY | 6214S | 05838W | 11 | | 981.3 | 983.1 | 1.8 | | 5.7 | | 7 | 20 | | | 86 | 65 |
| 89055 BASE MARAMBIO (CENTRO MET. A | 6414S | 05643W | 208 | | 953.3 | 976.9 | .7 | | 5.5 | | 4 | 6 | | | 239 | |
| 89066 BASE SAN MARTIN | 6807S | 06708W | 7 | | 978.0 | 978.5 | .1 | | 5.0 | | 8 | 89 | | | 122 | |

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. |
| AUSTRALIA (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89564 MAWSON | 6736S | 06252E | 16 | | 981.3 | 983.3 | -6 | | 3.8 | | | | | | 225 | 84 |
| 89571 DAVIS | 6835S | 07758E | 23 | | 982.5 | 985.3 | .5 | | 4.1 | | 01 | 1 | -1 | 3 | 225 | 81 |
| 89611 CASEY | 6617S | 11030E | 42 | | 978.4 | 983.6 | -1.3 | | 3.8 | | 1 | 6 | | | 200 | 90 |
| CHILE (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89056 CENTRO MET. ANTARTICO PDTE. | 6211S | 05859W | 48 | | 976.8 | 982.0 | .7 | | 5.6 | .2 | 9 | 20 | | 3 | 160 | 185 |
| 89059 BASE BERNARDO O'HIGGINS | 6319S | 05641W | 10 | | 978.1 | 979.3 | .5 | .4 | 5.3 | .3 | 3 | 10 | -28 | 3 | 216 | 195 |
| FRANCE (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89642 DUMONT D'URVILLE | 6639S | 14000E | 43 | | 980.5 | 985.8 | -1.4 | | 3.2 | | | | | | 387 | 115 |
| GERMANY (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89002 NEUMAYER | 7040S | 00815W | 50 | | 976.7 | 981.9 | -6.0 | | 3.4 | | | | | | 311 | 120 |
| UKRAINE (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89063 VERNADSKY | 6515S | 06416W | 11 | | 979.0 | 980.1 | -.4 | | 4.4 | | 13 | 35 | | 4 | | |
| UNITED KINGDOM (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89022 HALLEY | 7535S | 02639W | 35 | | 977.1 | 980.6 | -7.1 | | 3.2 | | | | | | | |
| 89062 ROTHERA | 6734S | 06808W | 33 | | 973.3 | 977.3 | -.4 | | 4.6 | | | | | | 171 | 80 |
| 89065 FOSSIL BLUFF | 7120S | 06817W | 69 | | 967.7 | 975.3 | -1.3 | | 4.1 | | | | | | | |
| URUGUAY (ANTARCTIC) | | | | | | | | | | | | | | | | |
| 89054 DINAMET-URUGUAY | 6211S | 05851W | 17 | | 980.7 | 982.9 | 1.5 | | 6.0 | | 10 | 29 | | | 137 | |
| ANTARCTICA | | | | | | | | | | | | | | | | |
| 89050 BELLINGSHAUSEN AWS | 6212S | 05856W | 16 | | 980.3 | 982.1 | 1.2 | | 5.7 | | 9 | 36 | | | 179 | |
| 89512 NOVOLAZAREVSKAJA | 7046S | 01150E | 119 | | 965.9 | 980.3 | -1.0 | | 3.1 | | 2 | 13 | | 1 | 301 | |
| 89592 MIRNYJ | 6633S | 09301E | 40 | | 980.0 | 985.5 | -2.6 | | 4.0 | | 4 | 11 | | | | |
| 89606 VOSTOK | 7827S | 10650E | 3488 | | 632.6 | | -30.9 | | .3 | | 0 | 0 | | | 728 | 170 |
| SW PACIFIC | | | | | | | | | | | | | | | | |
| MALAYSIA (PENIN. MALAYSIA) | | | | | | | | | | | | | | | | |
| 48601 PENANG/BAYAN LEPAS | 0518N | 10010E | 4 | | 1009.2 | 1009.6 | 27.5 | .8 | 27.6 | -.1 | 10 | 86 | -27 | 3 | | |
| 48615 KOTA BHARU | 0610N | 10210E | 5 | | 1010.4 | 1011.0 | 25.6 | .0 | 27.7 | -.2 | 22 | 921 | 350 | 5 | | |
| 48647 KUALA LUMPUR/SUBANG | 0307N | 10130E | 27 | | 1007.2 | 1009.7 | 26.5 | .5 | 27.7 | -.8 | 14 | 204 | -26 | 2 | | |

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. |
| 48657 KUANTAN | 0347N | 10310E | 16 | | 1008.4 | 1010.2 | 25.6 | 1.0 | 27.7 | .0 | 19 | 492 | -71 | 3 | | |
| 48665 MALACCA | 0216N | 10210E | 9 | | 1008.6 | 1009.6 | 27.0 | 1.0 | 27.5 | -.7 | 11 | 216 | 93 | 4 | | |
| 48674 MERSING | 0227N | 10350E | 45 | | 1004.7 | 1009.7 | 25.8 | .3 | 29.0 | .8 | 19 | 494 | -168 | | | |
| SINGAPORE | | | | | | | | | | | | | | | | |
| 48698 SINGAPORE/CHANGI AIRPORT | 0122N | 10350E | 16 | | 1007.8 | 1009.6 | 26.9 | 1.2 | 29.4 | .7 | 12 | 244 | -60 | 2 | 148 | 111 |
| USA (PACIFIC OCEAN NORTH) | | | | | | | | | | | | | | | | |
| 91165 LIHUE, KAUAI, HAWAII | 2159N | 15920W | 32 | | | 1015.7 | 22.6 | -.1 | 22.0 | | 15 | 495 | 365 | 5 | | |
| 91182 HONOLULU, OAHU, HAWAII | 2121N | 15750W | 5 | | | 1015.4 | 24.0 | .6 | 21.4 | | 11 | 193 | 97 | 5 | | |
| 91212 NWSO AGANA, GUAM, MARIANA IS | 1328N | 14440E | 75 | | | 1009.9 | 27.9 | .6 | | | 19 | 84 | -52 | 2 | | |
| 91285 HILO/GEN. LYMAN, HAWAII, HAW | 1943N | 15500W | 11 | | | 1016.3 | 22.2 | -.2 | 19.8 | | 17 | 772 | 467 | 5 | | |
| 91334 CHUUK, ECI | 0727N | 15150E | 4 | | | 1008.0 | 28.3 | .7 | 29.8 | | 17 | 194 | -99 | 2 | | |
| 91348 POHNPEI, CAROLINE IS. | 0658N | 15810E | 38 | | | 1009.0 | 27.4 | .1 | 29.8 | | 11 | 104 | -282 | 0 | | |
| 91366 KWAJALEIN/BUCHOLZ AAF, MARSH | 0844N | 16740E | 8 | | | 1008.7 | 27.4 | -.2 | 29.1 | | 14 | 190 | -15 | 3 | | |
| 91376 MAJURO/MARSHALL IS. INTNL. | 0705N | 17120E | 3 | | | 1008.2 | 27.6 | .5 | 30.3 | | 20 | 312 | 11 | 3 | | |
| 91408 KOROR, PALAU WCI. | 0720N | 13420E | 30 | | | 1008.2 | 28.2 | .5 | 30.7 | | 22 | 295 | -9 | 3 | | |
| 91413 YAP, CAROLINE IS. | 0929N | 13800E | 16 | | | 1008.5 | 28.0 | .9 | 30.4 | | 21 | 220 | -8 | 3 | | |
| NEW CALEDONIA | | | | | | | | | | | | | | | | |
| 91577 KOUMAC (NLLE-CALEDONIE) | 2034S | 16417E | 24 | | 1007.5 | 1009.6 | 26.2 | 1.1 | 26.2 | | 6 | 135 | 34 | | | |
| 91592 NOUMEA (NLLE-CALEDONIE) | 2217S | 16627E | 72 | | 1002.0 | 1009.8 | 26.0 | 1.4 | 25.2 | | 5 | 50 | -22 | | 268 | 103 |
| FIJI | | | | | | | | | | | | | | | | |
| 91650 ROTUMA | 1230S | 17700E | 26 | | | 1008.6 | 28.3 | | 31.1 | | 20 | 138 | | 1 | 223 | 120 |
| 91680 NADI AIRPORT | 1745S | 17720E | 18 | | | 1009.1 | 26.7 | .0 | 28.4 | | 19 | 271 | 112 | 5 | 236 | 105 |
| 91683 NAUSORI | 1803S | 17830E | 7 | | | 1009.7 | 26.3 | | 30.0 | | 22 | 260 | | 3 | | |
| SAMOA AND AMERICAN SAMOA | | | | | | | | | | | | | | | | |
| 91765 PAGO PAGO/INT.AIRP. | 1420S | 17040W | 6 | | | 1009.6 | 29.2 | | 31.1 | | 18 | 472 | | | | |
| FRENCH POLY. (MARQUESAS IS) | | | | | | | | | | | | | | | | |
| 91925 ATUONA | 0949S | 13902W | 53 | | 1005.9 | 1011.9 | 26.4 | | 25.1 | | 12 | 58 | -39 | | 212 | 87 |
| FRENCH POLY. (SOCIETY IS) | | | | | | | | | | | | | | | | |
| 91929 BORA-BORA | 1627S | 15145W | 3 | | 1012.0 | 1012.3 | 27.7 | | 28.8 | | 14 | 150 | | | | |
| 91938 TAHITI-FAAA | 1733S | 14937W | 2 | | 1012.4 | 1012.7 | 27.6 | | 27.0 | | 12 | 106 | -211 | | 226 | 115 |
| FRENCH POLY. (TUAMOTU IS) | | | | | | | | | | | | | | | | |
| 91943 TAKAROA | 1429S | 14502W | 3 | | 1012.3 | 1012.6 | 28.0 | | 27.1 | | 9 | 105 | -82 | | 267 | |

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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. |
| 91945 HEREHERETUE | 1954S | 14557W | 3 | | 1013.3 | 1013.7 | 26.4 | | 27.5 | | | | | | | |
| 91948 RIKITEA | 2308S | 13458W | 91 | | 1005.8 | 1016.1 | 24.0 | | 24.7 | | 16 | 216 | 13 | | 188 | 95 |
| | | | | | | | | | | | | | | | | |
| FRENCH POLY. (AUSTRAL IS) | | | | | | | | | | | | | | | | |
| 91954 TUBUAI | 2321S | 14929W | 3 | | 1013.8 | 1014.1 | 24.7 | | 26.3 | | 11 | 354 | 167 | | 161 | 80 |
| 91958 RAPA | 2737S | 14420W | 2 | | 1015.3 | 1015.5 | 22.5 | | 22.0 | | 13 | 112 | | | 140 | |
| | | | | | | | | | | | | | | | | |
| PAPUA NEW GUINEA | | | | | | | | | | | | | | | | |
| 92035 PORT MORESBY W.O. | 0923S | 14710E | 48 | | 1000.6 | 1006.4 | | | 29.3 | | 17 | 164 | | | | |
| | | | | | | | | | | | | | | | | |
| NEW ZEALAND | | | | | | | | | | | | | | | | |
| 93012 KAITAIA | 3506S | 17310E | 54 | | | | 17.5 | | 16.5 | | 7 | 83 | -1 | 2 | 184 | 80 |
| 93292 GISBORNE AERODROME AWS | 3839S | 17750E | 5 | | | 1011.4 | 19.1 | 1.4 | 15.4 | | 6 | 35 | -35 | 2 | | |
| 93309 NEW PLYMOUTH AWS | 3901S | 17410E | 32 | | | 1011.9 | 16.9 | | 16.0 | | 13 | 95 | | 3 | | |
| 93417 PARAPARAUMU AERODROME | 4054S | 17450E | 12 | | | 1011.0 | 16.8 | .8 | 15.1 | | 10 | 137 | 54 | 5 | 216 | 95 |
| 93615 HOKITIKA AERODROME AWS | 4243S | 17050E | 45 | | | 1009.9 | 14.3 | | 14.2 | | 17 | 400 | | 4 | | |
| 93678 KAIKOURA | 4225S | 17340E | 105 | | | 1008.7 | 15.6 | | 12.9 | | 6 | 26 | | 2 | | |
| 93780 CHRISTCHURCH | 4329S | 17230E | 38 | | | 1008.4 | 15.8 | | 12.5 | | 8 | 45 | | 3 | 231 | 105 |
| 93844 INVERCARGILL AERODROME | 4625S | 16810E | 4 | | | 1007.6 | 13.0 | .0 | 11.5 | | 14 | 71 | -26 | 2 | 185 | 100 |
| 93947 CAMPBELL ISLAND AWS | 5233S | 16900E | 19 | | | 1002.2 | 8.4 | | 9.1 | | 19 | 95 | | 3 | | |
| 93987 CHATHAM ISLANDS AWS | 4357S | 17630W | 49 | | | 1011.4 | 14.6 | | 14.8 | | 11 | 74 | | 4 | | |
| 93994 RAOUL ISLAND, KERMADEC IS. A | 2915S | 17750W | 49 | | | 1013.4 | 22.4 | | 23.0 | | 9 | 142 | | 4 | | |
| | | | | | | | | | | | | | | | | |
| AUSTRALIA | | | | | | | | | | | | | | | | |
| 94120 DARWIN AIRPORT | 1225S | 13050E | 35 | | 1002.6 | 1006.5 | 28.2 | | 30.7 | | 21 | 333 | 100 | 5 | 152 | 68 |
| 94131 TINDAL RAAF | 1431S | 13220E | 135 | | 991.2 | 1006.2 | 28.7 | | 28.0 | | 14 | 291 | | 6 | | |
| 94150 GOVE AIRPORT | 1217S | 13640E | 54 | | 1000.8 | 1006.8 | 27.9 | | 29.6 | | 13 | 302 | | 5 | 165 | 65 |
| 94170 WEIPA AERO | 1241S | 14150E | 19 | | 1005.4 | 1007.5 | 27.5 | | 29.5 | | 21 | 411 | | | 192 | |
| 94203 BROOME AIRPORT | 1757S | 12210E | 17 | | 1004.7 | 1005.7 | 29.7 | | 28.3 | | 5 | 149 | 102 | 5 | 301 | |
| 94212 HALLS CREEK AIRPORT | 1814S | 12740E | 424 | | 958.8 | 1005.0 | 29.5 | | 21.2 | | 7 | 50 | -23 | 2 | | |
| 94238 TENNANT CREEK MET OFFICE | 1938S | 13410E | 377 | | 964.4 | 1005.7 | 31.0 | | 18.0 | | 8 | 36 | -24 | 2 | 275 | 90 |
| 94259 BURKETOWN POST OFFICE | 1745S | 13930E | 8 | | 1006.5 | 1007.3 | | | 27.3 | | 5 | 73 | | 3 | | |
| 94287 CAIRNS AERO | 1653S | 14540E | 8 | | 1007.7 | 1008.6 | 28.0 | | 28.4 | | 9 | 197 | 7 | 4 | 236 | 99 |
| 94294 TOWNSVILLE AERO | 1915S | 14640E | 9 | | 1007.9 | 1008.9 | 28.5 | | 28.2 | | 9 | 179 | 32 | 4 | 297 | 108 |
| 94299 WILLIS ISLAND | 1618S | 14950E | 9 | | 1007.7 | 1008.7 | 28.9 | | 30.0 | | 6 | 29 | -74 | 2 | | |
| 94300 CARNARVON AIRPORT | 2453S | 11340E | 8 | | 1008.2 | 1009.1 | 24.0 | | 18.6 | | 0 | 0 | -1 | 1 | | |
| 94302 LEARMONTH AIRPORT | 2214S | 11400E | 6 | | 1007.0 | 1007.6 | 26.5 | | 18.0 | | 1 | 11 | 10 | 5 | | |
| 94312 PORT HEDLAND AIRPORT | 2022S | 11830E | 10 | | 1004.6 | 1005.5 | 29.1 | | 23.7 | | 2 | 47 | 31 | 5 | | |
| 94313 WITTENOOM | 2215S | 11820E | 464 | | 954.3 | 1004.5 | | | 15.0 | | 6 | 94 | | 5 | | |
| 94317 NEWMAN AERO | 2325S | 11940E | 526 | | 947.5 | 1004.3 | 31.3 | | 13.2 | | 4 | 42 | | 4 | | |
| 94326 ALICE SPRINGS AIRPORT | 2348S | 13350E | 547 | | 947.3 | 1007.4 | 27.6 | | 14.5 | | 6 | 56 | 21 | 4 | 282 | 89 |
| 94332 MOUNT ISA AERO | 2041S | 13920E | 342 | | 968.6 | 1006.2 | 31.2 | | 16.5 | | 5 | 24 | -38 | 1 | 304 | 102 |
| 94339 WINTON POST OFFICE | 2223S | 14300E | 184 | | 985.9 | 1006.3 | 32.3 | | 21.9 | | 4 | 17 | | 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. |
| 94340 RICHMOND POST OFFICE | 2044S | 14300E | 214 | | 983.1 | 1006.9 | | | 20.2 | | 4 | 36 | | 1 | | |
| 94346 LONGREACH AERO | 2326S | 14410E | 192 | | 984.8 | 1006.2 | 31.6 | | 16.0 | | 4 | 22 | -26 | 2 | | |
| 94367 MACKAY MO | 2107S | 14910E | 33 | | 1005.4 | 1009.6 | 27.6 | | 26.3 | | 7 | 169 | -28 | 3 | 294 | 100 |
| 94374 ROCKHAMPTON AERO | 2323S | 15020E | 14 | | 1008.0 | 1009.6 | 27.1 | | 23.5 | | 6 | 65 | -60 | 2 | | |
| 94380 GLADSTONE RADAR | 2351S | 15110E | 75 | | 1001.7 | 1010.3 | 26.8 | | 24.6 | | 7 | 76 | | 2 | | |
| 94403 GERALDTON AIRPORT | 2848S | 11440E | 37 | | 1007.3 | 1011.4 | 21.5 | | 15.4 | | 1 | 3 | -1 | 3 | | |
| 94430 MEEKATHARRA AIRPORT | 2637S | 11830E | 522 | | 949.3 | 1006.0 | 29.4 | | 9.8 | | 1 | 14 | 3 | 4 | | |
| 94461 GILES METEOROLOGICAL OFFICE | 2502S | 12810E | 599 | | 941.2 | 1006.4 | 27.7 | | 15.0 | | 8 | 96 | 67 | 5 | 257 | 83 |
| 94476 OODNADATTA AIRPORT | 2733S | 13520E | 118 | | 995.5 | 1008.8 | 28.0 | | 14.2 | | 6 | 59 | | 6 | | |
| 94480 MARREE | 2939S | 13800E | 51 | | 1004.5 | 1010.3 | | | 13.6 | | 4 | 53 | | 5 | | |
| 94510 CHARLEVILLE AERO | 2625S | 14610E | 306 | | 973.4 | 1007.2 | 28.6 | | 15.2 | | 6 | 85 | 33 | 5 | | |
| 94517 ST GEORGE AIRPORT | 2803S | 14830E | 200 | | 985.0 | 1007.4 | 27.5 | | 16.5 | | 7 | 78 | | | | |
| 94568 AMBERLEY AMO | 2738S | 15240E | 31 | | 1006.6 | 1010.2 | 24.5 | | 20.6 | | 10 | 134 | 3 | 4 | | |
| 94570 TEWANTIN RSL PARK | 2623S | 15300E | 7 | | 1009.8 | 1010.6 | 24.8 | | 22.5 | | 8 | 37 | | | | |
| 94578 BRISBANE AERO | 2723S | 15300E | 10 | | 1009.3 | 1010.4 | 24.5 | | 21.9 | | 9 | 49 | -82 | 1 | 285 | |
| 94589 YAMBA PILOT STATION | 2926S | 15320E | 30 | | 1006.7 | 1009.9 | 22.5 | | 20.5 | | 13 | 77 | | 2 | | |
| 94601 CAPE LEEUWIN | 3422S | 11500E | 14 | | 1012.7 | 1014.3 | 18.1 | | 14.6 | | 3 | 18 | | 3 | | |
| 94602 ROTTNEST ISLAND | 3201S | 11530E | 43 | | 1006.7 | 1011.8 | 19.7 | | 15.7 | | 2 | 5 | | 4 | | |
| 94610 PERTH AIRPORT | 3156S | 11550E | 20 | | 1009.3 | 1011.6 | 21.4 | | 13.6 | | 3 | 5 | -4 | 2 | 363 | |
| 94637 KALGOORLIE-BOULDER AIRPORT | 3047S | 12120E | 370 | | 967.5 | 1009.1 | 24.2 | | 11.3 | | 4 | 30 | 14 | 5 | | |
| 94638 ESPERANCE | 3350S | 12150E | 27 | | 1009.6 | 1012.7 | 18.2 | | 14.3 | | 3 | 24 | 8 | 4 | | |
| 94647 EUCLA | 3141S | 12850E | 102 | | 999.5 | 1011.4 | 19.2 | | 15.7 | | 8 | 31 | | 5 | | |
| 94653 CEDUNA AMO | 3208S | 13340E | 24 | | 1009.4 | 1011.2 | 20.0 | | 14.4 | | 5 | 59 | 43 | 5 | 254 | 84 |
| 94659 WOOMERA AERODROME | 3109S | 13640E | 168 | | 990.6 | 1009.8 | 23.9 | | 11.6 | | 6 | 58 | 45 | 6 | 269 | 83 |
| 94672 ADELAIDE AIRPORT | 3457S | 13830E | 8 | | 1009.8 | 1010.8 | 19.4 | | 12.8 | | 4 | 29 | 5 | 3 | 249 | 85 |
| 94681 NURIOOTPA VITICULTURAL | 3429S | 13900E | 276 | | 978.7 | 1010.5 | 17.7 | | 11.8 | | 6 | 70 | 46 | 6 | 267 | 93 |
| 94693 MILDURA AIRPORT | 3414S | 14200E | 53 | | 1003.5 | 1009.6 | 21.6 | | 10.8 | | 4 | 34 | 12 | 5 | 309 | 90 |
| 94711 COBAR MO | 3129S | 14550E | 264 | | 978.0 | 1007.7 | 25.8 | | 9.6 | | 3 | 16 | -21 | 3 | 324 | 95 |
| 94750 NOWRA RAN AIR STATION AWS | 3457S | 15030E | 122 | | 996.5 | 1008.7 | 19.1 | | 15.0 | | 8 | 79 | 0 | 1 | | |
| 94767 SYDNEY AIRPORT AMO | 3356S | 15110E | 6 | | 1008.5 | 1009.1 | 21.6 | | 16.8 | | 7 | 67 | -13 | 3 | 249 | 97 |
| 94776 WILLIAMTOWN RAAF | 3248S | 15150E | 10 | | 1007.6 | 1008.6 | 21.6 | | 17.8 | | 5 | 93 | 11 | 4 | 254 | 107 |
| 94791 COFFS HARBOUR MO | 3019S | 15300E | 6 | | 1008.9 | 1009.7 | 22.2 | | 19.9 | | 11 | 90 | -53 | 2 | 238 | 96 |
| 94802 ALBANY AIRPORT | 3456S | 11740E | 71 | | 1005.3 | 1013.5 | 16.7 | | 14.0 | | 6 | 32 | 9 | 4 | 291 | |
| 94812 ROBE | 3710S | 13940E | 4 | | 1010.9 | 1011.4 | | | 13.6 | | 8 | 89 | | 5 | | |
| 94814 STRATHALBYN RACECOURSE | 3517S | 13850E | 58 | | 1003.9 | 1010.7 | 17.7 | | 12.1 | | 3 | 26 | | 1 | | |
| 94821 MOUNT GAMBIER AERO | 3744S | 14040E | 69 | | 1002.1 | 1010.2 | 15.0 | | 11.5 | | 7 | 113 | 76 | 6 | 225 | 91 |
| 94826 CAPE NELSON LIGHTHOUSE | 3826S | 14130E | 47 | | 1004.5 | 1010.0 | 14.8 | | 13.0 | | 9 | 90 | | 6 | | |
| 94842 CAPE OTWAY LIGHTHOUSE | 3851S | 14330E | 83 | | 999.6 | 1009.4 | 14.1 | | 12.4 | | 12 | 85 | | 4 | | |
| 94865 LAVERTON RAAF | 3752S | 14440E | 20 | | 1006.8 | 1009.3 | 16.7 | | 12.2 | | 8 | 93 | 44 | 5 | | |
| 94866 MELBOURNE AIRPORT | 3740S | 14450E | 132 | | 995.4 | 1009.2 | 16.3 | | 11.2 | | 6 | 90 | 43 | 5 | 253 | |
| 94893 WILSONS PROMONTORY LIGHTHOUS | 3907S | 14620E | 97 | | 996.3 | 1007.7 | 14.8 | | 12.7 | | 13 | 96 | | 5 | | |
| 94907 EAST SALE AIRPORT | 3806S | 14700E | 8 | | 1007.6 | 1008.6 | 16.0 | | 12.6 | | 10 | 42 | -15 | 3 | 235 | 98 |
| 94910 WAGGA WAGGA AMO | 3510S | 14720E | 221 | | 983.4 | 1007.9 | 21.1 | | 10.1 | | 5 | 45 | -3 | 3 | 300 | 90 |
| 94926 CANBERRA AIRPORT | 3518S | 14910E | 580 | | 942.7 | 1008.2 | 18.2 | | 10.9 | | 6 | 117 | 65 | 5 | 306 | 104 |
| 94937 MORUYA HEADS PILOT STATION | 3555S | 15000E | 17 | | 1006.3 | 1008.2 | | | 17.1 | | 7 | 60 | | 3 | | |
| 94954 CAPE GRIM BAPS | 4040S | 14440E | 94 | | 997.3 | 1008.3 | 13.1 | | 11.5 | | 11 | 83 | | 5 | | |

SURFACE

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| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 94967 CAPE BRUNY LIGHTHOUSE | 4330S | 14700E | 55 | | 998.9 | 1005.6 | 13.0 | | 11.4 | | 14 | 45 | | 1 | | |
| 94968 LAUNCESTON AIRPORT COMPARISO | 4132S | 14710E | 178 | | | | 13.5 | | | | 11 | 52 | 1 | 4 | | |
| 94975 HOBART AIRPORT | 4250S | 14730E | 27 | | 1002.8 | 1006.0 | 14.7 | | 9.4 | | 9 | 24 | -31 | 1 | 265 | 114 |
| 94983 EDDYSTONE POINT | 4100S | 14820E | 21 | | 1004.7 | 1007.2 | 14.8 | | 12.3 | | 7 | 108 | | 4 | | |
| 95322 RABBIT FLAT | 2011S | 13000E | 340 | | 968.1 | 1005.3 | 31.4 | | 18.0 | | 3 | 12 | | | 284 | |
| 95527 MOREE AERO | 2929S | 14950E | 218 | | 983.4 | 1008.2 | 24.7 | | 15.5 | | 8 | 44 | | | 305 | 90 |
| 95646 FORREST | 3050S | 12800E | 160 | | 992.6 | 1011.0 | 22.0 | | 14.1 | | 6 | 37 | | | | |
| 95670 RAYVILLE PARK | 3347S | 13810E | 109 | | 997.8 | 1010.5 | 19.4 | | 12.5 | | 4 | 52 | | 6 | | |
| 95719 DUBBO AIRPORT AWS | 3213S | 14830E | 285 | | 976.0 | 1008.3 | 22.3 | | 13.3 | | 4 | 49 | | | | |
| 95753 RICHMOND RAAF | 3336S | 15040E | 21 | | 1006.7 | 1009.0 | 20.1 | | 15.5 | | 6 | 63 | | | | |
| 95869 DENILQUIN AIRPORT AWS | 3534S | 14450E | 96 | | 997.5 | 1008.5 | 20.3 | | 10.7 | | 7 | 69 | | 5 | | |
| 95916 CABRAMURRA SMHEA | 3556S | 14820E | 1483 | | | | 11.0 | | 9.1 | | 11 | 136 | | | | |
| 95964 LOW HEAD | 4103S | 14640E | 4 | | 1006.9 | 1007.3 | 14.6 | | 11.8 | | 10 | 49 | | | | |
| 95971 GROVE RESEARCH STATION | 4259S | 14700E | 63 | | | | | | | | 13 | 63 | | 4 | 235 | 105 |
| AUSTRALIA (ADDITIONAL IS.) | | | | | | | | | | | | | | | | |
| 94995 LORD HOWE ISLAND AERO | 3132S | 15900E | 7 | | 1011.0 | 1011.8 | 21.2 | | 18.6 | | 8 | 88 | -16 | 3 | | |
| 94996 NORFOLK ISLAND AERO | 2902S | 16750E | 117 | | 998.9 | 1012.5 | 20.0 | | 18.4 | | 10 | 80 | -8 | 4 | 222 | 92 |
| 94998 MACQUARIE ISLAND | 5430S | 15850E | 8 | | 994.7 | 995.7 | 5.7 | | 7.9 | | 17 | 81 | 8 | 4 | 129 | 123 |
| INDONESIA | | | | | | | | | | | | | | | | |
| 96001 SABANG/CUT BAU | 0552N | 09519E | 126 | | 996.1 | 1010.9 | 25.7 | | 29.1 | | 18 | 328 | | | 70 | |
| 96035 MEDAN/POLONIA | 0334N | 09841E | 25 | | | 1013.3 | 26.4 | | 28.3 | | 19 | 246 | | 3 | 48 | 55 |
| 96073 SIBOLGA/PINANGSORI | 0133N | 09853E | 3 | | | 1009.5 | 26.0 | | 4.4 | | 23 | 658 | | 5 | 92 | 60 |
| 96163 PADANG/TABING | 0053S | 10020E | 3 | | 1009.1 | 1009.8 | 26.3 | | 28.0 | | 21 | 669 | | | 112 | 65 |
| 96249 TANJUNG PANDAN/BULUH TUMBANG | 0245S | 10740E | 44 | | 1002.6 | 1008.6 | 25.8 | | 30.1 | | 25 | 443 | | 2 | 18 | 10 |
| 96509 TARAKAN/JUWATA | 0320N | 11730E | 6 | | 1008.5 | 1009.6 | 26.9 | | 30.5 | | 20 | 328 | | | 96 | |
| 96633 BALIKPAPAN/SEPINGGAN | 0116S | 11650E | 3 | | 1007.7 | 1008.4 | 26.9 | | 31.6 | | 18 | 325 | | 5 | 65 | 70 |
| 96739 CURUG/BUDIARTO | 0614S | 10630E | 46 | | | 1009.4 | 26.2 | | 27.9 | | 13 | 81 | | 0 | 99 | 90 |
| 96745 JAKARTA/OBSERVATORY | 0611S | 10650E | 8 | | 1008.6 | 1009.0 | 27.8 | | 28.4 | | 14 | 154 | | 2 | 93 | 85 |
| 96749 JAKARTA/SOEKARNO-HATTA | 0607S | 10630E | 8 | | | 1008.9 | 26.9 | | 29.5 | | 12 | 142 | | | 99 | |
| 96805 CILACAP | 0744S | 10900E | 6 | | 1008.9 | 1010.0 | 26.8 | | 29.1 | | 24 | 493 | | | | |
| 96837 SEMARANG | 0658S | 11020E | 3 | | | 1009.1 | 27.1 | | 42.7 | | 24 | 310 | | 0 | 119 | 75 |
| 97048 GORONTALO/JALALUDDIN | 0031N | 12300E | 2 | | 1004.7 | 1007.1 | 26.7 | | 29.0 | | 16 | 251 | | | 125 | 70 |
| 97146 KENDARI/WOLTER MONGINSIDI | 0406S | 12220E | 50 | | 1001.9 | 1008.0 | 27.2 | | | | 10 | 74 | | | | |
| 97180 UJUNG PANDANG/HASANUDDIN | 0504S | 11930E | 14 | | 1007.1 | 1008.9 | 26.4 | | 30.7 | | 24 | 509 | | 3 | 77 | 60 |
| 97230 DENPASAR/NGURAH RAI | 0845S | 11510E | 1 | | | 1008.1 | 27.3 | | 29.7 | | 16 | 280 | | 0 | 154 | |
| 97240 MATARAM/SELAPARANG | 0832S | 11600E | 3 | | | 1008.5 | 27.7 | | 29.9 | | 21 | 100 | | 6 | 143 | |
| 97260 SUMBAWA BESAR/BRANGBIJI | 0826S | 11720E | 3 | | 1006.2 | 1006.9 | 26.7 | | 29.1 | | 13 | 182 | | 2 | 187 | 105 |
| 97340 WAINGAPU/MAU HAU | 0940S | 12020E | 12 | | | 1007.7 | 27.0 | | 29.9 | | 18 | 256 | | 5 | 124 | 75 |
| 97372 KUPANG/ELTARI | 1010S | 12340E | 108 | | | 1006.5 | 27.0 | | 30.8 | | | 481 | | | | |
| 97502 SORONG/JEFMAN | 0056S | 13100E | 3 | | 1007.1 | 1007.6 | 26.8 | | 30.2 | | 18 | 245 | | | 149 | |
| 97560 BIAK/FRANS KAISIEPO | 0111S | 13600E | 11 | | | 1007.7 | 27.2 | | 30.6 | | 22 | 279 | | | 120 | 60 |
| 97686 WAMENA | 0404S | 13850E | 1660 | | 834.0 | 1005.9 | 19.7 | | | | 17 | 173 | | 4 | 115 | |
| 97690 JAYAPURA/SENTANI | 0234S | 14020E | 99 | | 997.0 | 1007.2 | 27.2 | | 30.3 | | 17 | 179 | | | 43 | |

SURFACE

DECEMBER 2008

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|-------------------------------------|----------|-----------|-----------|-----------|--------------|----------------|-------------|--------|----------------|--------|---------------|-------|--------|----------|----------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| 97724 AMBON/PATTIMURA | 0342S | 12800E | 12 | | 1006.0 | 1007.3 | 28.0 | | 29.7 | | 14 | 236 | | | 114 | 70 |
| 97876 TANAH MERAH | 0606S | 14010E | 16 | | 1005.3 | 1008.6 | 27.1 | | 31.5 | | 20 | 1126 | | | 119 | |
| 97900 SAUMLAKI/OLILIT | 0759S | 13110E | 24 | | | 1008.7 | 27.6 | | 31.8 | | 21 | 249 | | | 134 | 115 |
| 97980 MERAUKE/MOPAH | 0828S | 14020E | 3 | | 1006.5 | 1007.2 | 27.6 | | 30.1 | | 17 | 192 | | 4 | 142 | 70 |
| BRUNEI DARUSSALAM | | | | | | | | | | | | | | | | |
| 96315 BRUNEI AIRPORT | 0456N | 11450E | 22 | | 1006.5 | 1008.4 | 27.3 | | 30.7 | .6 | 22 | 321 | -22 | 3 | 173 | 82 |
| MALAYSIA (SABAH AND SARAWAK) | | | | | | | | | | | | | | | | |
| 96413 KUCHING | 0129N | 11020E | 27 | | 1006.4 | 1009.1 | 25.7 | | 29.1 | | 24 | 517 | | 4 | | |
| 96421 SIBU | 0220N | 11150E | 31 | | 1005.7 | 1009.3 | 26.1 | | 28.2 | | 23 | 690 | | 6 | | |
| 96441 BINTULU | 0312N | 11300E | 5 | | 1005.9 | 1008.6 | 26.1 | -.1 | 29.4 | | 25 | 607 | 157 | 5 | | |
| 96449 MIRI | 0420N | 11350E | 18 | | 1006.5 | 1008.4 | 26.6 | .4 | 29.2 | | 18 | 299 | -41 | 3 | | |
| 96465 LABUAN | 0518N | 11510E | 30 | | 1005.2 | 1008.5 | 27.8 | | 30.8 | .6 | 13 | 302 | | 3 | | |
| 96471 KOTA KINABALU | 0556N | 11600E | 3 | | 1008.6 | 1008.9 | 27.3 | | 29.1 | | 9 | 109 | | 2 | | |
| 96481 TAWAU | 0416N | 11750E | 20 | | 1006.8 | 1008.7 | 26.7 | | 28.9 | | 12 | 300 | 165 | 5 | | |
| 96491 SANDAKAN | 0554N | 11800E | 13 | | 1007.7 | 1008.9 | 26.7 | .2 | 30.2 | | 18 | 187 | | 0 | | |
| ISLANDS | | | | | | | | | | | | | | | | |
| 96995 CHRISTMAS ISLAND AERO | 1027S | 10540E | 279 | | 980.1 | 1009.5 | 24.0 | | 24.9 | | 9 | 120 | | 2 | | |
| 96996 COCOS ISLAND AERO | 1211S | 09650E | 4 | | 1010.7 | 1011.1 | 26.2 | | 23.9 | | 3 | 17 | -99 | 1 | | |
| PHILIPPINES | | | | | | | | | | | | | | | | |
| 98223 LAOAG | 1811N | 12030E | 5 | | 1010.8 | 1011.4 | 26.1 | | 23.4 | | 0 | 0 | | 0 | 159 | |
| 98232 APARRI | 1822N | 12130E | 3 | | 1004.4 | 1014.7 | 25.0 | 1.1 | 27.4 | 1.6 | 12 | 53 | -131 | | | |
| 98233 TUGUEGARAO | 1737N | 12140E | 62 | | 1006.9 | 1014.0 | 22.8 | | 24.9 | | 8 | 28 | | | 78 | |
| 98328 BAGUIO | 1625N | 12030E | 1501 | | 852.1 | 1000.3 | 17.8 | | 17.3 | | 0 | T | | | 387 | 60 |
| 98330 CABANATUAN | 1529N | 12050E | 32 | | 1008.6 | 1011.8 | 27.2 | | 28.1 | | 2 | 9 | | | | |
| 98430 SCIENCE GARDEN | 1438N | 12100E | 46 | | 1005.6 | 1010.8 | 26.0 | | 26.4 | | 9 | 70 | | | | |
| 98444 LEGASPI | 1308N | 12340E | 17 | | 1008.4 | 1010.3 | 26.3 | .2 | 29.8 | 1.3 | 21 | 503 | 28 | | | |
| 98550 TACLOBAN | 1115N | 12500E | 3 | | 1009.1 | 1009.4 | 26.7 | .4 | 29.8 | 1.1 | 23 | 397 | 92 | | 100 | |
| 98637 ILOILO | 1042N | 12230E | 8 | | 1009.5 | 1010.2 | 26.4 | -.4 | 28.1 | -.8 | 5 | 141 | 77 | | | |
| 98646 MACTAN | 1018N | 12350E | 24 | | 1008.0 | 1010.8 | 27.3 | .0 | 29.8 | .5 | 11 | 137 | 34 | | 134 | |
| 98653 SURIGAO | 0948N | 12530E | 55 | | 1004.1 | 1008.6 | 27.4 | 1.1 | 31.7 | 2.0 | 20 | 592 | 163 | | | |
| 98755 HINATUAN | 0822N | 12620E | 3 | | 1008.3 | 1008.7 | 26.5 | | 31.7 | | 22 | 598 | | | | |

SURFACE LATE REPORTS

| STATION | LATITUDE | LONGITUDE | ELEVATION | DAYS OBS. | PRESSURE | | TEMPERATURE | | VAPOR PRESSURE | | PRECIPITATION | | | | SUNSHINE | |
|--|----------------------------------|--------------------------------------|--------------------------|-----------|---------------------------|----------------|------------------------------|------------------------|------------------------------|--------|--------------------|----------------------|----------------------|------------------|-------------------------|----------|
| | | | | | MEAN STATION | MEAN SEA LEVEL | MEAN | DEPART | MEAN | DEPART | DAYS 1 MM | TOTAL | DEPART | QUINTILE | TOTAL | % of AV. |
| JANUARY 2008 ASIA | | | | | | | | | | | | | | | | |
| AFGHANISTAN,ISLAMIC STATE OF 40948 KABUL AIRPORT APRIL 2008 ASIA | 3433N | 06913E | 1791 | | | | -4.1 | -1.8 | | | 8 | 151 | 117 | | | |
| AFGHANISTAN,ISLAMIC STATE OF 40948 KABUL AIRPORT AUGUST 2008 ASIA | 3433N | 06913E | 1791 | | | | 13.9 | 1.1 | | | 8 | 68 | -3 | | | |
| AFGHANISTAN,ISLAMIC STATE OF 40948 KABUL AIRPORT S AMERICA | 3433N | 06913E | 1791 | | | | 25.9 | 1.8 | | | 1 | 15 | 14 | | | |
| ECUADOR 84008 SAN CRISTOBAL (GALAPAGOS) 84088 IZOBAMBA 84140 PICHILINGUE 84270 LOJA/LA ARGELIA OCTOBER 2008 ASIA | 0054S 0021S 0106S 0402S | 08937W 07833W 07929W 07912W | 8 3058 120 2160 | | 1011.9 706.9 1002.8 | | 23.8 11.1 24.2 15.2 | 2.5 -.5 .7 .1 | 24.0 10.2 25.6 12.0 | | 1 14 3 16 | 43 97 67 90 | 37 57 56 43 | 2 1 5 1 | 148 149 46 152 | |

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. |
| MALDIVES 43555 MALE NOVEMBER 2008 ASIA | 0412N | 07332E | 2 | | | | 28.5 | 2.8 | | | 14 | 248 | | | 207 | 88 |
| INDIA 42587 DALTONGANJ | 2403N | 08404E | 221 | | 987.3 | 1013.7 | 21.9 | .1 | 17.5 | | 0 | 0 | -9 | 3 | | |
| MALDIVES 43555 MALE S AMERICA | 0412N | 07332E | 2 | | | | 28.4 | 2.6 | | | 12 | 156 | | | 224 | 99 |
| ECUADOR 84008 SAN CRISTOBAL (GALAPAGOS) 84088 IZOBAMBA 84140 PICHILINGUE 84270 LOJA/LA ARGELIA SW PACIFIC | 0054S 0021S 0106S 0402S | 08937W 07833W 07929W 07912W | 8 3058 120 2160 | | 1013.8 706.8 1002.8 | | 23.4 11.5 24.7 16.6 | .9 -.1 .1 .3 | 23.5 11.5 23.7 13.5 | | 01 21 2 13 | 1 108 10 103 | -5 -27 -22 45 | 1 1 2 1 | 192 133 45 159 | |
| MALAYSIA (PENIN. MALAYSIA) 48674 MERSING | 0227N | 10350E | 45 | | 1003.8 | 1008.7 | 25.9 | .3 | 30.1 | 1.2 | 17 | 403 | 28 | 4 | | |
| PAPUA NEW GUINEA 92014 MADANG W.O. | 0513S | 14540E | 5 | | 1007.3 | 1007.9 | | | 31.3 | | 13 | 356 | | 3 | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| EUROPE - NORWAY JAN MAYEN 01001 DEC 2008 7056N 00840W OB 3 | | | | | | | | | EUROPE - NORWAY BJORNOYA 01028 DEC 2008 7431N 01901E OB 3 | | | | | | | | | EUROPE - NORWAY BODO 01152 DEC 2008 6717N 01427E OB 3 | | | | | | | | |
| 030 | 22497 | 0 | -80.2 | 14.8 | 5 | 89 | 264 | 12 | 030 | 22373 | 0 | -80.9 | 14.4 | 7 | 90 | 270 | 9 | 030 | 22630 | 0 | -80.6 | 16.3 | 5 | 91 | 274 | 12 |
| 050 | 19577 | 0 | -75.3 | 17.0 | 4 | 87 | 263 | 11 | 050 | 19491 | 0 | -76.6 | 16.4 | 1 | 91 | 272 | 9 | 050 | 19720 | 0 | -75.3 | 18.6 | 1 | 86 | 277 | 11 |
| 100 | 15472 | 0 | -66.4 | 20.4 | 0 | 81 | 256 | 9 | 100 | 15428 | 0 | -67.7 | 20.6 | 0 | 87 | 275 | 8 | 100 | 15611 | 0 | -66.1 | 22.7 | 1 | 81 | 277 | 9 |
| 150 | 12995 | 0 | -62.6 | 20.0 | 0 | 78 | 250 | 9 | 150 | 12964 | 0 | -63.8 | 20.5 | 0 | 82 | 272 | 9 | 150 | 13134 | 0 | -63.2 | 20.9 | 1 | 69 | 273 | 7 |
| 200 | 11216 | 0 | -61.4 | 16.4 | 0 | 71 | 250 | 10 | 200 | 11195 | 0 | -62.1 | 16.8 | 0 | 79 | 275 | 10 | 200 | 11361 | 0 | -61.9 | 17.0 | 1 | 54 | 268 | 6 |
| 300 | 8668 | 0 | -53.9 | 10.1 | 0 | 58 | 247 | 9 | 300 | 8666 | 0 | -55.8 | 9.0 | 0 | 72 | 272 | 9 | 300 | 8817 | 0 | -53.5 | 10.7 | 1 | 45 | 264 | 6 |
| 500 | 5232 | 0 | -31.7 | 10.7 | 0 | 53 | 238 | 6 | 500 | 5248 | 0 | -32.6 | 8.8 | 0 | 72 | 263 | 7 | 500 | 5352 | 0 | -29.4 | 12.6 | 0 | 53 | 260 | 5 |
| 700 | 2776 | 0 | -15.9 | 11.5 | 0 | 43 | 228 | 4 | 700 | 2801 | 0 | -16.9 | 9.6 | 0 | 65 | 265 | 4 | 700 | 2874 | 0 | -14.0 | 8.7 | 0 | 61 | 254 | 4 |
| 850 | 1289 | 0 | -8.0 | 4.3 | 0 | 30 | 219 | 2 | 850 | 1319 | 0 | -8.4 | 4.2 | 0 | 54 | 258 | 3 | 850 | 1376 | 0 | -5.5 | 5.6 | 0 | 64 | 242 | 4 |
| 1000 | * 9 | | -8 | 2.8 | | | | | 1003 | * 18 | | -1.0 | 1.9 | | | | | 1006 | * 33 | | 1.2 | 4.5 | | | | |
| EUROPE - NORWAY ORLAND III 01241 DEC 2008 6342N 00936E OB 3 | | | | | | | | | EUROPE - NORWAY STAVANGER/SOLA 01415 DEC 2008 5852N 00540E OB 3 | | | | | | | | | EUROPE - IRELAND VALENTIA OBSERVATORY 03953 DEC 2008 5156N 01015W OB 3 | | | | | | | | |
| 030 | 22739 | 0 | -78.0 | 18.9 | 9 | 93 | 271 | 11 | 030 | 23005 | 0 | -75.5 | 19.7 | 0 | 92 | 280 | 13 | 030 | 23315 | 0 | -69.7 | 23.2 | 0 | 95 | 278 | 23 |
| 050 | 19792 | 0 | -71.4 | 23.0 | 9 | 88 | 274 | 9 | 050 | 20015 | 0 | -70.1 | 22.1 | 0 | 89 | 281 | 10 | 050 | 20247 | 0 | -66.4 | 24.4 | 0 | 91 | 283 | 17 |
| 100 | 15606 | 0 | -62.4 | 28.2 | 9 | 75 | 276 | 6 | 100 | 15818 | 0 | -62.6 | 24.6 | 0 | 79 | 288 | 7 | 100 | 16001 | 0 | -62.2 | 24.7 | 0 | 83 | 291 | 14 |
| 150 | 13077 | 0 | -58.1 | 29.1 | 9 | 47 | 271 | 3 | 150 | 13306 | 0 | -60.4 | 22.4 | 0 | 71 | 287 | 6 | 150 | 13485 | 0 | -60.9 | 21.0 | 0 | 73 | 293 | 15 |
| 200 | 11261 | 0 | -57.0 | 25.8 | 9 | 22 | 268 | 2 | 200 | 11515 | 0 | -60.2 | 17.4 | 0 | 63 | 293 | 7 | 200 | 11707 | 0 | -61.7 | 13.7 | 0 | 57 | 300 | 15 |
| 300 | 8699 | 0 | -54.9 | 13.0 | 9 | 15 | 206 | 2 | 300 | 8949 | 0 | -51.6 | 10.5 | 0 | 53 | 296 | 7 | 300 | 9127 | 0 | -47.7 | 12.9 | 0 | 50 | 298 | 14 |
| 500 | 5278 | 0 | -32.3 | 10.3 | 9 | 39 | 213 | 3 | 500 | 5456 | 0 | -26.7 | 13.2 | 0 | 54 | 270 | 5 | 500 | 5570 | 0 | -22.2 | 15.2 | 0 | 55 | 291 | 11 |
| 700 | 2821 | 0 | -15.2 | 7.5 | 9 | 56 | 239 | 2 | 700 | 2946 | 0 | -10.1 | 11.4 | 0 | 51 | 259 | 3 | 700 | 3013 | 0 | -5.4 | 17.0 | 0 | 54 | 283 | 9 |
| 850 | 1325 | 0 | -5.3 | 5.3 | 9 | 50 | 227 | 2 | 850 | 1428 | 0 | -3.9 | 5.3 | 0 | 44 | 219 | 2 | 850 | 1469 | 0 | 1.4 | 9.9 | 0 | 42 | 269 | 6 |
| 1003 | * 10 | | -3 | 3.0 | | | | | 1011 | * 37 | | 2.6 | 2.7 | | | | | 1014 | * 30 | | 8.1 | 3.6 | | | | |
| EUROPE - ICELAND KEFLAVIKURFLUGVOLLUR 04018 DEC 2008 6358N 02236W OB 3 | | | | | | | | | EUROPE - DENMARK AND FAROE ISLANDS TORSHAVN 06011 DEC 2008 6201N 00646W OB 3 | | | | | | | | | EUROPE - NETHERLANDS DE BILT 06260 DEC 2008 5206N 00511E OB 1 | | | | | | | | |
| 030 | 22838 | 0 | -75.2 | 19.8 | 9 | 92 | 254 | 34 | 030 | 22935 | 0 | -77.3 | 17.2 | 4 | 92 | 276 | 29 | 030 | 23279 | 0 | -69.6 | 22.6 | 9 | 94 | 278 | 23 |
| 050 | 19792 | 0 | -70.8 | 20.7 | 7 | 92 | 253 | 28 | 050 | 19948 | 0 | -71.0 | 19.5 | 2 | 91 | 275 | 24 | 050 | 20213 | 0 | -66.1 | 24.0 | 3 | 91 | 286 | 15 |
| 100 | 15623 | 0 | -63.2 | 23.8 | 1 | 88 | 249 | 23 | 100 | 15766 | 0 | -63.2 | 22.1 | 1 | 86 | 270 | 20 | 100 | 15952 | 0 | -61.0 | 25.0 | 2 | 74 | 304 | 10 |
| 150 | 13106 | 0 | -59.7 | 23.6 | 1 | 85 | 244 | 23 | 150 | 13255 | 0 | -60.1 | 20.7 | 0 | 82 | 268 | 19 | 150 | 13414 | 0 | -59.1 | 23.6 | 1 | 62 | 314 | 9 |
| 200 | 11308 | 0 | -59.4 | 18.6 | 1 | 75 | 241 | 22 | 200 | 11465 | 0 | -59.4 | 17.1 | 0 | 72 | 268 | 19 | 200 | 11616 | 0 | -60.8 | 15.7 | 2 | 55 | 333 | 11 |
| 300 | 8735 | 0 | -51.4 | 12.1 | 1 | 65 | 234 | 20 | 300 | 8888 | 0 | -50.9 | 11.5 | 0 | 60 | 269 | 18 | 300 | 9045 | 0 | -49.9 | 12.6 | 2 | 34 | 332 | 8 |
| 500 | 5265 | 0 | -29.4 | 11.5 | 1 | 71 | 225 | 16 | 500 | 5392 | 0 | -26.8 | 12.3 | 0 | 67 | 255 | 14 | 500 | 5521 | 0 | -24.5 | 14.2 | 1 | 35 | 322 | 6 |
| 700 | 2789 | 0 | -14.6 | 9.3 | 1 | 71 | 222 | 11 | 700 | 2883 | 0 | -10.4 | 11.6 | 0 | 61 | 241 | 9 | 700 | 2986 | 0 | -8.1 | 14.3 | 1 | 34 | 308 | 4 |
| 850 | 1294 | 0 | -5.9 | 3.2 | 1 | 67 | 210 | 10 | 850 | 1366 | 0 | -3.2 | 5.0 | 0 | 52 | 229 | 6 | 850 | 1455 | 0 | -4 | 10.9 | 2 | 26 | 287 | 3 |
| 996 | * 54 | | 1.1 | 2.6 | | | | | 1001 | * 61 | | 5.1 | 3.3 | | | | | 1018 | * 4 | | 2.4 | 1.8 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | | |
| EUROPE - SWITZERLAND & LIECHTENSTEIN PAYERNE 06610 DEC 2008 4649N 00657E OB 3 | | | | | | | | | EUROPE - FRANCE BREST 07110 DEC 2008 4827N 00425W OB 3 | | | | | | | | | EUROPE - FRANCE NANCY-ESSEY 07180 DEC 2008 4841N 00613E OB 3 | | | | | | | | | | |
| 030 | 23387 | 0 | -66.1 | 26.1 | 1 | 93 | 275 | 19 | 030 | | | | | | | | | 030 | | | | | | | | | | |
| 050 | 20272 | 0 | -63.8 | 26.3 | 1 | 89 | 281 | 12 | 050 | 20314 | 0 | -64.0 | | | 2 | 93 | 291 | 13 | 050 | 20262 | 0 | -64.0 | | | 3 | 93 | 280 | 13 |
| 100 | 15982 | 0 | -59.7 | 26.3 | 0 | 73 | 297 | 9 | 100 | 16038 | 0 | -60.9 | | | 0 | 81 | 309 | 11 | 100 | 15976 | 0 | -60.2 | | | 2 | 64 | 302 | 8 |
| 150 | 13437 | 0 | -57.9 | 24.8 | 0 | 55 | 309 | 8 | 150 | 13514 | 0 | -59.7 | | | 0 | 72 | 324 | 12 | 150 | 13434 | 0 | -57.8 | | | 1 | 45 | 324 | 7 |
| 200 | 11626 | 0 | -58.1 | 10.2 | 0 | 44 | 331 | 7 | 200 | 11724 | 0 | -60.7 | 7.6 | | 0 | 65 | 335 | 14 | 200 | 11626 | 0 | -59.0 | | | 1 | 40 | 355 | 8 |
| 300 | 9046 | 0 | -50.5 | 10.7 | 0 | 23 | 351 | 6 | 300 | 9145 | 0 | -47.7 | 13.5 | | 0 | 59 | 340 | 17 | 300 | 9051 | 0 | -50.0 | | | 2 | 31 | 33 | 8 |
| 500 | 5529 | 0 | -24.5 | 12.3 | 0 | 15 | 334 | 3 | 500 | 5587 | 0 | -22.2 | 23.0 | | 0 | 56 | 334 | 10 | 500 | 5530 | 0 | -24.5 | 14.6 | | 0 | 10 | 337 | 2 |
| 700 | 2994 | 0 | -8.1 | 10.2 | 0 | 11 | 289 | 2 | 700 | 3027 | 0 | -5.3 | 26.3 | | 0 | 43 | 340 | 5 | 700 | 2996 | 0 | -8.0 | 15.4 | | 0 | 12 | 332 | 2 |
| 850 | 1464 | 0 | -1.0 | 7.4 | 0 | 11 | 191 | 1 | 850 | 1481 | 0 | 2.3 | 20.9 | | 0 | 29 | 350 | 3 | 850 | 1464 | 0 | -6 | 8.5 | | 0 | 10 | 214 | 1 |
| 960 | * 491 | | .2 | 2.0 | | | | | 1008 | * 99 | | 6.9 | 2.8 | | | | | | 994 | * 212 | | 2.6 | 2.4 | | | | | |
| EUROPE - FRANCE NIMES-COURBESSAC 07645 DEC 2008 4352N 00424E OB 3 | | | | | | | | | EUROPE - FRANCE AJACCIO 07761 DEC 2008 4155N 00848E OB 3 | | | | | | | | | EUROPE - SPAIN LA CORUNA 08001 DEC 2008 4322N 00825W OB 3 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | | 030 | 23541 | 0 | -62.0 | 28.2 | | 9 | 92 | 279 | 7 |
| 050 | 20337 | 0 | -62.4 | | 2 | 88 | 281 | 11 | 050 | 20347 | 0 | -61.9 | | | 2 | 85 | 276 | 12 | 050 | 20400 | 0 | -62.7 | 27.1 | | 4 | 80 | 291 | 4 |
| 100 | 16035 | 0 | -59.9 | | 0 | 79 | 294 | 10 | 100 | 16040 | 0 | -59.3 | | | 0 | 83 | 278 | 12 | 100 | 16113 | 0 | -61.3 | 26.9 | | 1 | 75 | 313 | 5 |
| 150 | 13484 | 0 | -57.9 | | 0 | 71 | 310 | 10 | 150 | 13492 | 0 | -57.4 | | | 1 | 64 | 276 | 11 | 150 | 13588 | 0 | -59.7 | 23.7 | | 0 | 69 | 325 | 6 |
| 200 | 11669 | 0 | -57.7 | | 0 | 69 | 325 | 12 | 200 | 11676 | 0 | -58.0 | | | 0 | 59 | 287 | 12 | 200 | 11803 | 0 | -60.9 | 15.0 | | 0 | 56 | 335 | 8 |
| 300 | 9084 | 0 | -49.9 | | 0 | 44 | 333 | 10 | 300 | 9089 | 0 | -49.4 | | | 0 | 44 | 289 | 9 | 300 | 9206 | 0 | -46.6 | 14.7 | | 0 | 53 | 346 | 8 |
| 500 | 5555 | 0 | -23.4 | 15.2 | 0 | 35 | 332 | 6 | 500 | 5555 | 0 | -23.5 | 16.0 | | 0 | 41 | 285 | 6 | 500 | 5626 | 0 | -20.5 | 16.8 | | 0 | 50 | 339 | 5 |
| 700 | 3005 | 0 | -6.2 | 15.5 | 0 | 32 | 351 | 4 | 700 | 3007 | 0 | -6.0 | 11.2 | | 0 | 29 | 275 | 3 | 700 | 3051 | 0 | -4.0 | 16.0 | | 0 | 38 | 336 | 3 |
| 850 | 1463 | 0 | 1.3 | 11.2 | 0 | 36 | 7 | 5 | 850 | 1461 | 0 | 2.3 | 6.7 | | 0 | 23 | 223 | 2 | 850 | 1496 | 0 | 3.8 | 9.9 | | 0 | 26 | 320 | 2 |
| 1010 | * 62 | | 8.3 | 6.7 | | | | | 1015 | * 9 | | 12.6 | 7.0 | | | | | | 1011 | * 67 | | 11.2 | 4.5 | | | | | |
| EUROPE - SPAIN SANTANDER 08023 DEC 2008 4329N 00348W OB 3 | | | | | | | | | EUROPE - SPAIN MADRID/BARAJAS 08221 DEC 2008 4030N 00335W OB 3 | | | | | | | | | EUROPE - SPAIN MURCIA 08430 DEC 2008 3800N 00110W OB 3 | | | | | | | | | | |
| 030 | 23509 | 0 | -63.3 | 26.9 | 9 | 95 | 283 | 8 | 030 | 23560 | 0 | -61.0 | 29.8 | | 1 | 93 | 273 | 12 | 030 | 23590 | 0 | -60.2 | 30.3 | | 9 | 95 | 274 | 6 |
| 050 | 20365 | 0 | -62.6 | 27.2 | 2 | 88 | 294 | 5 | 050 | 20401 | 0 | -62.3 | 28.8 | | 1 | 85 | 287 | 8 | 050 | 20415 | 0 | -61.9 | 30.1 | | 9 | 79 | 285 | 4 |
| 100 | 16075 | 0 | -60.3 | 27.9 | 0 | 85 | 311 | 6 | 100 | 16113 | 0 | -60.8 | 28.8 | | 0 | 85 | 304 | 10 | 100 | 16129 | 0 | -60.7 | 30.3 | | 4 | 88 | 289 | 6 |
| 150 | 13536 | 0 | -69.2 | 14.2 | 0 | 77 | 324 | 6 | 150 | 13574 | 0 | -58.0 | 26.9 | | 0 | 77 | 310 | 12 | 150 | 13585 | 0 | -57.6 | 29.4 | | 3 | 87 | 295 | 8 |
| 200 | 11739 | 0 | -60.1 | 15.8 | 0 | 68 | 336 | 7 | 200 | 11772 | 0 | -59.5 | 18.4 | | 0 | 67 | 324 | 14 | 200 | 11775 | 0 | -58.3 | 21.3 | | 1 | 73 | 305 | 8 |
| 300 | 9151 | 0 | -48.3 | 14.7 | 0 | 63 | 345 | 7 | 300 | 9181 | 0 | -47.6 | 14.2 | | 0 | 59 | 331 | 14 | 300 | 9172 | 0 | -47.4 | 16.3 | | 1 | 60 | 312 | 7 |
| 500 | 5599 | 0 | -22.2 | 17.9 | 0 | 59 | 342 | 5 | 500 | 5613 | 0 | -21.6 | 16.9 | | 0 | 52 | 333 | 8 | 500 | 5616 | 0 | -21.6 | 18.1 | | 0 | 58 | 313 | 4 |
| 700 | 3020 | 0 | -7.0 | 16.0 | 0 | 47 | 328 | 3 | 700 | 3050 | 0 | -4.6 | 15.1 | | 0 | 41 | 340 | 5 | 700 | 3049 | 0 | -4.3 | 17.6 | | 0 | 50 | 322 | 3 |
| 850 | 1483 | 0 | .8 | 9.1 | 0 | 51 | 303 | 3 | 850 | 1499 | 0 | 3.3 | 9.2 | | 0 | 31 | 334 | 3 | 850 | 1495 | 0 | 3.7 | 10.0 | | 0 | 47 | 318 | 2 |
| 998 | * 59 | | 10.2 | 2.4 | | | | | 945 | * 633 | | 6.3 | 5.7 | | | | | | 1012 | * 62 | | 10.6 | 6.3 | | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| EUROPE - PORTUGAL LISBOA/GAGO COUTINHO 08579 DEC 2008 3846N 00908W OB 3 | | | | | | | | | EUROPE - GERMANY SCHLESWIG 10035 DEC 2008 5432N 00933E OB 3 | | | | | | | | | EUROPE - GERMANY GREIFSWALD 10184 DEC 2008 5406N 01324E OB 3 | | | | | | | | |
| 030 | 23605 | 0 | -59.5 | 29.4 | 9 | 95 | 267 | 7 | 030 | 23167 | 0 | -72.3 | 23.0 | 0 | 93 | 281 | 24 | 030 | 23156 | 0 | -72.0 | 23.6 | 0 | 92 | 277 | 24 |
| 050 | 20441 | 0 | -62.5 | 28.4 | 9 | 86 | 285 | 5 | 050 | 20124 | 0 | -67.3 | 25.4 | 0 | 89 | 284 | 17 | 050 | 20115 | 0 | -67.3 | 26.1 | 0 | 87 | 278 | 16 |
| 100 | 16171 | 0 | -62.5 | 27.5 | 9 | 70 | 292 | 4 | 100 | 15891 | 0 | -61.5 | 27.6 | 0 | 75 | 298 | 11 | 100 | 15876 | 0 | -61.6 | 28.2 | 0 | 68 | 290 | 10 |
| 150 | 13645 | 0 | -59.5 | 25.6 | 9 | 59 | 313 | 5 | 150 | 13363 | 0 | -59.3 | 25.5 | 0 | 59 | 307 | 9 | 150 | 13346 | 0 | -58.9 | 27.1 | 0 | 45 | 299 | 7 |
| 200 | 11854 | 0 | -60.4 | 16.5 | 9 | 43 | 326 | 4 | 200 | 11569 | 0 | -60.9 | 17.3 | 0 | 49 | 315 | 10 | 200 | 11548 | 0 | -60.9 | 18.0 | 0 | 35 | 303 | 8 |
| 300 | 9260 | 0 | -46.3 | 16.9 | 9 | 22 | 336 | 3 | 300 | 8998 | 0 | -51.1 | 12.0 | 0 | 35 | 305 | 9 | 300 | 8988 | 0 | -51.8 | 11.6 | 0 | 25 | 292 | 7 |
| 500 | 5669 | 0 | -19.4 | 16.3 | 8 | 40 | 339 | 4 | 500 | 5492 | 0 | -25.6 | 13.3 | 0 | 34 | 288 | 6 | 500 | 5485 | 0 | -25.6 | 13.4 | 0 | 23 | 275 | 4 |
| 700 | 3079 | 0 | -2.8 | 15.1 | 6 | 34 | 339 | 3 | 700 | 2967 | 0 | -9.0 | 13.4 | 0 | 32 | 295 | 4 | 700 | 2960 | 0 | -9.2 | 12.7 | 0 | 30 | 274 | 4 |
| 850 | 1511 | 0 | 5.1 | 9.7 | 4 | 31 | 337 | 2 | 850 | 1442 | 0 | -2.4 | 8.9 | 0 | 30 | 285 | 3 | 850 | 1436 | 0 | -3.0 | 6.7 | 0 | 27 | 258 | 3 |
| 1008 | * 105 | | 11.8 | 4.3 | | | | | 1012 | * 48 | | 2.4 | 1.1 | | | | | 1017 | * 6 | | 2.4 | 1.3 | | | | |
| EUROPE - GERMANY EMDEN-FLUGPLATZ 10200 DEC 2008 5323N 00714E OB | | | | | | | | | EUROPE - GERMANY BERGEN 10238 DEC 2008 5249N 00956E OB | | | | | | | | | EUROPE - GERMANY LINDENBERG 10393 DEC 2008 5213N 01407E OB 3 | | | | | | | | |
| 030 | 23201 | 0 | -70.9 | 23.9 | 0 | 93 | 279 | 24 | 030 | 23191 | 0 | -70.9 | 23.8 | 9 | 95 | 267 | 24 | 030 | 23227 | 0 | -70.6 | 23.1 | 0 | 91 | 273 | 23 |
| 050 | 20146 | 0 | -67.0 | 25.8 | 0 | 90 | 282 | 16 | 050 | 20168 | 0 | -66.3 | 27.0 | 0 | 88 | 282 | 15 | 050 | 20156 | 0 | -66.1 | 24.9 | 0 | 86 | 279 | 15 |
| 100 | 15904 | 0 | -61.3 | 28.0 | 0 | 74 | 296 | 11 | 100 | 15911 | 0 | -60.7 | 28.9 | 0 | 70 | 293 | 10 | 100 | 15900 | 0 | -60.6 | 26.7 | 0 | 64 | 293 | 9 |
| 150 | 13374 | 0 | -59.0 | 25.4 | 0 | 59 | 305 | 9 | 150 | 13373 | 0 | -58.5 | 26.7 | 0 | 57 | 302 | 9 | 150 | 13365 | 0 | -58.7 | 25.1 | 0 | 42 | 300 | 7 |
| 200 | 11579 | 0 | -60.9 | 17.2 | 0 | 51 | 318 | 10 | 200 | 11576 | 0 | -60.3 | 17.9 | 0 | 42 | 320 | 9 | 200 | 11567 | 0 | -60.9 | 16.7 | 0 | 27 | 311 | 6 |
| 300 | 9012 | 0 | -50.8 | 12.1 | 0 | 35 | 320 | 8 | 300 | 9013 | 0 | -51.1 | 12.2 | 0 | 24 | 308 | 6 | 300 | 9010 | 0 | -51.8 | 10.9 | 0 | 19 | 322 | 5 |
| 500 | 5500 | 0 | -25.2 | 14.5 | 0 | 40 | 314 | 6 | 500 | 5502 | 0 | -25.2 | 13.8 | 0 | 26 | 289 | 5 | 500 | 5504 | 0 | -25.0 | 13.1 | 0 | 22 | 288 | 4 |
| 700 | 2972 | 0 | -8.8 | 14.3 | 0 | 34 | 293 | 4 | 700 | 2974 | 0 | -8.9 | 15.1 | 0 | 34 | 299 | 4 | 700 | 2971 | 0 | -8.9 | 13.8 | 0 | 21 | 267 | 3 |
| 850 | 1445 | 0 | -1.6 | 9.0 | 0 | 37 | 279 | 4 | 850 | 1448 | 0 | -1.7 | 8.8 | 0 | 42 | 285 | 4 | 850 | 1447 | 0 | -2.4 | 7.3 | 0 | 31 | 251 | 3 |
| 1018 | * 5 | | 2.0 | 1.1 | | | | | 1010 | * 77 | | 2.0 | 1.2 | | | | | 1004 | * 115 | | 1.6 | 1.7 | | | | |
| EUROPE - GERMANY ESSEN-BREDENEY 10410 DEC 2008 5124N 00658E OB 3 | | | | | | | | | EUROPE - GERMANY MEININGEN 10548 DEC 2008 5034N 01023E OB 3 | | | | | | | | | EUROPE - GERMANY STUTTGART/SCHNARRENBURG 10739 DEC 2008 4850N 00912E OB 3 | | | | | | | | |
| 030 | 23269 | 0 | -69.4 | 25.6 | 0 | 93 | 278 | 23 | 030 | 23291 | 0 | -68.7 | 25.0 | 0 | 92 | 277 | 21 | 030 | 23353 | 0 | -67.4 | 25.6 | 2 | 91 | 276 | 19 |
| 050 | 20195 | 0 | -65.5 | 27.3 | 0 | 89 | 285 | 14 | 050 | 20203 | 0 | -65.2 | 26.4 | 0 | 87 | 280 | 14 | 050 | 20248 | 0 | -64.3 | 26.5 | 2 | 87 | 280 | 13 |
| 100 | 15932 | 0 | -60.6 | 28.6 | 0 | 70 | 298 | 9 | 100 | 15932 | 0 | -60.1 | 27.8 | 0 | 65 | 292 | 9 | 100 | 15960 | 0 | -60.1 | 27.6 | 2 | 66 | 292 | 9 |
| 150 | 13394 | 0 | -58.7 | 26.9 | 0 | 56 | 314 | 8 | 150 | 13389 | 0 | -58.3 | 26.6 | 0 | 44 | 314 | 7 | 150 | 13413 | 0 | -57.8 | 26.6 | 2 | 47 | 318 | 7 |
| 200 | 11596 | 0 | -60.4 | 17.8 | 0 | 47 | 335 | 9 | 200 | 11588 | 0 | -60.3 | 17.9 | 0 | 31 | 327 | 6 | 200 | 11607 | 0 | -59.5 | 18.4 | 2 | 37 | 342 | 8 |
| 300 | 9027 | 0 | -50.8 | 12.5 | 0 | 21 | 336 | 6 | 300 | 9023 | 0 | -51.3 | 12.0 | 0 | 16 | 331 | 4 | 300 | 9036 | 0 | -51.2 | 12.4 | 2 | 26 | 359 | 7 |
| 500 | 5512 | 0 | -24.7 | 14.8 | 0 | 21 | 314 | 4 | 500 | 5512 | 0 | -24.9 | 13.4 | 0 | 15 | 285 | 3 | 500 | 5522 | 0 | -24.8 | 12.4 | 2 | 14 | 324 | 3 |
| 700 | 2983 | 0 | -8.6 | 14.5 | 0 | 23 | 293 | 3 | 700 | 2982 | 0 | -8.6 | 13.3 | 0 | 21 | 292 | 3 | 700 | 2990 | 0 | -8.6 | 9.9 | 2 | 13 | 316 | 2 |
| 850 | 1454 | 0 | -1.0 | 9.2 | 0 | 25 | 277 | 3 | 850 | 1455 | 0 | -1.6 | 8.8 | 0 | 17 | 299 | 2 | 850 | 1461 | 0 | -1.1 | 6.8 | 2 | 20 | 266 | 2 |
| 1000 | * 153 | | 2.2 | 1.5 | | | | | 964 | * 453 | | -1.1 | 1.7 | | | | | 980 | * 315 | | 1.8 | 2.0 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| EUROPE - GERMANY MUENCHEN-OBERSCHLEIBSHEIM 10868 DEC 2008 4815N 01133E OB 3 | | | | | | | | | EUROPE - AUSTRIA WIEN/HOHE WARTE 11035 DEC 2008 4815N 01622E OB 3 | | | | | | | | | EUROPE - CZECH REPUBLIC PRAHA-LIBUS 11520 DEC 2008 5001N 01427E OB 3 | | | | | | | | |
| 030 | 23356 | 0 | -66.7 | 25.0 | 0 | 92 | 275 | 21 | 030 | 23338 | 0 | -66.9 | 24.8 | 6 | 92 | 272 | 22 | 030 | 23320 | 0 | -67.8 | 23.2 | 0 | 91 | 277 | 21 |
| 050 | 20248 | 0 | -63.8 | 26.0 | 0 | 83 | 275 | 13 | 050 | 20237 | 0 | -64.2 | 25.6 | 1 | 87 | 273 | 15 | 050 | 20229 | 0 | -64.6 | 24.7 | 0 | 86 | 279 | 14 |
| 100 | 15952 | 0 | -59.5 | 27.1 | 0 | 66 | 283 | 9 | 100 | 15945 | 0 | -59.2 | 27.4 | 1 | 63 | 276 | 8 | 100 | 15935 | 0 | -59.8 | 25.9 | 0 | 64 | 286 | 9 |
| 150 | 13407 | 0 | -58.0 | 26.1 | 0 | 43 | 291 | 6 | 150 | 13396 | 0 | -58.0 | 26.1 | 1 | 48 | 289 | 7 | 150 | 13390 | 0 | -58.1 | 24.5 | 0 | 39 | 293 | 6 |
| 200 | 11596 | 0 | -59.3 | 18.5 | 0 | 27 | 308 | 5 | 200 | 11591 | 0 | -59.8 | 18.0 | 1 | 27 | 280 | 5 | 200 | 11586 | 0 | -60.3 | 16.8 | 0 | 25 | 303 | 5 |
| 300 | 9030 | 0 | -51.3 | 11.9 | 0 | 10 | 317 | 3 | 300 | 9029 | 0 | -51.3 | 11.9 | 1 | 8 | 264 | 2 | 300 | 9026 | 0 | -51.4 | 11.0 | 0 | 15 | 294 | 4 |
| 500 | 5522 | 0 | -25.1 | 11.2 | 0 | 15 | 283 | 3 | 500 | 5518 | 0 | -24.9 | 11.2 | 0 | 14 | 256 | 3 | 500 | 5518 | 0 | -24.5 | 12.1 | 0 | 15 | 295 | 3 |
| 700 | 2991 | 0 | -8.5 | 9.8 | 0 | 26 | 256 | 3 | 700 | 2988 | 0 | -8.5 | 11.9 | 0 | 31 | 270 | 4 | 700 | 2985 | 0 | -8.4 | 11.8 | 0 | 24 | 270 | 3 |
| 850 | 1462 | 0 | -1.0 | 6.9 | 0 | 46 | 269 | 5 | 850 | 1461 | 0 | -1.5 | 6.6 | 0 | 22 | 233 | 3 | 850 | 1458 | 0 | -2.1 | 5.8 | 0 | 30 | 242 | 3 |
| 959 | * 489 | | 1.4 | 2.1 | | | | | 995 | * 200 | | 2.9 | 3.4 | | | | | 982 | * 303 | | 2.1 | 2.7 | | | | |
| EUROPE - CZECH REPUBLIC PROSTEJOV 11747 DEC 2008 4927N 01708E OB | | | | | | | | | EUROPE - SLOVAKIA POPRAD-GANOVCE 11952 DEC 2008 4902N 02019E OB 3 | | | | | | | | | EUROPE - HUNGARY BUDAPEST/PESTSZENTLORINC 12843 DEC 2008 4726N 01911E OB 3 | | | | | | | | |
| 030 | 23336 | 0 | -67.6 | 27.7 | 1 | 92 | 272 | 22 | 030 | 23312 | 0 | -67.8 | 24.5 | 0 | 93 | 270 | 23 | 030 | 23375 | 0 | -66.2 | 26.1 | 9 | 92 | 275 | 22 |
| 050 | 20248 | 0 | -64.1 | 29.0 | 0 | 86 | 273 | 15 | 050 | 20214 | 0 | -64.3 | 25.9 | 0 | 87 | 272 | 16 | 050 | 20265 | 0 | -63.4 | 26.8 | 9 | 89 | 275 | 15 |
| 100 | 15960 | 0 | -59.4 | 30.1 | 0 | 71 | 280 | 9 | 100 | 15930 | 0 | -59.8 | 27.0 | 0 | 69 | 270 | 10 | 100 | 15961 | 0 | -59.1 | 27.7 | 9 | 70 | 270 | 11 |
| 150 | 13410 | 0 | -57.7 | 27.2 | 0 | 43 | 282 | 7 | 150 | 13384 | 0 | -58.2 | 26.0 | 1 | 53 | 267 | 9 | 150 | 13410 | 0 | -57.8 | 26.4 | 9 | 54 | 271 | 9 |
| 200 | 11604 | 0 | -60.1 | 17.3 | 0 | 21 | 285 | 4 | 200 | 11581 | 0 | -60.3 | 17.3 | 1 | 35 | 254 | 8 | 200 | 11600 | 0 | -59.2 | 18.4 | 9 | 43 | 251 | 10 |
| 300 | 9038 | 0 | -51.1 | 10.5 | 0 | 13 | 283 | 4 | 300 | 9024 | 0 | -51.6 | 10.3 | 1 | 22 | 273 | 6 | 300 | 9037 | 0 | -51.1 | 10.5 | 9 | 17 | 253 | 5 |
| 500 | 5523 | 0 | -24.5 | 11.6 | 0 | 13 | 282 | 2 | 500 | 5516 | 0 | -24.8 | 12.6 | 0 | 22 | 260 | 4 | 500 | 5527 | 0 | -25.2 | 10.2 | 8 | 12 | 264 | 2 |
| 700 | 2992 | 0 | -8.7 | 9.7 | 0 | 23 | 240 | 3 | 700 | 2988 | 0 | -9.2 | 8.4 | 0 | 23 | 227 | 3 | 700 | 2999 | 0 | -9.2 | 8.1 | 7 | 16 | 234 | 2 |
| 850 | 1466 | 0 | -1.7 | 5.5 | 0 | 29 | 214 | 4 | 850 | 1466 | 0 | -2.7 | 4.9 | 0 | 39 | 217 | 3 | 850 | 1474 | 0 | -1.6 | 5.5 | 5 | 20 | 197 | 2 |
| 994 | * 216 | | 3.0 | 3.5 | | | | | 935 | * 703 | | -2 | 2.4 | | | | | 1003 | * 139 | | 3.6 | 3.5 | | | | |
| EUROPE - HUNGARY SZEGED 12982 DEC 2008 4615N 02006E OB | | | | | | | | | EUROPE - ROMANIA CLUJ-NAPOCA 15120 DEC 2008 4647N 02334E OB 1 | | | | | | | | | EUROPE - BULGARIA SOFIA (OBSERV.) 15614 DEC 2008 4239N 02323E OB 0 | | | | | | | | |
| 030 | 23410 | 0 | -66.2 | | 9 | 92 | 270 | 23 | 030 | | | | | 9 | 90 | 264 | 17 | 030 | 23477 | 0 | -64.0 | 26.4 | 9 | 99 | 282 | 16 |
| 050 | 20287 | 0 | -62.8 | | 9 | 87 | 269 | 15 | 050 | 20253 | 0 | -63.6 | 27.0 | | | | | 050 | 20312 | 0 | -62.5 | 27.1 | 9 | 94 | 276 | 13 |
| 100 | 15986 | 0 | -58.6 | | 7 | 73 | 273 | 11 | 100 | 15953 | 0 | -59.4 | 27.8 | 6 | 84 | 262 | 13 | 100 | 16014 | 0 | -59.7 | 27.6 | 2 | 80 | 269 | 14 |
| 150 | 13431 | 0 | -58.0 | | 6 | 56 | 264 | 11 | 150 | 13409 | 0 | -58.3 | 25.7 | 4 | 67 | 259 | 11 | 150 | 13466 | 0 | -58.1 | 25.6 | 0 | 81 | 261 | 18 |
| 200 | 11617 | 0 | -58.6 | | 4 | 49 | 254 | 12 | 200 | 11601 | 0 | -58.9 | 19.3 | 6 | 48 | 265 | 10 | 200 | 11664 | 0 | -59.4 | 18.8 | 0 | 70 | 264 | 17 |
| 300 | 9041 | 0 | -50.9 | 10.0 | 0 | 18 | 249 | 5 | 300 | 9029 | 0 | -51.4 | 11.8 | 4 | 26 | 228 | 7 | 300 | 9082 | 0 | -49.8 | 12.8 | 0 | 52 | 270 | 14 |
| 500 | 5530 | 0 | -25.1 | 9.9 | 0 | 11 | 277 | 2 | 500 | 5525 | 0 | -25.7 | 8.8 | 2 | 17 | 215 | 3 | 500 | 5554 | 0 | -23.6 | 12.8 | 1 | 43 | 254 | 9 |
| 700 | 3003 | 0 | -9.2 | 7.8 | 0 | 22 | 243 | 2 | 700 | 3002 | 0 | -9.4 | 9.1 | 2 | 24 | 219 | 2 | 700 | 3017 | 0 | -8.3 | 10.1 | 2 | 38 | 241 | 5 |
| 850 | 1476 | 0 | -9 | 5.6 | 0 | 13 | 218 | 1 | 850 | 1477 | 0 | -1.4 | 6.7 | 2 | 26 | 210 | 2 | 850 | 1487 | 0 | -1.1 | 1.8 | 0 | 21 | 285 | 2 |
| 1010 | * 83 | | 2.3 | 2.3 | | | | | 971 | * 414 | | .5 | 2.2 | | | | | 951 | * 595 | | 4.8 | 4.7 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| EUROPE - ITALY MILANO/LINATE 16080 DEC 2008 4526N 00917E OB 3 | | | | | | | | | EUROPE - ITALY PRATICA DI MARE 16245 DEC 2008 4139N 01227E OB 3 | | | | | | | | | EUROPE - ITALY TRAPANI BIRGI 16429 DEC 2008 3755N 01230E OB 3 | | | | | | | | |
| 030 | 23457 | 0 | -64.7 | 25.5 | 9 | 95 | 278 | 17 | 030 | 23533 | 0 | -62.0 | 29.2 | 9 | 92 | 266 | 16 | 030 | 23582 | 0 | -59.0 | 26.4 | 9 | 94 | 272 | 14 |
| 050 | 20309 | 0 | -62.7 | 25.3 | 3 | 85 | 277 | 11 | 050 | 20367 | 0 | -62.0 | 27.9 | 9 | 84 | 280 | 10 | 050 | 20404 | 0 | -62.2 | 24.8 | 9 | 92 | 268 | 12 |
| 100 | 15995 | 0 | -59.4 | 25.8 | 1 | 77 | 280 | 10 | 100 | 16048 | 0 | -59.2 | 26.8 | 5 | 80 | 273 | 12 | 100 | 16106 | 0 | -60.2 | 23.9 | 9 | 82 | 265 | 14 |
| 150 | 13437 | 0 | -57.2 | 24.4 | 1 | 58 | 303 | 9 | 150 | 13499 | 0 | -57.1 | 26.1 | 5 | 77 | 284 | 13 | 150 | 13563 | 0 | -58.5 | 22.9 | 9 | 84 | 267 | 20 |
| 200 | 11623 | 0 | -57.8 | 19.8 | 1 | 44 | 311 | 8 | 200 | 11670 | 0 | -58.0 | 19.9 | 3 | 61 | 271 | 14 | 200 | 11752 | 0 | -58.7 | 16.8 | 9 | 81 | 258 | 22 |
| 300 | 9038 | 0 | -50.3 | 12.6 | 0 | 18 | 319 | 4 | 300 | 9082 | 0 | -49.8 | 11.7 | 1 | 49 | 250 | 13 | 300 | 9155 | 0 | -48.5 | 10.3 | 6 | 70 | 247 | 19 |
| 500 | 5522 | 0 | -24.6 | 10.5 | 0 | 8 | 348 | 2 | 500 | 5551 | 0 | -23.3 | 10.5 | 2 | 46 | 252 | 8 | 500 | 5598 | 0 | -21.7 | 11.2 | 6 | 68 | 247 | 12 |
| 700 | 2986 | 0 | -7.6 | 8.5 | 0 | 7 | 106 | 1 | 700 | 3004 | 0 | -6.7 | 8.6 | 3 | 35 | 235 | 4 | 700 | 3033 | 0 | -4.9 | 12.9 | 6 | 60 | 247 | 8 |
| 850 | 1451 | 0 | .8 | .1 | 0 | 30 | 74 | 3 | 850 | 1461 | 0 | 2.3 | 5.2 | 2 | 27 | 186 | 3 | 850 | 1484 | 0 | 3.4 | 5.3 | 6 | 54 | 235 | 6 |
| 1004 | * 103 | | 3.4 | 1.6 | | | | | 1011 | * 21 | | 9.1 | 3.8 | | | | | 1016 | * 9 | | 12.5 | 3.3 | | | | |
| EUROPE - GREECE HERAKLION (AIRPORT) 16754 DEC 2008 3520N 02511E OB / | | | | | | | | | EUROPE - TURKEY SAMSUN 17030 DEC 2008 4117N 03618E OB 3 | | | | | | | | | EUROPE - TURKEY ISTANBUL/GOZTEPE 17062 DEC 2008 4058N 02905E OB 3 | | | | | | | | |
| 030 | 23597 | 0 | -57.8 | 27.1 | | | | | 030 | 23503 | 0 | -62.3 | 29.3 | 5 | 97 | 268 | 21 | 030 | 23494 | 0 | -62.1 | 29.0 | 9 | 97 | 268 | 20 |
| 050 | 20418 | 0 | -61.5 | 25.9 | | | | | 050 | 20352 | 0 | -62.5 | 28.9 | 1 | 94 | 269 | 16 | 050 | 20360 | 0 | -61.9 | 28.6 | 5 | 92 | 271 | 15 |
| 100 | 16148 | 0 | -63.2 | 21.1 | | | | | 100 | 16045 | 0 | -60.1 | 27.4 | 0 | 93 | 272 | 21 | 100 | 16058 | 0 | -59.9 | 27.7 | 1 | 93 | 263 | 18 |
| 150 | 13621 | 0 | -60.4 | 21.2 | | | | | 150 | 13508 | 0 | -59.2 | 23.3 | 0 | 90 | 274 | 22 | 150 | 13520 | 0 | -59.2 | 23.6 | 1 | 95 | 265 | 24 |
| 200 | 11821 | 0 | -58.4 | 15.4 | | | | | 200 | 11708 | 0 | -58.4 | 17.7 | 0 | 88 | 278 | 24 | 200 | 11717 | 0 | -57.9 | 19.5 | 1 | 92 | 267 | 24 |
| 300 | 9207 | 0 | -46.0 | 13.9 | | | | | 300 | 9120 | 0 | -49.8 | 12.1 | 0 | 81 | 275 | 18 | 300 | 9122 | 0 | -49.1 | 11.6 | 1 | 74 | 264 | 19 |
| 500 | 5635 | 0 | -19.3 | 16.5 | | | | | 500 | 5593 | 0 | -23.8 | 11.9 | 0 | 65 | 265 | 9 | 500 | 5587 | 0 | -23.3 | 13.2 | 1 | 67 | 259 | 11 |
| 700 | 3060 | 0 | -2.2 | 17.2 | | | | | 700 | 3049 | 0 | -6.6 | 13.9 | 0 | 51 | 264 | 4 | 700 | 3040 | 0 | -6.5 | 12.5 | 1 | 58 | 241 | 6 |
| 850 | 1506 | 0 | 5.9 | 8.4 | | | | | 850 | 1506 | 0 | 2.7 | 13.7 | 0 | 46 | 286 | 3 | 850 | 1500 | 0 | 1.7 | 7.2 | 1 | 43 | 228 | 4 |
| 1015 | * 39 | | 13.5 | 4.1 | | | | | 1021 | * 4 | | 8.3 | 8.4 | | | | | 1019 | * 33 | | 8.7 | 5.0 | | | | |
| EUROPE - TURKEY ANKARA/CENTRAL 17130 DEC 2008 3957N 03253E OB 3 | | | | | | | | | EUROPE - TURKEY IZMIR/GUZELYALI 17220 DEC 2008 3826N 02710E OB 3 | | | | | | | | | EUROPE - TURKEY ISPARTA 17240 DEC 2008 3745N 03033E OB 3 | | | | | | | | |
| 030 | 23534 | 0 | -60.9 | 30.0 | 2 | 98 | 269 | 20 | 030 | 23572 | 0 | -60.7 | 28.4 | 7 | 97 | 264 | 18 | 030 | 23572 | 0 | -60.3 | 28.9 | 5 | 96 | 266 | 16 |
| 050 | 20383 | 0 | -62.3 | 28.0 | 0 | 93 | 267 | 15 | 050 | 20403 | 0 | -61.7 | 28.1 | 2 | 95 | 263 | 16 | 050 | 20417 | 0 | -61.7 | 27.0 | 1 | 93 | 262 | 14 |
| 100 | 16080 | 0 | -60.3 | 26.4 | 0 | 96 | 267 | 22 | 100 | 16108 | 0 | -60.9 | 26.0 | 2 | 97 | 263 | 23 | 100 | 16134 | 0 | -61.8 | 24.4 | 1 | 96 | 269 | 24 |
| 150 | 13549 | 0 | -59.5 | 23.6 | 0 | 93 | 271 | 24 | 150 | 13578 | 0 | -59.1 | 24.2 | 2 | 98 | 264 | 28 | 150 | 13616 | 0 | -60.1 | 22.4 | 1 | 96 | 270 | 29 |
| 200 | 11748 | 0 | -58.4 | 18.7 | 0 | 92 | 271 | 28 | 200 | 11772 | 0 | -58.2 | 19.4 | 2 | 96 | 264 | 31 | 200 | 11818 | 0 | -58.8 | 17.1 | 1 | 94 | 268 | 31 |
| 300 | 9151 | 0 | -48.6 | 12.3 | 0 | 87 | 273 | 21 | 300 | 9175 | 0 | -48.1 | 13.2 | 1 | 84 | 266 | 23 | 300 | 9206 | 0 | -47.2 | 12.9 | 0 | 92 | 269 | 25 |
| 500 | 5610 | 0 | -22.9 | 11.7 | 0 | 71 | 262 | 10 | 500 | 5621 | 0 | -21.1 | 14.5 | 0 | 80 | 260 | 15 | 500 | 5638 | 0 | -20.9 | 13.9 | 0 | 81 | 263 | 13 |
| 700 | 3058 | 0 | -6.0 | 10.5 | 0 | 71 | 258 | 6 | 700 | 3054 | 0 | -4.5 | 13.2 | 0 | 60 | 237 | 7 | 700 | 3067 | 0 | -3.8 | 14.2 | 0 | 64 | 247 | 6 |
| 850 | 1514 | 0 | 1.6 | 8.2 | 0 | 48 | 223 | 3 | 850 | 1501 | 0 | 3.6 | 8.7 | 0 | 27 | 192 | 3 | 850 | 1513 | 0 | 3.5 | 8.9 | 0 | 27 | 115 | 2 |
| 919 | * 891 | | .7 | 2.4 | | | | | 1017 | * 29 | | 10.6 | 5.8 | | | | | 906 | * 997 | | 1.8 | 4.1 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| EUROPE - CYPRUS ATHALASSA 17607 DEC 2008 3509N 03324E OB 2 | | | | | | | | | EUROPE - RUSSIAN FEDERATION (EUROPE) KANDALAKSHA 22217 DEC 2008 6709N 03221E OB | | | | | | | | | EUROPE - RUSSIAN FEDERATION (EUROPE) SHOJNA 22271 DEC 2008 6753N 04409E OB | | | | | | | | |
| 030 | 23607 | 0 | -58.8 | 30.3 | 9 | 95 | 269 | 14 | 030 | 22710 | 0 | -77.1 | 7.3 | 9 | 92 | 256 | 26 | 030 | 22760 | 0 | -76.5 | 9.0 | 9 | 94 | 290 | 25 |
| 050 | 20446 | 0 | -63.1 | 28.6 | 1 | 89 | 264 | 13 | 050 | 19699 | 0 | -74.2 | 6.5 | 9 | 94 | 268 | 22 | 050 | 19757 | 0 | -72.9 | 7.3 | 9 | 94 | 278 | 23 |
| 100 | 16191 | 0 | -63.5 | 26.4 | 0 | 96 | 269 | 28 | 100 | 15591 | 0 | -67.6 | 6.1 | 0 | 87 | 275 | 17 | 100 | 15587 | 0 | -67.1 | 6.7 | 8 | 93 | 285 | 19 |
| 150 | 13684 | 0 | -60.5 | 24.6 | 0 | 96 | 271 | 36 | 150 | 13125 | 0 | -64.1 | 5.7 | 0 | 74 | 276 | 15 | 150 | 13122 | 0 | -64.1 | 6.1 | 7 | 88 | 282 | 18 |
| 200 | 11889 | 0 | -59.0 | 17.8 | 0 | 93 | 269 | 38 | 200 | 11363 | 0 | -63.6 | 5.5 | 0 | 59 | 278 | 13 | 200 | 11363 | 0 | -64.0 | 5.8 | 7 | 76 | 281 | 16 |
| 300 | 9274 | 0 | -45.1 | 16.7 | 0 | 91 | 268 | 30 | 300 | 8835 | 0 | -54.4 | 5.8 | 0 | 48 | 271 | 13 | 300 | 8839 | 0 | -54.1 | 6.2 | 7 | 69 | 276 | 15 |
| 500 | 5674 | 0 | -18.9 | 17.8 | 0 | 85 | 269 | 15 | 500 | 5373 | 0 | -28.7 | 7.8 | 0 | 59 | 264 | 11 | 500 | 5376 | 0 | -28.3 | 7.7 | 7 | 73 | 274 | 12 |
| 700 | 3082 | 0 | -1.6 | 22.7 | 0 | 67 | 258 | 6 | 700 | 2887 | 0 | -12.9 | 7.7 | 0 | 57 | 265 | 8 | 700 | 2886 | 0 | -12.5 | 10.2 | 6 | 68 | 271 | 8 |
| 850 | 1513 | 0 | 6.7 | 18.2 | 0 | 29 | 246 | 2 | 850 | 1386 | 0 | -5.6 | 3.3 | 0 | 50 | 266 | 6 | 850 | 1388 | 0 | -6.5 | 5.2 | 6 | 72 | 261 | 7 |
| 999 | * 162 | | 12.9 | 6.0 | | | | | 1010 | * 25 | | -3.1 | 1.1 | | | | | 1012 | * 18 | | -2.2 | 1.7 | | | | |
| EUROPE - RUSSIAN FEDERATION (EUROPE) KEM' 22522 DEC 2008 6457N 03439E OB | | | | | | | | | EUROPE - RUSSIAN FEDERATION (EUROPE) ARHANGEL'SK 22550 DEC 2008 6433N 04035E OB 3 | | | | | | | | | EUROPE - RUSSIAN FEDERATION (EUROPE) NIZHNIJ NOVGOROD 27459 DEC 2008 5616N 04400E OB | | | | | | | | |
| 030 | 22888 | 0 | -76.1 | 9.6 | 9 | 99 | 252 | 26 | 030 | 22883 | 0 | -76.8 | 6.3 | 9 | 95 | 275 | 26 | 030 | 23054 | 0 | -73.6 | 9.6 | 7 | 94 | 272 | 29 |
| 050 | 19813 | 0 | -72.7 | 7.1 | 9 | 89 | 276 | 20 | 050 | 19850 | 0 | -73.3 | 6.1 | 6 | 87 | 280 | 20 | 050 | 20017 | 0 | -69.5 | 10.1 | 0 | 89 | 278 | 19 |
| 100 | 15685 | 0 | -65.6 | 6.9 | 3 | 80 | 280 | 15 | 100 | 15673 | 0 | -66.4 | 5.8 | 0 | 81 | 284 | 15 | 100 | 15818 | 0 | -63.6 | 10.1 | 0 | 73 | 287 | 11 |
| 150 | 13206 | 0 | -63.0 | 6.4 | 1 | 73 | 278 | 14 | 150 | 13199 | 0 | -64.0 | 5.2 | 0 | 73 | 280 | 13 | 150 | 13321 | 0 | -62.5 | 9.6 | 0 | 54 | 286 | 8 |
| 200 | 11436 | 0 | -62.0 | 6.1 | 1 | 57 | 283 | 12 | 200 | 11439 | 0 | -64.0 | 5.0 | 0 | 60 | 280 | 13 | 200 | 11552 | 0 | -63.7 | 7.7 | 0 | 38 | 274 | 7 |
| 300 | 8888 | 0 | -51.5 | 6.3 | 0 | 48 | 268 | 11 | 300 | 8904 | 0 | -52.7 | 5.4 | 0 | 53 | 276 | 13 | 300 | 9014 | 0 | -53.1 | 7.6 | 0 | 33 | 266 | 6 |
| 500 | 5416 | 0 | -27.0 | 7.1 | 0 | 54 | 257 | 10 | 500 | 5417 | 0 | -27.3 | 7.6 | 0 | 59 | 273 | 10 | 500 | 5526 | 0 | -26.4 | 9.9 | 0 | 42 | 255 | 6 |
| 700 | 2916 | 0 | -11.7 | 7.4 | 0 | 57 | 259 | 7 | 700 | 2919 | 0 | -12.1 | 7.2 | 0 | 67 | 265 | 9 | 700 | 3011 | 0 | -10.1 | 12.4 | 0 | 51 | 245 | 6 |
| 850 | 1412 | 0 | -5.0 | 4.3 | 0 | 58 | 259 | 6 | 850 | 1413 | 0 | -6.0 | 3.4 | 0 | 66 | 263 | 7 | 850 | 1496 | 0 | -4.3 | 6.8 | 0 | 57 | 238 | 6 |
| 1015 | * 8 | | -2.1 | 1.6 | | | | | 1017 | * 4 | | -2.6 | 1.7 | | | | | 1007 | * 157 | | -3.4 | 2.2 | | | | |
| EUROPE - RUSSIAN FEDERATION (EUROPE) MOSKVA (DOLGOPRUDNYJ) 27612 DEC 2008 5545N 03757E OB 0 | | | | | | | | | EUROPE - RUSSIAN FEDERATION (EUROPE) SUHINICHI 27707 DEC 2008 5406N 03521E OB | | | | | | | | | EUROPE - RUSSIAN FEDERATION (EUROPE) RYAZAN' 27730 DEC 2008 5438N 03942E OB | | | | | | | | |
| 030 | 23059 | 0 | -72.9 | 8.2 | 6 | 93 | 275 | 27 | 030 | 23199 | 0 | -70.9 | 8.0 | 5 | 94 | 275 | 26 | 030 | 23086 | 0 | -72.3 | 7.4 | 2 | 93 | 274 | 27 |
| 050 | 20005 | 0 | -68.9 | 8.1 | 4 | 88 | 282 | 18 | 050 | 20135 | 0 | -66.6 | 7.8 | 5 | 89 | 278 | 18 | 050 | 20030 | 0 | -68.0 | 7.8 | 2 | 88 | 282 | 19 |
| 100 | 15810 | 0 | -63.3 | 7.1 | 2 | 66 | 285 | 10 | 100 | 15876 | 0 | -61.6 | 7.3 | 3 | 64 | 285 | 9 | 100 | 15822 | 0 | -62.8 | 7.2 | 2 | 68 | 285 | 11 |
| 150 | 13304 | 0 | -61.9 | 6.4 | 1 | 51 | 289 | 8 | 150 | 13357 | 0 | -60.7 | 6.5 | 2 | 49 | 280 | 8 | 150 | 13318 | 0 | -61.5 | 7.1 | 2 | 51 | 284 | 8 |
| 200 | 11534 | 0 | -62.7 | 5.7 | 1 | 40 | 281 | 7 | 200 | 11568 | 0 | -62.1 | 5.8 | 1 | 36 | 282 | 7 | 200 | 11546 | 0 | -62.9 | 6.9 | 1 | 39 | 277 | 7 |
| 300 | 8997 | 0 | -52.5 | 5.7 | 0 | 37 | 255 | 9 | 300 | 9029 | 0 | -51.7 | 6.0 | 1 | 39 | 262 | 8 | 300 | 9012 | 0 | -52.5 | 7.0 | 1 | 39 | 267 | 7 |
| 500 | 5507 | 0 | -26.1 | 7.6 | 0 | 49 | 244 | 7 | 500 | 5523 | 0 | -25.1 | 8.4 | 0 | 42 | 242 | 6 | 500 | 5522 | 0 | -25.8 | 8.6 | 0 | 37 | 242 | 5 |
| 700 | 2994 | 0 | -9.8 | 8.1 | 0 | 53 | 240 | 6 | 700 | 3000 | 0 | -9.0 | 10.2 | 0 | 45 | 222 | 5 | 700 | 3007 | 0 | -9.5 | 10.5 | 0 | 44 | 222 | 5 |
| 850 | 1477 | 0 | -2.8 | 8.0 | 0 | 57 | 229 | 6 | 850 | 1480 | 0 | -2.2 | 10.3 | 0 | 52 | 207 | 5 | 850 | 1491 | 0 | -3.2 | 9.0 | 0 | 58 | 214 | 6 |
| 1001 | * 200 | | -2.3 | 2.4 | | | | | 995 | * 238 | | -2.9 | 1.7 | | | | | 1006 | * 158 | | -3.2 | 2.2 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-----|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-----|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| EUROPE - RUSSIAN FEDERATION (EUROPE) PENZA 27962 DEC 2008 5307N 04501E OB | | | | | | | | | EUROPE - RUSSIAN FEDERATION (EUROPE) KURSK 34009 DEC 2008 5146N 03610E OB | | | | | | | | | EUROPE - RUSSIAN FEDERATION (EUROPE) VORONEZ 34122 DEC 2008 5139N 03915E OB | | | | | | | | |
| 030 | 23090 | 0 | -70.8 | 8.2 | 1 | 96 | 273 | 28 | 030 | 23264 | 0 | -68.6 | 9.3 | 6 | 95 | 280 | 26 | 030 | 23213 | 0 | -68.9 | 8.7 | 5 | 96 | 273 | 27 |
| 050 | 20039 | 0 | -67.3 | 8.1 | 0 | 92 | 276 | 20 | 050 | 20162 | 0 | -65.4 | 8.9 | 4 | 92 | 284 | 19 | 050 | 20130 | 0 | -65.2 | 8.1 | 2 | 92 | 277 | 18 |
| 100 | 15824 | 0 | -62.3 | 7.4 | 0 | 74 | 285 | 11 | 100 | 15906 | 0 | -60.7 | 8.1 | 4 | 70 | 289 | 10 | 100 | 15880 | 0 | -61.0 | 7.1 | 0 | 70 | 278 | 9 |
| 150 | 13313 | 0 | -61.1 | 6.8 | 0 | 58 | 290 | 8 | 150 | 13384 | 0 | -60.5 | 6.7 | 4 | 55 | 283 | 8 | 150 | 13353 | 0 | -60.7 | 6.0 | 0 | 52 | 282 | 7 |
| 200 | 11542 | 0 | -63.2 | 6.0 | 0 | 37 | 292 | 6 | 200 | 11608 | 0 | -62.8 | 5.8 | 4 | 42 | 279 | 8 | 200 | 11574 | 0 | -62.7 | 5.3 | 1 | 34 | 298 | 6 |
| 300 | 9011 | 0 | -53.3 | 6.4 | 0 | 23 | 312 | 4 | 300 | 9067 | 0 | -51.1 | 6.4 | 4 | 35 | 266 | 7 | 300 | 9029 | 0 | -51.7 | 5.8 | 1 | 26 | 295 | 5 |
| 500 | 5529 | 0 | -26.4 | 8.9 | 0 | 13 | 286 | 2 | 500 | 5554 | 0 | -23.7 | 8.1 | 4 | 33 | 234 | 4 | 500 | 5529 | 0 | -24.9 | 8.5 | 0 | 23 | 241 | 3 |
| 700 | 3018 | 0 | -10.2 | 11.8 | 0 | 20 | 216 | 2 | 700 | 3018 | 0 | -7.9 | 12.0 | 3 | 37 | 205 | 4 | 700 | 3007 | 0 | -8.8 | 11.1 | 0 | 28 | 192 | 3 |
| 850 | 1508 | 0 | -4.2 | 9.0 | 0 | 39 | 206 | 4 | 850 | 1492 | 0 | -1.6 | 10.4 | 2 | 51 | 181 | 5 | 850 | 1487 | 0 | -3.0 | 9.2 | 0 | 44 | 191 | 4 |
| 1008 | * 172 | | -4.0 | 2.8 | | | | | 995 | * 247 | | -3.4 | 2.2 | | | | | 1014 | * 104 | | -2.7 | 3.7 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) OSTROV DIKSON 20674 DEC 2008 7330N 08024E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) HATANGA 20891 DEC 2008 7159N 10220E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) TIKSI 21824 DEC 2008 7135N 12850E OB | | | | | | | | |
| 030 | 22367 | 0 | -77.5 | 6.4 | 2 | 81 | 298 | 10 | 030 | 22333 | 0 | -73.2 | 4.5 | 9 | 44 | 192 | 6 | 030 | 22792 | 0 | -59.6 | 7.2 | 9 | 97 | 188 | 48 |
| 050 | 19423 | 0 | -73.6 | 6.5 | 2 | 84 | 313 | 12 | 050 | 19320 | 0 | -72.2 | 4.4 | 7 | 47 | 263 | 5 | 050 | 19500 | 0 | -62.8 | 6.6 | 9 | 94 | 197 | 25 |
| 100 | 15293 | 0 | -66.0 | 6.2 | 0 | 86 | 323 | 14 | 100 | 15180 | 0 | -63.5 | 4.3 | 3 | 56 | 328 | 5 | 100 | 15207 | 0 | -61.2 | 5.4 | 2 | 84 | 182 | 10 |
| 150 | 12809 | 0 | -62.0 | 5.8 | 0 | 85 | 328 | 15 | 150 | 12682 | 0 | -61.3 | 4.0 | 3 | 67 | 340 | 8 | 150 | 12679 | 0 | -58.6 | 4.8 | 2 | 73 | 168 | 7 |
| 200 | 11022 | 0 | -60.7 | 5.4 | 0 | 82 | 330 | 17 | 200 | 10890 | 0 | -59.7 | 3.6 | 2 | 70 | 344 | 9 | 200 | 10874 | 0 | -57.6 | 4.0 | 1 | 66 | 165 | 7 |
| 300 | 8490 | 0 | -57.2 | 5.1 | 0 | 73 | 331 | 18 | 300 | 8357 | 0 | -59.3 | 3.0 | 2 | 68 | 344 | 11 | 300 | 8324 | 0 | -58.4 | 3.1 | 1 | 55 | 156 | 7 |
| 500 | 5121 | 0 | -37.2 | 5.0 | 0 | 69 | 326 | 12 | 500 | 5046 | 0 | -42.0 | 3.3 | 2 | 56 | 342 | 7 | 500 | 5020 | 0 | -42.0 | 3.6 | 0 | 49 | 160 | 6 |
| 700 | 2727 | 0 | -22.8 | 3.6 | 0 | 63 | 310 | 8 | 700 | 2695 | 0 | -27.7 | 3.1 | 2 | 46 | 331 | 5 | 700 | 2682 | 0 | -29.2 | 3.2 | 0 | 32 | 152 | 3 |
| 850 | 1283 | 0 | -16.2 | 2.0 | 0 | 53 | 292 | 6 | 850 | 1283 | 0 | -22.5 | 3.2 | 2 | 47 | 314 | 4 | 850 | 1284 | 0 | -25.3 | 2.8 | 0 | 28 | 203 | 3 |
| 1002 | * 47 | | -17.1 | 1.6 | | | | | 1009 | * 33 | | -30.2 | 2.3 | | | | | 1015 | * 7 | | -30.2 | 2.3 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) NAR'JAN-MAR 23205 DEC 2008 6738N 05302E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) SALEHARD 23330 DEC 2008 6632N 06640E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) TURUHANSK 23472 DEC 2008 6547N 08756E OB 3 | | | | | | | | |
| 030 | 22697 | 0 | -78.5 | 11.4 | 9 | 96 | 285 | 29 | 030 | 22506 | 0 | -79.1 | 5.3 | 2 | 93 | 288 | 23 | 030 | 22685 | 0 | -72.4 | 5.8 | 9 | 99 | 286 | 26 |
| 050 | 19662 | 0 | -74.4 | 8.2 | 9 | 94 | 284 | 21 | 050 | 19597 | 0 | -74.4 | 5.5 | 0 | 91 | 296 | 21 | 050 | 19508 | 0 | -72.1 | 5.7 | 9 | 93 | 290 | 21 |
| 100 | 15565 | 0 | -66.9 | 8.2 | 0 | 89 | 293 | 19 | 100 | 15493 | 0 | -67.2 | 5.4 | 0 | 91 | 302 | 19 | 100 | 15356 | 0 | -65.6 | 5.5 | 1 | 91 | 310 | 19 |
| 150 | 13097 | 0 | -64.0 | 7.4 | 0 | 85 | 297 | 19 | 150 | 13021 | 0 | -63.5 | 5.2 | 0 | 89 | 304 | 20 | 150 | 12867 | 0 | -62.2 | 5.1 | 1 | 89 | 315 | 19 |
| 200 | 11336 | 0 | -63.8 | 6.5 | 0 | 79 | 300 | 21 | 200 | 11257 | 0 | -63.5 | 4.8 | 0 | 84 | 307 | 22 | 200 | 11086 | 0 | -61.4 | 4.7 | 1 | 87 | 317 | 22 |
| 300 | 8805 | 0 | -53.8 | 6.6 | 0 | 74 | 299 | 21 | 300 | 8735 | 0 | -54.6 | 4.8 | 0 | 80 | 307 | 21 | 300 | 8561 | 0 | -57.6 | 4.0 | 0 | 82 | 315 | 24 |
| 500 | 5345 | 0 | -29.6 | 8.3 | 0 | 74 | 292 | 15 | 500 | 5304 | 0 | -31.4 | 5.3 | 0 | 81 | 303 | 15 | 500 | 5190 | 0 | -36.7 | 4.8 | 0 | 80 | 314 | 16 |
| 700 | 2872 | 0 | -14.4 | 7.6 | 0 | 78 | 284 | 11 | 700 | 2850 | 0 | -16.3 | 6.1 | 0 | 81 | 299 | 11 | 700 | 2792 | 0 | -22.8 | 5.2 | 0 | 73 | 307 | 10 |
| 850 | 1380 | 0 | -8.1 | 5.4 | 0 | 71 | 272 | 8 | 850 | 1372 | 0 | -9.7 | 4.2 | 0 | 72 | 297 | 9 | 850 | 1350 | 0 | -17.5 | 3.8 | 0 | 58 | 294 | 6 |
| 1013 | * 12 | | -5.5 | 1.9 | | | | | 1014 | * 16 | | -12.7 | 2.0 | | | | | 1014 | * 38 | | -23.7 | 3.9 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| ASIA - RUSSIAN FEDERATION (ASIA) SYKTYVKAR 23804 DEC 2008 6140N 05051E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) IVDEL' 23921 DEC 2008 6041N 06027E OB | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) HANTY-MANSIJSK 23933 DEC 2008 6101N 06902E OB 3 | | | | | | | | |
| 030 | 22959 | 0 | -74.5 | 8.0 | 9 | 97 | 274 | 33 | 030 | 22991 | 0 | -73.8 | 6.7 | 9 | 98 | 281 | 28 | 030 | 22705 | 0 | -74.5 | 7.0 | 9 | 97 | 261 | 32 |
| 050 | 19831 | 0 | -72.5 | 6.8 | 7 | 90 | 282 | 21 | 050 | 19826 | 0 | -72.1 | 6.1 | 3 | 93 | 285 | 22 | 050 | 19799 | 0 | -71.6 | 7.1 | 9 | 94 | 288 | 25 |
| 100 | 15671 | 0 | -66.4 | 6.4 | 0 | 86 | 288 | 16 | 100 | 15672 | 0 | -65.6 | 5.8 | 0 | 87 | 294 | 16 | 100 | 15631 | 0 | -65.4 | 6.9 | 2 | 92 | 300 | 20 |
| 150 | 13199 | 0 | -64.3 | 5.8 | 0 | 77 | 287 | 14 | 150 | 13195 | 0 | -64.3 | 5.3 | 0 | 81 | 298 | 15 | 150 | 13147 | 0 | -63.6 | 6.8 | 1 | 90 | 306 | 19 |
| 200 | 11440 | 0 | -65.1 | 5.3 | 0 | 66 | 285 | 13 | 200 | 11441 | 0 | -65.3 | 4.9 | 0 | 71 | 300 | 16 | 200 | 11382 | 0 | -64.7 | 6.5 | 1 | 83 | 307 | 20 |
| 300 | 8917 | 0 | -53.7 | 5.6 | 0 | 58 | 275 | 14 | 300 | 8920 | 0 | -53.2 | 5.3 | 0 | 59 | 301 | 15 | 300 | 8860 | 0 | -53.7 | 6.7 | 1 | 72 | 310 | 18 |
| 500 | 5445 | 0 | -28.1 | 8.4 | 0 | 65 | 277 | 11 | 500 | 5447 | 0 | -27.7 | 7.9 | 0 | 70 | 296 | 13 | 500 | 5404 | 0 | -30.2 | 6.8 | 1 | 83 | 304 | 15 |
| 700 | 2952 | 0 | -12.9 | 8.5 | 0 | 73 | 267 | 10 | 700 | 2956 | 0 | -12.8 | 7.7 | 0 | 76 | 295 | 9 | 700 | 2934 | 0 | -15.1 | 6.3 | 1 | 87 | 298 | 11 |
| 850 | 1453 | 0 | -6.5 | 5.9 | 0 | 74 | 262 | 9 | 850 | 1458 | 0 | -5.7 | 7.4 | 0 | 75 | 300 | 7 | 850 | 1444 | 0 | -7.8 | 5.4 | 1 | 82 | 290 | 8 |
| 1009 | * 116 | | -5.2 | 1.7 | | | | | 1012 | * 95 | | -9.7 | 3.5 | | | | | 1016 | * 46 | | -12.1 | 1.5 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) OLENEK 24125 DEC 2008 6830N 11220E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) VERHOJANSK 24266 DEC 2008 6734N 13320E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) ZHIGANSK 24343 DEC 2008 6646N 12320E OB | | | | | | | | |
| 030 | 22533 | 0 | -66.7 | 4.9 | 9 | 86 | 202 | 21 | 030 | 22806 | 0 | -57.6 | 6.8 | 8 | 94 | 204 | 45 | 030 | 22607 | 0 | -61.9 | 6.4 | 8 | 90 | 209 | 33 |
| 050 | 19347 | 0 | -68.2 | 5.0 | 3 | 73 | 233 | 10 | 050 | 19567 | 0 | -60.0 | 6.0 | 0 | 93 | 205 | 28 | 050 | 19420 | 0 | -64.3 | 5.9 | 0 | 86 | 213 | 19 |
| 100 | 15163 | 0 | -63.6 | 4.7 | 1 | 53 | 288 | 5 | 100 | 15250 | 0 | -58.8 | 5.1 | 0 | 90 | 197 | 14 | 100 | 15168 | 0 | -61.2 | 5.6 | 0 | 66 | 216 | 7 |
| 150 | 12652 | 0 | -60.0 | 4.3 | 1 | 56 | 317 | 5 | 150 | 12698 | 0 | -57.3 | 4.4 | 0 | 81 | 188 | 10 | 150 | 12643 | 0 | -58.6 | 5.2 | 0 | 37 | 239 | 3 |
| 200 | 10853 | 0 | -58.6 | 3.9 | 1 | 62 | 330 | 7 | 200 | 10875 | 0 | -57.1 | 3.9 | 0 | 73 | 178 | 8 | 200 | 10836 | 0 | -57.9 | 4.6 | 0 | 24 | 244 | 2 |
| 300 | 8318 | 0 | -59.6 | 3.6 | 0 | 58 | 339 | 8 | 300 | 8320 | 0 | -58.1 | 3.4 | 0 | 58 | 169 | 8 | 300 | 8296 | 0 | -59.7 | 3.7 | 0 | 15 | 308 | 2 |
| 500 | 5009 | 0 | -41.4 | 3.3 | 0 | 53 | 341 | 6 | 500 | 5011 | 0 | -41.7 | 3.6 | 0 | 45 | 168 | 5 | 500 | 5006 | 0 | -42.9 | 3.8 | 0 | 17 | 313 | 2 |
| 700 | 2664 | 0 | -28.5 | 3.3 | 0 | 41 | 330 | 4 | 700 | 2668 | 0 | -29.4 | 3.6 | 0 | 13 | 173 | 1 | 700 | 2678 | 0 | -31.1 | 3.5 | 0 | 15 | 242 | 1 |
| 850 | 1264 | 0 | -25.6 | 2.8 | 0 | 38 | 293 | 3 | 850 | 1278 | 0 | -28.3 | 2.2 | 0 | 21 | 229 | 1 | 850 | 1294 | 0 | -28.7 | 3.6 | 0 | 42 | 200 | 3 |
| 987 | * 220 | | -36.5 | 3.6 | | | | | 1002 | * 138 | | -47.3 | 2.4 | | | | | 1011 | * 92 | | -41.3 | 2.7 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) TURA 24507 DEC 2008 6416N 10010E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) VANAVARA 24908 DEC 2008 6020N 10210E OB | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) JAKUTSK 24959 DEC 2008 6201N 12940E OB 0 | | | | | | | | |
| 030 | | | | | | | | | 030 | 22780 | 0 | -65.0 | 5.7 | 9 | 96 | 271 | 33 | 030 | 22896 | 0 | -52.3 | 11.2 | 5 | 94 | 216 | 41 |
| 050 | 19450 | 0 | -69.6 | 11.0 | 9 | 86 | 254 | 19 | 050 | 19601 | 0 | -65.6 | 5.5 | 4 | 94 | 278 | 26 | 050 | 19611 | 0 | -55.8 | 9.0 | 0 | 92 | 220 | 29 |
| 100 | 15289 | 0 | -64.1 | 17.4 | 9 | 82 | 301 | 15 | 100 | 15356 | 0 | -62.5 | 4.9 | 0 | 90 | 306 | 18 | 100 | 15228 | 0 | -57.4 | 6.7 | 0 | 87 | 222 | 13 |
| 150 | 12779 | 0 | -61.3 | 17.1 | 3 | 85 | 308 | 17 | 150 | 12845 | 0 | -60.7 | 4.3 | 0 | 89 | 316 | 19 | 150 | 12669 | 0 | -56.9 | 5.5 | 0 | 75 | 226 | 8 |
| 200 | 10984 | 0 | -60.3 | 15.6 | 1 | 84 | 319 | 19 | 200 | 11053 | 0 | -60.5 | 3.7 | 0 | 89 | 318 | 20 | 200 | 10847 | 0 | -57.0 | 4.5 | 0 | 56 | 236 | 6 |
| 300 | 8453 | 0 | -58.7 | 9.3 | 1 | 81 | 318 | 20 | 300 | 8523 | 0 | -58.3 | 3.4 | 0 | 85 | 322 | 23 | 300 | 8295 | 0 | -59.7 | 3.9 | 0 | 30 | 261 | 4 |
| 500 | 5119 | 0 | -40.0 | 6.9 | 1 | 78 | 315 | 15 | 500 | 5174 | 0 | -38.7 | 3.6 | 0 | 83 | 318 | 17 | 500 | 5009 | 0 | -43.8 | 3.8 | 0 | 27 | 261 | 3 |
| 700 | 2752 | 0 | -27.4 | 6.2 | 0 | 73 | 318 | 10 | 700 | 2794 | 0 | -24.8 | 3.5 | 0 | 84 | 315 | 12 | 700 | 2684 | 0 | -31.0 | 4.0 | 0 | 47 | 286 | 4 |
| 850 | 1340 | 0 | -22.8 | 5.1 | 0 | 66 | 316 | 7 | 850 | 1367 | 0 | -20.9 | 2.6 | 0 | 78 | 304 | 9 | 850 | 1299 | 0 | -29.8 | 2.6 | 0 | 62 | 282 | 4 |
| 997 | * 168 | | -33.0 | 6.1 | | | | | 989 | * 260 | | -27.9 | 2.1 | | | | | 1009 | * 101 | | -41.5 | 2.3 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| ASIA - RUSSIAN FEDERATION (ASIA) ZYRYANKA 25400 DEC 2008 6544N 15050E OB | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) SEJMCCHAN 25703 DEC 2008 6255N 15220E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) MAGADAN 25913 DEC 2008 5933N 15040E OB | | | | | | | | |
| 030 | 23245 | 0 | -52.0 | 16.0 | 5 | 94 | 211 | 39 | 030 | 23368 | 0 | -49.3 | 13.1 | 0 | 94 | 219 | 31 | 030 | 23488 | 0 | -47.6 | 13.0 | 3 | 95 | 215 | 27 |
| 050 | 19932 | 0 | -52.0 | 14.1 | 4 | 94 | 208 | 34 | 050 | 20028 | 0 | -49.7 | 11.7 | 0 | 94 | 215 | 29 | 050 | 20123 | 0 | -48.1 | 11.8 | 2 | 95 | 214 | 27 |
| 100 | 15460 | 0 | -53.5 | 10.2 | 0 | 94 | 202 | 23 | 100 | 15522 | 0 | -51.7 | 9.5 | 0 | 95 | 210 | 23 | 100 | 15576 | 0 | -49.3 | 9.5 | 1 | 96 | 212 | 23 |
| 150 | 12859 | 0 | -54.4 | 8.0 | 0 | 91 | 197 | 20 | 150 | 12905 | 0 | -53.5 | 7.9 | 0 | 94 | 205 | 20 | 150 | 12929 | 0 | -51.2 | 7.9 | 1 | 94 | 211 | 20 |
| 200 | 11023 | 0 | -55.2 | 6.4 | 1 | 86 | 195 | 18 | 200 | 11064 | 0 | -54.6 | 6.6 | 0 | 90 | 204 | 21 | 200 | 11080 | 0 | -53.0 | 6.4 | 0 | 88 | 205 | 19 |
| 300 | 8449 | 0 | -56.0 | 5.0 | 0 | 78 | 187 | 19 | 300 | 8481 | 0 | -54.9 | 5.2 | 0 | 84 | 198 | 22 | 300 | 8482 | 0 | -54.5 | 4.6 | 0 | 81 | 201 | 21 |
| 500 | 5091 | 0 | -38.5 | 4.8 | 0 | 62 | 183 | 10 | 500 | 5117 | 0 | -38.0 | 5.8 | 0 | 76 | 193 | 14 | 500 | 5125 | 0 | -37.7 | 3.9 | 0 | 76 | 195 | 15 |
| 700 | 2708 | 0 | -24.1 | 4.1 | 0 | 48 | 181 | 5 | 700 | 2731 | 0 | -23.4 | 5.4 | 0 | 73 | 193 | 8 | 700 | 2737 | 0 | -22.8 | 4.3 | 0 | 71 | 182 | 9 |
| 850 | 1283 | 0 | -21.7 | 2.1 | 0 | 22 | 233 | 2 | 850 | 1301 | 0 | -19.8 | 4.2 | 0 | 40 | 197 | 4 | 850 | 1292 | 0 | -14.8 | 3.5 | 0 | 35 | 155 | 4 |
| 1010 | * 43 | | -35.2 | 2.6 | | | | | 988 | * 205 | | -35.7 | 3.3 | | | | | 992 | * 116 | | -10.9 | 3.2 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) VERHNEE DUBROVO 28445 DEC 2008 5644N 06104E OB 0 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) OMSK 28698 DEC 2008 5456N 07324E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) KOLPASEVO 29231 DEC 2008 5819N 08257E OB 3 | | | | | | | | |
| 030 | 23145 | 0 | -71.4 | 6.0 | 9 | 95 | 277 | 27 | 030 | 22942 | 0 | -69.3 | 8.5 | 9 | 97 | 264 | 34 | 030 | 22950 | 0 | -68.3 | 8.1 | 9 | 93 | 276 | 34 |
| 050 | 19975 | 0 | -69.6 | 5.6 | 0 | 93 | 283 | 21 | 050 | 19896 | 0 | -67.8 | 7.6 | 3 | 96 | 275 | 25 | 050 | 19824 | 0 | -68.3 | 6.7 | 4 | 91 | 282 | 26 |
| 100 | 15759 | 0 | -64.3 | 5.6 | 0 | 85 | 294 | 14 | 100 | 15703 | 0 | -63.3 | 7.7 | 1 | 94 | 287 | 18 | 100 | 15610 | 0 | -63.7 | 6.2 | 0 | 92 | 299 | 21 |
| 150 | 13268 | 0 | -63.3 | 4.5 | 0 | 75 | 300 | 11 | 150 | 13193 | 0 | -62.3 | 7.4 | 0 | 88 | 292 | 14 | 150 | 13112 | 0 | -62.2 | 5.4 | 0 | 89 | 304 | 19 |
| 200 | 11509 | 0 | -64.5 | 4.1 | 0 | 56 | 310 | 11 | 200 | 11425 | 0 | -63.5 | 7.0 | 0 | 70 | 303 | 13 | 200 | 11339 | 0 | -63.4 | 4.9 | 0 | 79 | 308 | 19 |
| 300 | 8985 | 0 | -53.2 | 4.5 | 0 | 42 | 319 | 9 | 300 | 8901 | 0 | -54.2 | 7.1 | 0 | 49 | 314 | 11 | 300 | 8822 | 0 | -54.9 | 5.0 | 0 | 72 | 309 | 19 |
| 500 | 5507 | 0 | -27.6 | 7.0 | 0 | 47 | 309 | 8 | 500 | 5453 | 0 | -29.9 | 8.3 | 0 | 58 | 301 | 10 | 500 | 5378 | 0 | -31.2 | 6.0 | 0 | 76 | 301 | 15 |
| 700 | 3008 | 0 | -12.2 | 7.4 | 0 | 59 | 300 | 7 | 700 | 2981 | 0 | -14.0 | 9.3 | 0 | 63 | 296 | 8 | 700 | 2920 | 0 | -16.9 | 6.4 | 0 | 80 | 292 | 11 |
| 850 | 1503 | 0 | -5.7 | 6.2 | 0 | 75 | 294 | 9 | 850 | 1493 | 0 | -8.1 | 5.8 | 0 | 63 | 290 | 6 | 850 | 1444 | 0 | -11.1 | 4.7 | 1 | 80 | 283 | 9 |
| 993 | * 290 | | -7.7 | 2.7 | | | | | 1019 | * 90 | | -11.2 | 3.0 | | | | | 1017 | * 75 | | -17.3 | 2.4 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) EMEL'JANOVO 29572 DEC 2008 5611N 09237E OB 0 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) NOVOSIBIRSK 29634 DEC 2008 5505N 08254E OB | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) HAKASSKAJA 29862 DEC 2008 5346N 09119E OB | | | | | | | | |
| 030 | 22953 | 0 | -63.8 | 7.5 | 9 | 97 | 269 | 35 | 030 | 23072 | 0 | -67.2 | 7.9 | 9 | 94 | 276 | 34 | 030 | 23107 | 0 | -62.1 | 7.9 | 9 | 97 | 267 | 35 |
| 050 | 19805 | 0 | -64.7 | 6.4 | 9 | 96 | 277 | 29 | 050 | 19930 | 0 | -66.5 | 7.2 | 0 | 95 | 283 | 29 | 050 | 19934 | 0 | -62.4 | 6.8 | 7 | 95 | 275 | 29 |
| 100 | 15547 | 0 | -62.4 | 5.7 | 5 | 91 | 294 | 22 | 100 | 15692 | 0 | -62.6 | 6.5 | 0 | 94 | 296 | 22 | 100 | 15642 | 0 | -60.9 | 6.2 | 7 | 93 | 289 | 22 |
| 150 | 13025 | 0 | -61.4 | 5.0 | 5 | 89 | 302 | 19 | 150 | 13183 | 0 | -61.6 | 5.6 | 0 | 91 | 300 | 20 | 150 | 13117 | 0 | -60.2 | 5.7 | 7 | 91 | 292 | 20 |
| 200 | 11248 | 0 | -63.3 | 4.6 | 4 | 84 | 308 | 20 | 200 | 11410 | 0 | -63.0 | 5.0 | 0 | 79 | 306 | 18 | 200 | 11332 | 0 | -62.1 | 5.3 | 7 | 82 | 299 | 19 |
| 300 | 8736 | 0 | -56.9 | 4.6 | 4 | 73 | 313 | 19 | 300 | 8886 | 0 | -54.5 | 5.2 | 0 | 60 | 308 | 15 | 300 | 8808 | 0 | -56.1 | 5.5 | 7 | 68 | 303 | 17 |
| 500 | 5335 | 0 | -34.0 | 5.8 | 4 | 78 | 303 | 15 | 500 | 5435 | 0 | -30.2 | 7.7 | 0 | 69 | 299 | 13 | 500 | 5394 | 0 | -33.3 | 6.0 | 7 | 78 | 294 | 14 |
| 700 | 2908 | 0 | -20.6 | 5.7 | 4 | 87 | 290 | 13 | 700 | 2964 | 0 | -15.4 | 7.0 | 0 | 75 | 292 | 10 | 700 | 2955 | 0 | -18.6 | 8.1 | 7 | 86 | 291 | 11 |
| 850 | 1456 | 0 | -15.5 | 4.8 | 4 | 90 | 281 | 12 | 850 | 1482 | 0 | -10.6 | 6.3 | 0 | 75 | 278 | 9 | 850 | 1488 | 0 | -11.8 | 6.8 | 7 | 83 | 275 | 7 |
| 1004 | * 206 | | -17.9 | 4.0 | | | | | 1012 | * 176 | | -13.9 | 2.9 | | | | | 1000 | * 256 | | -18.5 | 3.3 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| ASIA - RUSSIAN FEDERATION (ASIA) KIRENSK 30230 DEC 2008 5746N 10800E OB 0 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) CHARA 30372 DEC 2008 5654N 11810E OB | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) CHITA 30758 DEC 2008 5205N 11320E OB 0 | | | | | | | | |
| 030 | 22984 | 0 | -59.9 | 8.0 | 9 | 94 | 259 | 33 | 030 | 23003 | 0 | -53.6 | 19.0 | 2 | 93 | 239 | 34 | 030 | 23205 | 0 | -51.5 | 13.2 | 9 | 98 | 249 | 35 |
| 050 | 19721 | 0 | -62.1 | 6.8 | 5 | 93 | 269 | 24 | 050 | 19735 | 0 | -55.8 | 13.1 | 1 | 93 | 251 | 25 | 050 | 19919 | 0 | -54.1 | 11.5 | 9 | 99 | 257 | 28 |
| 100 | 15417 | 0 | -60.2 | 5.8 | 5 | 90 | 294 | 18 | 100 | 15347 | 0 | -57.3 | 8.7 | 0 | 88 | 274 | 15 | 100 | 15473 | 0 | -56.1 | 9.0 | 7 | 96 | 276 | 23 |
| 150 | 12883 | 0 | -59.4 | 5.1 | 4 | 91 | 307 | 18 | 150 | 12781 | 0 | -57.0 | 7.5 | 0 | 86 | 293 | 13 | 150 | 12893 | 0 | -56.4 | 7.4 | 2 | 95 | 288 | 22 |
| 200 | 11083 | 0 | -60.3 | 4.3 | 4 | 89 | 313 | 20 | 200 | 10961 | 0 | -57.8 | 6.8 | 0 | 84 | 307 | 14 | 200 | 11077 | 0 | -57.5 | 6.2 | 2 | 92 | 294 | 20 |
| 300 | 8557 | 0 | -58.1 | 3.9 | 4 | 89 | 316 | 24 | 300 | 8425 | 0 | -59.4 | 2.6 | 0 | 80 | 313 | 15 | 300 | 8542 | 0 | -58.2 | 4.8 | 0 | 87 | 305 | 21 |
| 500 | 5198 | 0 | -38.0 | 3.9 | 4 | 88 | 310 | 17 | 500 | 5107 | 0 | -41.4 | 6.4 | 0 | 78 | 315 | 12 | 500 | 5213 | 0 | -38.5 | 6.1 | 0 | 85 | 317 | 16 |
| 700 | 2813 | 0 | -25.0 | 3.0 | 4 | 91 | 300 | 12 | 700 | 2758 | 0 | -29.1 | 4.8 | 0 | 85 | 321 | 8 | 700 | 2831 | 0 | -23.9 | 5.7 | 0 | 88 | 316 | 12 |
| 850 | 1388 | 0 | -21.4 | 2.6 | 3 | 90 | 277 | 10 | 850 | 1353 | 0 | -23.5 | 5.0 | 0 | 71 | 232 | 3 | 850 | 1401 | 0 | -18.2 | 4.8 | 0 | 87 | 300 | 8 |
| 991 | * 259 | | -21.0 | 2.5 | | | | | 929 | * 711 | | -31.8 | 3.6 | | | | | 937 | * 671 | | -19.9 | 4.3 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) ALDAN 31004 DEC 2008 5837N 12520E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) OHOTSK 31088 DEC 2008 5922N 14310E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) AYAN 31168 DEC 2008 5627N 13800E OB | | | | | | | | |
| 030 | 23036 | 0 | -50.3 | 9.3 | 3 | 93 | 226 | 39 | 030 | 23363 | 0 | -48.8 | 12.5 | 0 | 94 | 217 | 31 | 030 | 23483 | 0 | -46.7 | 14.6 | 9 | 94 | 226 | 22 |
| 050 | 19738 | 0 | -53.4 | 7.2 | 1 | 92 | 232 | 27 | 050 | 20007 | 0 | -48.5 | 11.3 | 0 | 95 | 217 | 29 | 050 | 20090 | 0 | -48.9 | 10.9 | 9 | 96 | 232 | 20 |
| 100 | 15320 | 0 | -55.8 | 5.6 | 1 | 84 | 247 | 13 | 100 | 15478 | 0 | -51.1 | 9.0 | 0 | 97 | 215 | 22 | 100 | 15515 | 0 | -50.6 | 9.5 | 9 | 98 | 235 | 19 |
| 150 | 12738 | 0 | -55.8 | 4.5 | 1 | 75 | 266 | 10 | 150 | 12850 | 0 | -52.2 | 7.6 | 0 | 94 | 208 | 18 | 150 | 12881 | 0 | -51.8 | 8.0 | 7 | 93 | 223 | 16 |
| 200 | 10917 | 0 | -56.1 | 4.1 | 0 | 66 | 284 | 8 | 200 | 10999 | 0 | -53.5 | 6.3 | 0 | 87 | 207 | 16 | 200 | 11013 | 0 | -52.7 | 7.1 | 6 | 82 | 224 | 13 |
| 300 | 8364 | 0 | -58.9 | 3.6 | 0 | 61 | 307 | 9 | 300 | 8406 | 0 | -55.4 | 4.3 | 0 | 78 | 201 | 14 | 300 | 8426 | 0 | -56.6 | 3.1 | 5 | 61 | 220 | 12 |
| 500 | 5056 | 0 | -42.1 | 3.3 | 0 | 65 | 303 | 8 | 500 | 5069 | 0 | -40.0 | 4.3 | 0 | 55 | 189 | 7 | 500 | 5075 | 0 | -40.5 | 2.6 | 3 | 39 | 245 | 6 |
| 700 | 2720 | 0 | -30.2 | 2.6 | 0 | 79 | 305 | 8 | 700 | 2701 | 0 | -25.4 | 4.6 | 0 | 41 | 180 | 4 | 700 | 2705 | 0 | -26.8 | 4.7 | 2 | 26 | 287 | 2 |
| 850 | 1337 | 0 | -28.1 | 1.9 | 0 | 80 | 289 | 6 | 850 | 1274 | 0 | -18.2 | 4.6 | 0 | 26 | 105 | 2 | 850 | 1282 | 0 | -21.5 | 5.2 | 3 | 53 | 348 | 5 |
| 932 | * 679 | | -29.9 | 2.9 | | | | | 1007 | * 6 | | -20.1 | 3.7 | | | | | 1009 | * 8 | | -18.1 | 6.8 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) BLAGOVESHCHENSK 31510 DEC 2008 5032N 12730E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) HABAROVSK 31736 DEC 2008 4832N 13510E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) VLADIVOSTOK (SAD GOROD) 31977 DEC 2008 4316N 13200E OB 3 | | | | | | | | |
| 030 | 23405 | 0 | -47.9 | 13.6 | 7 | 95 | 233 | 22 | 030 | 23548 | 0 | -49.5 | 13.9 | 9 | 83 | 235 | 11 | 030 | 23633 | 0 | -52.1 | 12.6 | 5 | 90 | 240 | 14 |
| 050 | 20054 | 0 | -50.2 | 11.7 | 1 | 94 | 241 | 24 | 050 | 20221 | 0 | -50.4 | 12.2 | 7 | 95 | 238 | 18 | 050 | 20338 | 0 | -53.4 | 11.7 | 1 | 94 | 249 | 21 |
| 100 | 15554 | 0 | -51.4 | 9.0 | 1 | 94 | 254 | 23 | 100 | 15705 | 0 | -50.3 | 9.3 | 3 | 95 | 245 | 24 | 100 | 15874 | 0 | -52.3 | 10.5 | 0 | 95 | 257 | 32 |
| 150 | 12927 | 0 | -51.6 | 7.8 | 0 | 93 | 262 | 21 | 150 | 13041 | 0 | -50.6 | 7.6 | 0 | 95 | 250 | 25 | 150 | 13244 | 0 | -51.4 | 9.4 | 0 | 96 | 258 | 36 |
| 200 | 11070 | 0 | -53.0 | 6.6 | 0 | 88 | 267 | 19 | 200 | 11169 | 0 | -51.5 | 6.3 | 0 | 90 | 249 | 24 | 200 | 11380 | 0 | -52.5 | 8.3 | 0 | 96 | 260 | 36 |
| 300 | 8482 | 0 | -56.3 | 5.5 | 0 | 78 | 279 | 17 | 300 | 8559 | 0 | -53.5 | 5.6 | 0 | 79 | 253 | 22 | 300 | 8755 | 0 | -50.5 | 7.1 | 0 | 91 | 264 | 34 |
| 500 | 5141 | 0 | -39.0 | 5.6 | 0 | 75 | 291 | 13 | 500 | 5169 | 0 | -36.6 | 5.3 | 0 | 73 | 262 | 15 | 500 | 5308 | 0 | -32.5 | 7.7 | 0 | 86 | 269 | 23 |
| 700 | 2765 | 0 | -24.7 | 5.9 | 0 | 72 | 304 | 9 | 700 | 2775 | 0 | -23.5 | 4.9 | 0 | 71 | 265 | 10 | 700 | 2873 | 0 | -19.1 | 7.6 | 0 | 85 | 280 | 14 |
| 850 | 1340 | 0 | -20.0 | 5.9 | 0 | 68 | 321 | 7 | 850 | 1341 | 0 | -18.0 | 4.2 | 0 | 67 | 260 | 8 | 850 | 1411 | 0 | -13.4 | 6.5 | 0 | 69 | 304 | 10 |
| 996 | * 177 | | -22.1 | 4.7 | | | | | 1007 | * 72 | | -17.6 | 4.0 | | | | | 1009 | * 82 | | -8.6 | 5.7 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| ASIA - RUSSIAN FEDERATION (ASIA) ALEKSANDROVSK-SAHALINSKIJ 32061 DEC 2008 5054N 14210E OB | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) JUZHNO-SAHALINSK 32150 DEC 2008 4657N 14240E OB 1 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) KLJUCHI 32389 DEC 2008 5619N 16050E OB | | | | | | | | |
| 030 | 23571 | 0 | -49.0 | 16.9 | 0 | 94 | 218 | 17 | 030 | 23555 | 0 | -51.0 | 12.5 | 9 | 91 | 215 | 11 | 030 | 23696 | 0 | -47.8 | 16.4 | 1 | 91 | 209 | 18 |
| 050 | 20223 | 0 | -50.2 | 14.3 | 0 | 96 | 229 | 20 | 050 | 20237 | 0 | -52.8 | 11.5 | 9 | 89 | 235 | 13 | 050 | 20340 | 0 | -49.3 | 14.6 | 1 | 92 | 217 | 17 |
| 100 | 15686 | 0 | -49.0 | 10.7 | 0 | 95 | 238 | 24 | 100 | 15776 | 0 | -50.3 | 11.1 | 9 | 94 | 249 | 24 | 100 | 15798 | 0 | -48.3 | 11.6 | 1 | 94 | 222 | 20 |
| 150 | 13032 | 0 | -50.6 | 8.5 | 0 | 93 | 240 | 25 | 150 | 13130 | 0 | -48.8 | 9.8 | 6 | 96 | 250 | 27 | 150 | 13147 | 0 | -50.5 | 9.1 | 0 | 89 | 220 | 20 |
| 200 | 11163 | 0 | -51.7 | 7.0 | 0 | 89 | 240 | 23 | 200 | 11250 | 0 | -50.3 | 8.5 | 4 | 94 | 248 | 28 | 200 | 11282 | 0 | -53.1 | 7.6 | 0 | 80 | 219 | 21 |
| 300 | 8548 | 0 | -53.7 | 5.7 | 0 | 77 | 240 | 24 | 300 | 8647 | 0 | -52.0 | 6.7 | 1 | 81 | 249 | 26 | 300 | 8684 | 0 | -52.4 | 6.5 | 0 | 67 | 219 | 21 |
| 500 | 5157 | 0 | -36.1 | 5.5 | 0 | 65 | 244 | 15 | 500 | 5234 | 0 | -33.1 | 7.3 | 0 | 79 | 251 | 20 | 500 | 5255 | 0 | -32.7 | 6.4 | 0 | 62 | 215 | 12 |
| 700 | 2753 | 0 | -22.7 | 3.6 | 0 | 59 | 257 | 9 | 700 | 2800 | 0 | -18.8 | 6.8 | 0 | 77 | 257 | 15 | 700 | 2817 | 0 | -18.2 | 6.3 | 0 | 50 | 198 | 7 |
| 850 | 1313 | 0 | -16.9 | 2.4 | 0 | 44 | 265 | 5 | 850 | 1338 | 0 | -12.4 | 3.5 | 0 | 63 | 270 | 9 | 850 | 1350 | 0 | -10.8 | 5.8 | 0 | 28 | 170 | 3 |
| 1006 | * 31 | | -10.1 | 3.2 | | | | | 1008 | * 24 | | -6.3 | 2.2 | | | | | 1006 | * 29 | | -11.2 | 2.4 | | | | |
| ASIA - RUSSIAN FEDERATION (ASIA) PETROPAVLOVSK-KAMCHATSKIJ 32540 DEC 2008 5305N 15830E OB 3 | | | | | | | | | ASIA - RUSSIAN FEDERATION (ASIA) ORENBURG 35121 DEC 2008 5141N 05506E OB 3 | | | | | | | | | ASIA - UNITED ARAB EMIRATES ABU DHABI INTER. AIRPORT 41217 DEC 2008 2426N 05439E OB 3 | | | | | | | | |
| 030 | 23709 | 0 | -49.2 | 18.3 | 1 | 92 | 205 | 15 | 030 | 23139 | 0 | -69.5 | 12.3 | 2 | 96 | 273 | 29 | 030 | 23692 | 0 | -59.7 | 30.9 | 9 | 99 | 79 | 7 |
| 050 | 20369 | 0 | -49.6 | 16.7 | 0 | 95 | 218 | 17 | 050 | 20068 | 0 | -66.6 | 11.4 | 0 | 94 | 275 | 21 | 050 | 20506 | 0 | -65.9 | 24.7 | 8 | 38 | 274 | 2 |
| 100 | 15834 | 0 | -48.6 | 13.2 | 0 | 91 | 231 | 21 | 100 | 15835 | 0 | -62.1 | 9.8 | 0 | 82 | 282 | 12 | 100 | 16414 | 0 | -70.9 | 20.4 | 5 | 96 | 260 | 26 |
| 150 | 13182 | 0 | -50.3 | 10.6 | 0 | 83 | 229 | 21 | 150 | 13320 | 0 | -60.8 | 8.5 | 0 | 65 | 298 | 8 | 150 | 13954 | 0 | -60.1 | 25.1 | 5 | 97 | 264 | 37 |
| 200 | 11316 | 0 | -52.2 | 8.8 | 0 | 78 | 234 | 22 | 200 | 11535 | 0 | -61.6 | 7.6 | 0 | 37 | 328 | 5 | 200 | 12129 | 0 | -52.9 | 24.5 | 5 | 96 | 268 | 37 |
| 300 | 8708 | 0 | -51.4 | 7.5 | 0 | 68 | 227 | 23 | 300 | 8985 | 0 | -53.2 | 7.1 | 0 | 32 | 38 | 5 | 300 | 9444 | 0 | -39.7 | 23.5 | 5 | 92 | 271 | 29 |
| 500 | 5261 | 0 | -31.5 | 6.7 | 0 | 61 | 223 | 15 | 500 | 5516 | 0 | -28.6 | 8.0 | 0 | 25 | 40 | 3 | 500 | 5765 | 0 | -13.9 | 27.9 | 5 | 91 | 272 | 16 |
| 700 | 2817 | 0 | -17.6 | 4.5 | 0 | 43 | 229 | 8 | 700 | 3031 | 0 | -12.7 | 9.5 | 0 | 10 | 205 | 1 | 700 | 3126 | 0 | 3.5 | 25.9 | 5 | 77 | 280 | 7 |
| 850 | 1346 | 0 | -9.8 | 3.5 | 0 | 17 | 217 | 2 | 850 | 1528 | 0 | -5.2 | 9.1 | 0 | 22 | 188 | 2 | 850 | 1526 | 0 | 12.4 | 22.7 | 5 | 75 | 306 | 5 |
| 999 | * 84 | | -4.1 | 4.9 | | | | | 1017 | * 117 | | -7.4 | 4.1 | | | | | 1014 | * 27 | | 15.7 | 4.1 | | | | |
| ASIA - OMAN SEEB, INT'L AIRPORT 41256 DEC 2008 2335N 05817E OB 1 | | | | | | | | | ASIA - INDIA NEW DELHI/SAFDARJUNG 42182 DEC 2008 2835N 07712E OB 3 | | | | | | | | | ASIA - INDIA JODHPUR 42339 DEC 2008 2618N 07301E OB 3 | | | | | | | | |
| 030 | 23670 | 0 | -55.7 | 7.8 | 9 | 55 | 36 | 7 | 030 | | | | | | | | | 030 | | | | | | | | |
| 050 | 20478 | 0 | -67.2 | 23.4 | 5 | 39 | 245 | 7 | 050 | | | | | | | | | 050 | | | | | | | | |
| 100 | 16427 | 0 | -73.2 | 17.3 | 2 | 97 | 256 | 28 | 100 | 16351 | 0 | -70.3 | 13.2 | 0 | 87 | 273 | 18 | 100 | | | | | | | | |
| 150 | 13988 | 0 | -61.8 | 20.5 | 2 | 94 | 258 | 38 | 150 | 13993 | 0 | -62.8 | 13.4 | 0 | 92 | 277 | 35 | 150 | | | | | | | | |
| 200 | 12171 | 0 | -53.0 | 21.0 | 2 | 94 | 256 | 40 | 200 | 12082 | 0 | -55.0 | 14.1 | 0 | 94 | 275 | 44 | 200 | 12247 | 0 | -51.7 | 17.4 | | | | |
| 300 | 9480 | 0 | -39.0 | 23.0 | 2 | 95 | 258 | 34 | 300 | 9452 | 0 | -40.1 | 16.2 | 0 | 92 | 271 | 36 | 300 | 9459 | 0 | -34.1 | 18.4 | 9 | 49 | 252 | 22 |
| 500 | 5789 | 0 | -3.0 | 25.0 | 2 | 90 | 258 | 18 | 500 | 5786 | 0 | -12.5 | 21.8 | 0 | 86 | 202 | 18 | 500 | 5757 | 0 | -12.8 | 28.5 | 9 | 88 | 253 | 19 |
| 700 | 3138 | 0 | 4.5 | 27.5 | 2 | 74 | 271 | 9 | 700 | 3126 | 0 | 5.1 | 24.2 | 0 | 99 | 294 | 10 | 700 | 3108 | 0 | 4.3 | 26.1 | 9 | 67 | 228 | 3 |
| 850 | 1537 | 0 | 12.1 | 14.4 | 2 | 51 | 271 | 4 | 850 | 1505 | 0 | 13.9 | 19.7 | 0 | 97 | 322 | 6 | 850 | 1504 | 0 | 13.2 | 25.6 | 9 | 31 | 248 | 2 |
| 1016 | * 15 | | 18.8 | 5.1 | | | | | 983 | * 216 | | 17.0 | 5.1 | | | | | 989 | * 224 | | 20.2 | 11.4 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | TEMPERATURE | | | VECTOR WIND | | | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| ASIA - INDIA LUCKNOW/AMAUSI 42369 DEC 2008 2645N 08053E OB 3 | | | | | | | | | ASIA - INDIA PATNA 42492 DEC 2008 2536N 08506E OB 3 | | | | | | | | | ASIA - INDIA CALCUTTA/DUM DUM 42809 DEC 2008 2239N 08827E OB 3 | | | | | | | | |
| 030 | 23928 | 0 | -41.3 | 20.1 | 9 | 10 | 318 | 1 | 030 | | | | | | | | | 030 | | | | | | | | |
| 050 | 20591 | 0 | -55.1 | 12.3 | 9 | 53 | 60 | 4 | 050 | | | | | | | | | 050 | 20478 | 0 | -52.2 | 12.1 | 5 | 40 | 107 | 2 |
| 100 | 16374 | 0 | -75.0 | 9.8 | 9 | 82 | 274 | 11 | 100 | 16463 | 0 | -72.7 | 12.1 | | | | | 100 | 16345 | 0 | -77.3 | 11.0 | 2 | 79 | 272 | 5 |
| 150 | 13983 | 0 | -64.6 | 11.4 | 9 | 88 | 260 | 28 | 150 | 14050 | 0 | -64.6 | 11.4 | | | | | 150 | 14006 | 0 | -70.0 | 9.6 | 1 | 93 | 263 | 16 |
| 200 | 12185 | 0 | -55.4 | 12.8 | 9 | 86 | 258 | 35 | 200 | 12249 | 0 | -55.1 | 13.1 | | | | | 200 | 12254 | 0 | -57.0 | 14.6 | 0 | 96 | 262 | 23 |
| 300 | 9491 | 0 | -38.9 | 12.4 | 8 | 93 | 258 | 35 | 300 | 9550 | 0 | -35.1 | 16.2 | | | | | 300 | 9558 | 0 | -36.0 | 14.4 | 0 | 96 | 269 | 22 |
| 500 | 5771 | 0 | -11.6 | 20.5 | 8 | 92 | 278 | 18 | 500 | 5806 | 0 | -8.6 | 23.5 | 9 | 99 | 298 | 19 | 500 | 5805 | 0 | -8.2 | 23.5 | 0 | 25 | 352 | 4 |
| 700 | 3104 | 0 | 6.5 | 22.6 | 8 | 95 | 298 | 12 | 700 | 3115 | 0 | 8.6 | 21.8 | 3 | 87 | 302 | 7 | 700 | 3102 | 0 | 8.8 | 8.2 | 0 | 95 | 309 | 11 |
| 850 | 1489 | 0 | 13.8 | 17.4 | 8 | 80 | 317 | 7 | 850 | 1500 | 0 | 13.7 | 14.4 | 2 | 68 | 282 | 3 | 850 | 1442 | 0 | 13.2 | 9.7 | 0 | 57 | 259 | 4 |
| 1000 | * 128 | | 17.6 | 3.9 | | | | | 1008 | * 60 | | 18.0 | 2.7 | | | | | 1013 | * 6 | | 20.2 | 3.9 | | | | |
| ASIA - INDIA NAGPUR SONEGAON 42867 DEC 2008 2106N 07903E OB 3 | | | | | | | | | ASIA - INDIA BHUBANESHWAR 42971 DEC 2008 2015N 08550E OB 3 | | | | | | | | | ASIA - INDIA BOMBAY / SANTACRUZ 43003 DEC 2008 1907N 07251E OB 3 | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | | | | | | | | |
| 050 | 20539 | 0 | -55.5 | 8.8 | 9 | 54 | 64 | 3 | 050 | | | | | 9 | 35 | 271 | 3 | 050 | | | | | | | | |
| 100 | 16424 | 0 | -81.6 | 6.7 | 7 | 66 | 264 | 5 | 100 | 16409 | 0 | -80.4 | | 2 | 84 | 248 | 14 | 100 | | | | | | | | |
| 150 | 14089 | 0 | -68.8 | 10.8 | 7 | 90 | 263 | 16 | 150 | 14105 | 0 | -70.4 | | 2 | 84 | 248 | 14 | 150 | | | | | | | | |
| 200 | 12316 | 0 | -56.4 | 15.2 | 6 | 89 | 256 | 22 | 200 | 12343 | 0 | -56.5 | | 2 | 94 | 245 | 19 | 200 | 12284 | 0 | -57.1 | 13.6 | 8 | 84 | 241 | 18 |
| 300 | 9615 | 0 | -32.9 | 17.5 | 4 | 84 | 262 | 20 | 300 | 9638 | 0 | -33.7 | 14.6 | 2 | 83 | 252 | 15 | 300 | 9588 | 0 | -34.4 | 17.0 | 4 | 85 | 241 | 18 |
| 500 | 5852 | 0 | -8.0 | 16.9 | 1 | 71 | 280 | 8 | 500 | 5823 | 0 | -6.8 | 19.9 | 2 | 85 | 269 | 8 | 500 | 5813 | 0 | -7.8 | 19.7 | 2 | 64 | 231 | 6 |
| 700 | 3151 | 0 | 9.5 | 23.2 | 0 | 71 | 339 | 5 | 700 | 3137 | 0 | 10.7 | 18.1 | 1 | 75 | 329 | 5 | 700 | 3119 | 0 | 8.9 | 22.7 | 0 | 25 | 148 | 2 |
| 850 | 1476 | 0 | 17.6 | 20.9 | 0 | 40 | 23 | 2 | 850 | 1506 | 0 | 15.6 | 14.9 | 1 | 77 | 350 | 4 | 850 | 1490 | 0 | 17.7 | 17.2 | 0 | 51 | 92 | 3 |
| 978 | * 310 | | 21.0 | 20.8 | | | | | 1007 | * 46 | | 22.4 | 4.7 | | | | | 1008 | * 14 | | 25.6 | 7.5 | | | | |
| ASIA - INDIA GOA/PANJIM 43192 DEC 2008 1529N 07349E OB 3 | | | | | | | | | ASIA - INDIA CHENNAI/MINAMBAKKAM 43279 DEC 2008 1300N 08011E OB 3 | | | | | | | | | ASIA - INDIA PORT BLAIR 43333 DEC 2008 1140N 09243E OB 3 | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | | | | | | | | |
| 050 | | | | | | | | | 050 | | | | | | | | | 050 | | | | | | | | |
| 100 | | | | | | | | | 100 | | | | | | | | | 100 | | | | | | | | |
| 150 | | | | | | | | | 150 | 14191 | 0 | -68.7 | | | | | | 150 | | | | | | | | |
| 200 | | | | | | | | | 200 | 12416 | 0 | -54.8 | | | | | | 200 | 12371 | 0 | -55.8 | | 9 | 81 | 146 | 9 |
| 300 | 9626 | 0 | -32.7 | 18.7 | 7 | 74 | 231 | 9 | 300 | 9687 | 0 | -31.1 | 14.5 | 9 | 58 | 172 | 7 | 300 | 9655 | 0 | -31.7 | 14.6 | 7 | 67 | 136 | 7 |
| 500 | 5831 | 0 | -6.8 | 13.0 | 6 | 42 | 164 | 3 | 500 | 5866 | 0 | -4.7 | 19.3 | 6 | 57 | 86 | 9 | 500 | 5837 | 0 | -5.1 | 19.0 | 4 | 76 | 76 | 8 |
| 700 | 3127 | 0 | 9.6 | 15.2 | 4 | 68 | 82 | 5 | 700 | 3141 | 0 | 11.1 | 19.7 | 3 | 88 | 59 | 8 | 700 | 3121 | 0 | 10.0 | 14.4 | 1 | 68 | 82 | 6 |
| 850 | 1498 | 0 | 17.1 | 16.3 | 4 | 82 | 90 | 5 | 850 | 1507 | 0 | 16.7 | 9.4 | 0 | 93 | 58 | 7 | 850 | 1494 | 0 | 15.9 | 5.0 | 1 | 86 | 77 | 5 |
| 1003 | * 60 | | 26.1 | 5.7 | | | | | 1010 | * 16 | | 25.6 | 25.5 | | | | | 1002 | * 79 | | 25.6 | 4.5 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| ASIA - INDIA MINICOY 43369 DEC 2008 0818N 07309E OB 3 | | | | | | | | | ASIA - INDIA THIRUVANANTHAPURAM 43371 DEC 2008 0829N 07657E OB 3 | | | | | | | | | ASIA - HONG KONG, CHINA KOWLOON 45004 DEC 2008 2219N 11410E OB 1 | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | 23703 | 0 | -56.6 | 31.4 | 2 | 46 | 97 | 3 |
| 050 | | | | | | | | | 050 | | | | | | | | | 050 | 20541 | 0 | -67.4 | 24.3 | 2 | 68 | 263 | 4 |
| 100 | 16447 | 0 | -76.3 | | | | | | 100 | | | | | | | | | 100 | 16545 | 0 | -79.3 | 14.1 | 0 | 96 | 262 | 19 |
| 150 | 14104 | 0 | -70.7 | 10.8 | 8 | 59 | 135 | 10 | 150 | | | | | | | | | 150 | 14175 | 0 | -66.2 | 16.8 | 0 | 97 | 251 | 33 |
| 200 | 12344 | 0 | -56.1 | 7.3 | 3 | 57 | 140 | 9 | 200 | 12325 | 0 | -58.5 | 4.9 | | | | | 200 | 12375 | 0 | -52.6 | 20.1 | 0 | 97 | 256 | 34 |
| 300 | 9628 | 0 | -32.8 | 17.6 | 0 | 74 | 134 | 7 | 300 | 9628 | 0 | -33.4 | 11.4 | 9 | 82 | 136 | 5 | 300 | 9630 | 0 | -30.9 | 28.5 | 1 | 97 | 266 | 31 |
| 500 | 5822 | 0 | -6.2 | 16.6 | 0 | 84 | 106 | 7 | 500 | 5827 | 0 | -6.4 | 11.6 | 6 | 85 | 94 | 7 | 500 | 5829 | 0 | -7.9 | 24.3 | 1 | 90 | 268 | 17 |
| 700 | 3112 | 0 | 9.4 | 16.8 | 0 | 75 | 95 | 6 | 700 | 3117 | 0 | 9.9 | 14.3 | 4 | 87 | 86 | 5 | 700 | 3142 | 0 | 4.4 | 19.1 | 0 | 53 | 257 | 4 |
| 850 | 1487 | 0 | 16.4 | 7.5 | 0 | 72 | 94 | 5 | 850 | 1487 | 0 | 17.0 | 4.9 | 2 | 68 | 59 | 3 | 850 | 1545 | 0 | 11.0 | 9.7 | 0 | 56 | 63 | 3 |
| 1010 | * 2 | | 26.4 | 2.7 | | | | | 1002 | * 64 | | 26.3 | 4.5 | | | | | 1013 | * 66 | | 16.2 | 6.7 | | | | |
| ASIA - CHINA HAILAR 50527 DEC 2008 4913N 11940E OB 3 | | | | | | | | | ASIA - CHINA WU LU MU QI 51463 DEC 2008 4348N 08739E OB 3 | | | | | | | | | ASIA - CHINA YINCHUAN 53614 DEC 2008 3828N 10610E OB | | | | | | | | |
| 030 | 23325 | 0 | -50.5 | 39.7 | 0 | 93 | 244 | 25 | 030 | 23388 | 0 | -60.5 | 28.7 | 3 | 97 | 272 | 28 | 030 | 23592 | 0 | -54.6 | 15.8 | 0 | 94 | 270 | 17 |
| 050 | 20015 | 0 | -53.1 | 38.4 | 0 | 96 | 254 | 25 | 050 | 20224 | 0 | -62.4 | 26.2 | 0 | 96 | 278 | 27 | 050 | 20365 | 0 | -59.5 | 15.1 | 0 | | 279 | 20 |
| 100 | 15565 | 0 | -54.1 | 35.2 | 0 | 96 | 270 | 24 | 100 | 15938 | 0 | -60.8 | 24.5 | 0 | 97 | 280 | 29 | 100 | 16033 | 0 | -58.9 | 13.9 | 0 | 97 | 280 | 37 |
| 150 | 12964 | 0 | -54.3 | 21.8 | 0 | 92 | 280 | 22 | 150 | 13408 | 0 | -59.6 | 22.2 | 0 | 97 | 281 | 32 | 150 | 13482 | 0 | -56.8 | 14.0 | 0 | 98 | 282 | 41 |
| 200 | 11125 | 0 | -55.3 | 5.7 | 0 | 92 | 286 | 22 | 200 | 11614 | 0 | -60.8 | 15.8 | 0 | | 281 | 31 | 200 | 11658 | 0 | -56.9 | 13.2 | 0 | 95 | 282 | 41 |
| 300 | 8559 | 0 | -57.3 | 19.9 | 0 | 81 | 299 | 21 | 300 | 9064 | 0 | -52.4 | 12.1 | 0 | 92 | 282 | 24 | 300 | 9074 | 0 | -50.9 | 11.5 | 0 | 95 | 289 | 35 |
| 500 | 5205 | 0 | -38.4 | 7.4 | 0 | 74 | 306 | 14 | 500 | 5571 | 0 | -26.4 | 12.9 | 0 | 89 | 292 | 16 | 500 | 5563 | 0 | -25.1 | 16.1 | 0 | | 292 | 24 |
| 700 | 2816 | 0 | -23.4 | 7.9 | 0 | 79 | 304 | 11 | 700 | 3052 | 0 | -9.5 | 15.4 | 0 | 56 | 307 | 5 | 700 | 3041 | 0 | -10.3 | 17.7 | 0 | 93 | 303 | 13 |
| 850 | 1381 | 0 | -18.1 | 6.2 | 0 | 78 | 297 | 7 | 850 | 1539 | 0 | -6.7 | 11.1 | 0 | 33 | 117 | 2 | 850 | 1531 | 0 | -6.0 | 13.5 | | | | |
| 942 | * 611 | | -21.7 | 2.9 | | | | | 919 | * 947 | | -9.8 | 4.0 | | | | | 897 | *1112 | | -7.4 | 9.1 | | | | |
| ASIA - CHINA BEIJING 54511 DEC 2008 3956N 11610E OB 3 | | | | | | | | | ASIA - CHINA LHASA 55591 DEC 2008 2940N 09108E OB 3 | | | | | | | | | ASIA - CHINA KUNMING 56778 DEC 2008 2501N 10240E OB 3 | | | | | | | | |
| 030 | 23606 | 0 | -52.4 | 18.2 | 0 | 88 | 262 | 15 | 030 | 23675 | 0 | -56.3 | | 1 | 50 | 295 | 2 | 030 | 23673 | 0 | -56.8 | | 2 | 40 | 231 | 2 |
| 050 | 20338 | 0 | -56.8 | 17.2 | 0 | 95 | 267 | 20 | 050 | 20491 | 0 | -65.8 | | 1 | 86 | 293 | 6 | 050 | 20504 | 0 | -67.9 | | 1 | 86 | 283 | 6 |
| 100 | 15951 | 0 | -56.6 | 15.4 | 0 | 97 | 272 | 33 | 100 | 16417 | 0 | -71.4 | | 0 | 97 | 275 | 33 | 100 | 16503 | 0 | -76.1 | | 1 | 96 | 274 | 26 |
| 150 | 13364 | 0 | -53.7 | 15.0 | 0 | | 273 | 39 | 150 | 13972 | 0 | -62.0 | 19.1 | 0 | 98 | 270 | 46 | 150 | 14101 | 0 | -65.1 | 25.9 | 1 | 95 | 264 | 40 |
| 200 | 11516 | 0 | -54.3 | 14.1 | 0 | | 275 | 40 | 200 | 12158 | 0 | -53.7 | 20.6 | 0 | 96 | 273 | 51 | 200 | 12298 | 0 | -52.9 | 19.7 | 1 | 91 | 269 | 42 |
| 300 | 8923 | 0 | -51.8 | 12.8 | 0 | 95 | 279 | 35 | 300 | 9461 | 0 | -37.7 | 23.2 | 0 | 95 | 280 | 40 | 300 | 9565 | 0 | -32.3 | 24.2 | 1 | 91 | 274 | 39 |
| 500 | 5448 | 0 | -28.7 | 15.3 | 0 | 92 | 289 | 22 | 500 | 5760 | 0 | -11.4 | 30.3 | 0 | | 272 | 9 | 500 | 5790 | 0 | -8.9 | 30.6 | 0 | 92 | 279 | 22 |
| 700 | 2966 | 0 | -14.8 | 15.8 | 0 | 87 | 298 | 13 | 655 | *3650 | | -5.0 | 9.3 | | | | | 700 | 3113 | 0 | 2.8 | 10.9 | 0 | 89 | 265 | 8 |
| 850 | 1479 | 0 | -8.1 | 16.4 | 0 | 83 | 310 | 10 | | | | | | | | | | 813 | *1892 | | 6.8 | 2.6 | | | | |
| 1022 | * 55 | | -4.0 | 10.6 | | | | | | | | | | | | | | | | | | | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | TEMPERATURE | | | VECTOR WIND | | | | | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | | |
| ASIA - CHINA SHANGHAI 58362 DEC 2008 3124N 12120E OB 3 | | | | | | | | | AFRICA - MADEIRA FUNCHAL 08522 DEC 2008 3238N 01654W OB 3 | | | | | | | | | AFRICA - SPAIN (CANARY ISLANDS) TENERIFE-GUIMAR 60018 DEC 2008 2819N 01623W OB | | | | | | | | | | |
| 030 | 23691 | 0 | -55.4 | | 0 | 71 | 262 | 5 | 030 | 23653 | 0 | -57.7 | 32.8 | | 5 | 70 | 287 | 3 | 030 | 23656 | 0 | -56.5 | 31.4 | | 5 | 59 | 270 | 4 |
| 050 | 20494 | 0 | -62.9 | | 0 | 93 | 257 | 13 | 050 | 20479 | 0 | -63.1 | 28.9 | | 5 | 78 | 294 | 3 | 050 | 20474 | 0 | -64.1 | 26.2 | | 2 | 66 | 280 | 4 |
| 100 | 16312 | 0 | -67.8 | | 0 | | 261 | 44 | 100 | 16258 | 0 | -65.4 | 25.6 | | 6 | 95 | 290 | 7 | 100 | 16301 | 0 | -68.3 | 20.9 | | 2 | 94 | 276 | 20 |
| 150 | 13827 | 0 | -58.5 | 22.5 | 0 | 98 | 257 | 59 | 150 | 13770 | 0 | -61.6 | 25.4 | | 6 | 83 | 287 | 9 | 150 | 13844 | 0 | -64.0 | 18.8 | | 2 | 96 | 274 | 29 |
| 200 | 11987 | 0 | -50.7 | 22.4 | 0 | 98 | 258 | 63 | 200 | 11986 | 0 | -59.3 | 20.3 | | 5 | 81 | 293 | 10 | 200 | 12061 | 0 | -58.7 | 13.6 | | 1 | 89 | 275 | 32 |
| 300 | 9288 | 0 | -40.9 | 20.3 | 0 | 98 | 261 | 49 | 300 | 9369 | 0 | -44.5 | 19.2 | | 4 | 62 | 295 | 7 | 300 | 9422 | 0 | -41.4 | 14.8 | | 2 | 83 | 275 | 22 |
| 500 | 5659 | 0 | -18.7 | 25.0 | 0 | 96 | 271 | 25 | 500 | 5741 | 0 | -16.3 | 22.5 | | 4 | 47 | 330 | 3 | 500 | 5758 | 0 | -14.6 | 22.7 | | 2 | 71 | 281 | 9 |
| 700 | 3078 | 0 | -4.0 | 26.2 | 0 | 86 | 274 | 12 | 700 | 3120 | 0 | .8 | 21.4 | | 3 | 26 | 7 | 2 | 700 | 3121 | 0 | 2.9 | 28.3 | | 2 | 32 | 326 | 3 |
| 850 | 1530 | 0 | 1.1 | 22.4 | 0 | 67 | 278 | 6 | 850 | 1542 | 0 | 5.8 | 6.7 | | 3 | 15 | 303 | 1 | 850 | 1532 | 0 | 7.6 | 8.1 | | 2 | 53 | 11 | 4 |
| 1026 | * 8 | | 4.8 | 3.9 | | | | | 1016 | * 58 | | 18.4 | 7.8 | | | | | | 1008 | * 111 | | 17.2 | 7.9 | | | | | |
| AFRICA - ALGERIA DAR-EL-BEIDA 60390 DEC 2008 3641N 00313E OB 3 | | | | | | | | | AFRICA - ALGERIA IN-SALAH 60630 DEC 2008 2714N 00230E OB 2 | | | | | | | | | AFRICA - ALGERIA TINDOUF 60656 DEC 2008 2742N 00810W OB 2 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | | 030 | | | | | | | | | |
| 050 | | | | | | | | | 050 | 20481 | 0 | -63.8 | | | 3 | 96 | 253 | 9 | 050 | | | | | | | | | |
| 100 | 16132 | 0 | -60.8 | 28.4 | 3 | 90 | 280 | 15 | 100 | 16301 | 0 | -68.2 | | | 0 | 96 | 264 | 28 | 100 | 16314 | 0 | -68.0 | | | 2 | 91 | 280 | 21 |
| 150 | 13589 | 0 | -57.9 | 24.9 | 0 | 87 | 280 | 19 | 150 | 13835 | 0 | -62.0 | | | 0 | 93 | 274 | 37 | 150 | 13849 | 0 | -64.6 | | | 0 | 94 | 270 | 32 |
| 200 | 11778 | 0 | -58.0 | 14.3 | 0 | 75 | 280 | 19 | 200 | 12040 | 0 | -58.1 | | | 0 | 87 | 271 | 37 | 200 | 12067 | 0 | -58.1 | | | 0 | 97 | 280 | 17 |
| 300 | 9178 | 0 | -47.5 | 8.7 | 1 | 61 | 290 | 16 | 300 | 9400 | 0 | -41.7 | | | 0 | 88 | 271 | 29 | 300 | 9332 | 0 | -41.7 | | | 0 | 85 | 280 | 23 |
| 500 | 5614 | 0 | -21.2 | 15.6 | 0 | 66 | 290 | 10 | 500 | 5739 | 0 | -14.8 | 25.0 | | 0 | 86 | 264 | 18 | 500 | 5759 | 0 | -13.6 | 25.6 | | 0 | 75 | 290 | 12 |
| 700 | 3049 | 0 | -5.1 | 11.9 | 0 | 63 | 290 | 8 | 700 | 3101 | 0 | 2.1 | 25.9 | | 0 | 59 | 263 | 8 | 700 | 3119 | 0 | 2.8 | 23.6 | | 0 | 66 | 290 | 6 |
| 850 | 1500 | 0 | 3.3 | 6.6 | 0 | 57 | 270 | 7 | 850 | 1520 | 0 | 8.7 | 18.5 | | 0 | 18 | 350 | 2 | 850 | 1525 | 0 | 9.6 | 19.3 | | 0 | 57 | 50 | 4 |
| 1016 | * 29 | | 11.1 | 4.3 | | | | | 987 | * 269 | | 17.4 | 18.0 | | | | | | 969 | * 443 | | 15.2 | 15.2 | | | | | |
| AFRICA - ALGERIA TAMANRASSET 60680 DEC 2008 2248N 00526E OB 3 | | | | | | | | | AFRICA - TUNISIA TUNIS-CARTHAGE 60715 DEC 2008 3650N 01014E OB 1 | | | | | | | | | AFRICA - MALI TOMBOUCTOU 61223 DEC 2008 1643N 00300W OB 2 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | | 030 | 23697 | 0 | -51.6 | 31.8 | | 7 | 36 | 54 | 2 |
| 050 | 20521 | 0 | -65.8 | | 3 | 88 | 250 | 8 | 050 | | | | | | | | | | 050 | 20516 | 0 | -67.5 | 25.7 | | 2 | 77 | 271 | 6 |
| 100 | 16412 | 0 | -72.0 | | 2 | 96 | 260 | 30 | 100 | 16110 | 0 | -60.5 | 30.5 | | 0 | 90 | 263 | 18 | 100 | 16489 | 0 | -76.3 | 16.8 | | 1 | 96 | 257 | 24 |
| 150 | 13979 | 0 | -63.8 | | 1 | 97 | 260 | 40 | 150 | 13573 | 0 | -58.0 | 30.3 | | 0 | 84 | 262 | 20 | 150 | 14100 | 0 | -67.4 | 14.2 | | 1 | 93 | 261 | 31 |
| 200 | 12190 | 0 | -56.8 | | 1 | 91 | 260 | 39 | 200 | | | | | | | | | | 200 | 12326 | 0 | -56.1 | 14.2 | | 1 | 93 | 274 | 32 |
| 300 | 9519 | 0 | -38.3 | 15.1 | 0 | 90 | 260 | 31 | 300 | 9165 | 0 | -47.8 | 15.8 | | 1 | 71 | 257 | 20 | 300 | 9625 | 0 | -35.0 | 17.1 | | 1 | 86 | 274 | 22 |
| 500 | 5804 | 0 | -11.5 | 23.5 | 0 | 90 | 260 | 19 | 500 | 5604 | 0 | -21.7 | 16.3 | | 0 | 69 | 260 | 11 | 500 | 5862 | 0 | -8.1 | 17.1 | | 1 | 86 | 273 | 9 |
| 700 | 3140 | 0 | 5.8 | 28.1 | 0 | 80 | 260 | 8 | 700 | 3042 | 0 | -5.0 | 12.5 | | 0 | 58 | 270 | 7 | 700 | 3170 | 0 | 8.4 | 19.5 | | 1 | 50 | 276 | 4 |
| 850 | 1526 | 0 | 15.7 | 27.3 | 0 | 36 | 180 | 2 | 850 | 1491 | 0 | 3.7 | 8.5 | | 0 | 62 | 272 | 6 | 850 | 1535 | 0 | 19.1 | 30.8 | | 1 | 7 | 318 | 1 |
| 865 | *1364 | | 14.9 | 25.0 | | | | | 1017 | * 4 | | 14.0 | 6.5 | | | | | | 985 | * 264 | | 22.9 | 24.8 | | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | |
| AFRICA - MALI BAMAKO/SENOU 61291 DEC 2008 1232N 00757W OB 2 | | | | | | | | | AFRICA - OCEAN ISLANDS ST. HELENA IS. 61901 DEC 2008 1556S 00540W OB 3 | | | | | | | | | AFRICA - OCEAN ISLANDS PORT-AUX-FRANCAIS (ILES KERG 61998 DEC 2008 4918S 07012E OB 2 | | | | | | | | | |
| 030 | 23708 | 0 | -57.8 | 30.4 | 5 | 25 | 283 | 1 | 030 | 23709 | 0 | -59.2 | 29.1 | 9 | 97 | 74 | 14 | 030 | | | | | | | | | |
| 050 | 20557 | 0 | -68.0 | 22.6 | 0 | 69 | 274 | 5 | 050 | 20575 | 0 | -67.3 | 23.0 | 9 | 95 | 90 | 13 | 050 | 20555 | 0 | -50.1 | | | 5 | 96 | 281 | 13 |
| 100 | 16539 | 0 | -77.8 | 11.9 | 0 | 95 | 245 | 16 | 100 | 16563 | 0 | -79.2 | 12.2 | 9 | 39 | 18 | 3 | 100 | 16077 | 0 | -54.0 | | | 4 | 94 | 274 | 25 |
| 150 | 14171 | 0 | -68.5 | 9.8 | 0 | 91 | 272 | 24 | 150 | 14194 | 0 | -67.3 | 13.0 | 9 | 57 | 328 | 6 | 150 | 13475 | 0 | -53.7 | | | 4 | 92 | 273 | 28 |
| 200 | 12393 | 0 | -54.9 | 13.1 | 0 | 92 | 278 | 24 | 200 | 12409 | 0 | -54.5 | 15.4 | 9 | 55 | 329 | 6 | 200 | 11635 | 0 | -55.1 | | | 3 | 90 | 271 | 33 |
| 300 | 9672 | 0 | -32.9 | 18.1 | 0 | 85 | 279 | 16 | 300 | 9688 | 0 | -32.8 | 24.3 | 9 | 56 | 10 | 4 | 300 | 9014 | 0 | -45.7 | | | 1 | 90 | 272 | 32 |
| 500 | 5876 | 0 | -6.4 | 20.7 | 0 | 44 | 272 | 3 | 500 | 5876 | 0 | -4.0 | 32.5 | 9 | 70 | 90 | 5 | 500 | 5430 | 0 | -20.8 | 18.5 | | 1 | 91 | 274 | 26 |
| 700 | 3171 | 0 | 9.1 | 13.6 | 0 | 47 | 153 | 3 | 700 | 3158 | 0 | 9.7 | 20.5 | 9 | 77 | 80 | 6 | 700 | 2866 | 0 | -6.2 | 20.9 | | 1 | 85 | 269 | 17 |
| 850 | 1529 | 0 | 20.8 | 23.1 | 0 | 70 | 69 | 4 | 850 | 1518 | 0 | 17.9 | 18.6 | 9 | 86 | 96 | 6 | 850 | 1330 | 0 | -8 | 8.9 | | 1 | 79 | 266 | 11 |
| 970 | * 381 | | 26.5 | 21.8 | | | | | 966 | * 436 | | 18.8 | 3.9 | | | | | 998 | * 29 | | 8.5 | 7.0 | | | | | |
| AFRICA - MAURITIUS VACOAS (MAURITIUS) 61995 DEC 2008 2018S 05730E OB 3 | | | | | | | | | AFRICA - LIBYAN ARAB JAMAHIRIYA BENINA 62053 DEC 2008 3206N 02016E OB / | | | | | | | | | AFRICA - EGYPT MERSA MATRUH 62306 DEC 2008 3120N 02713E OB 3 | | | | | | | | | |
| 030 | 18601 | 0 | -76.5 | | 5 | 93 | 95 | 9 | 030 | | | | | | | | | 030 | 23651 | 0 | -58.1 | 31.4 | | 6 | 87 | 265 | 11 |
| 050 | 16549 | 0 | -77.1 | | 1 | 47 | 195 | 4 | 050 | 20481 | 0 | -55.3 | 23.3 | 9 | 83 | 249 | 12 | 050 | 20479 | 0 | -63.1 | 28.4 | | 4 | 90 | 260 | 11 |
| 100 | 14152 | 0 | -67.5 | | 1 | 70 | 245 | 10 | 100 | 16251 | 0 | -62.7 | 21.7 | 1 | 95 | 258 | 28 | 100 | 16277 | 0 | -66.5 | 24.0 | | 2 | 98 | 262 | 33 |
| 150 | 12361 | 0 | -55.1 | | 0 | 81 | 250 | 13 | 150 | 13750 | 0 | -59.9 | 22.9 | 0 | 95 | 258 | 39 | 150 | 13794 | 0 | -61.3 | 22.6 | | 2 | 98 | 265 | 43 |
| 200 | 10913 | 0 | -43.3 | | 0 | 77 | 250 | 11 | 200 | 11949 | 0 | -58.3 | 14.4 | 0 | 93 | 258 | 41 | 200 | 12000 | 0 | -58.1 | 15.2 | | 2 | 97 | 262 | 45 |
| 300 | 9358 | 0 | -33.1 | 32.7 | 0 | 78 | 255 | 10 | 300 | 9326 | 0 | -43.9 | 13.9 | 0 | 88 | 259 | 31 | 300 | 9361 | 0 | -42.3 | 18.3 | | 1 | 95 | 262 | 35 |
| 500 | 5857 | 0 | -5.9 | 10.1 | 0 | 65 | 220 | 4 | 500 | 5701 | 0 | -17.0 | 17.4 | 0 | 76 | 261 | 16 | 500 | 5720 | 0 | -16.3 | 20.6 | | 1 | 92 | 261 | 18 |
| 700 | 3147 | 0 | 9.0 | 6.6 | 0 | 43 | 145 | 2 | 700 | 3092 | 0 | .1 | 14.8 | 0 | 71 | 255 | 10 | 700 | 3100 | 0 | 1.6 | 22.3 | | 1 | 78 | 128 | 61 |
| 850 | 1519 | 0 | 16.4 | 1.3 | 0 | 72 | 105 | 4 | 850 | 1513 | 0 | 8.1 | 11.4 | 0 | 45 | 243 | 5 | 850 | 1514 | 0 | 9.3 | 14.8 | | 1 | 34 | 264 | 3 |
| 965 | * 425 | | 25.0 | 4.7 | | | | | 1013 | * 132 | | 15.3 | 6.9 | | | | | 1015 | * 28 | | 13.8 | 4.6 | | | | | |
| AFRICA - EGYPT EL ARISH 62337 DEC 2008 3105N 03349E OB | | | | | | | | | AFRICA - EGYPT HELWAN 62378 DEC 2008 2952N 03120E OB 3 | | | | | | | | | AFRICA - EGYPT SOUTH OF VALLEY UNIVERSITY 62403 DEC 2008 2612N 03245E OB | | | | | | | | | |
| 030 | 23635 | 0 | -56.8 | 31.8 | 9 | 87 | 255 | 7 | 030 | 23678 | 0 | -57.2 | 32.2 | 9 | 22 | 270 | 2 | 030 | 23687 | 0 | -57.0 | 32.4 | | 2 | 27 | 194 | 2 |
| 050 | 20458 | 0 | -64.4 | 29.5 | 9 | 48 | 230 | 4 | 050 | 20508 | 0 | -64.3 | 29.9 | 9 | 63 | 260 | 7 | 050 | 20513 | 0 | -65.8 | 29.2 | | 2 | 19 | 67 | 2 |
| 100 | 16278 | 0 | -66.8 | 29.2 | 9 | 97 | 275 | 23 | 100 | 16334 | 0 | -67.8 | 28.4 | 9 | 96 | 270 | 22 | 100 | 16415 | 0 | -72.0 | 27.3 | | 2 | 93 | 260 | 32 |
| 150 | 13801 | 0 | -61.3 | 28.4 | 9 | 95 | 275 | 31 | 150 | 13866 | 0 | -61.6 | 28.0 | 9 | 98 | 275 | 31 | 150 | 13980 | 0 | -63.4 | 29.2 | | 2 | 94 | 261 | 51 |
| 200 | 12005 | 0 | -57.8 | 22.8 | 8 | 93 | 275 | 33 | 200 | 12066 | 0 | -56.9 | 22.1 | 8 | 97 | 275 | 37 | 200 | 12183 | 0 | -55.5 | 24.2 | | 1 | 94 | 262 | 54 |
| 300 | 9366 | 0 | -42.1 | 21.9 | 4 | 92 | 270 | 29 | 300 | 9417 | 0 | -41.4 | 17.4 | 2 | 94 | 265 | 30 | 300 | 9509 | 0 | -38.8 | 18.3 | | 1 | 91 | 266 | 37 |
| 500 | 5718 | 0 | -15.5 | 25.9 | 2 | 89 | 270 | 15 | 500 | 5750 | 0 | -14.5 | 27.4 | 0 | 89 | 260 | 18 | 500 | 5804 | 0 | -11.5 | 27.7 | | 1 | 86 | 264 | 20 |
| 700 | 3090 | 0 | 2.3 | 32.1 | 2 | 79 | 275 | 7 | 700 | 3113 | 0 | 3.1 | 31.9 | 0 | 79 | 260 | 8 | 700 | 3137 | 0 | 6.3 | 39.8 | | 1 | 74 | 270 | 7 |
| 850 | 1503 | 0 | 9.5 | 23.1 | 2 | 39 | 245 | 2 | 850 | 1519 | 0 | 10.5 | 24.5 | 0 | 34 | 290 | 3 | 850 | 1525 | 0 | 13.8 | 39.1 | | 1 | 33 | 322 | 2 |
| 1013 | * 32 | | 20.7 | 20.1 | | | | | 1001 | * 141 | | 14.7 | 13.3 | | | | | 1005 | * 96 | | 23.6 | 20.1 | | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | | |
| AFRICA - EGYPT ASSWAN 62414 DEC 2008 2358N 03247E OB 3 | | | | | | | | | AFRICA - EGYPT FARAFRA 62423 DEC 2008 2703N 02759E OB | | | | | | | | | AFRICA - COTE D'IVOIRE ABIDJAN 65578 DEC 2008 0515N 00356W OB 2 | | | | | | | | | | |
| 030 | 23690 | 0 | -56.4 | 31.2 | | | | | 030 | 23625 | 0 | -56.9 | 31.8 | | 3 | 68 | 233 | 5 | 030 | 23724 | 0 | -59.2 | 29.1 | | 9 | 87 | 269 | 11 |
| 050 | 20525 | 0 | -67.3 | 26.7 | | | | | 050 | 20499 | 0 | -65.7 | 29.4 | | 3 | 57 | 267 | 6 | 050 | 20575 | 0 | -66.1 | 22.6 | | 6 | 90 | 274 | 8 |
| 100 | 16467 | 0 | -73.5 | 24.8 | | | | | 100 | 16176 | 0 | -70.2 | 28.1 | | 2 | 47 | 257 | 31 | 100 | 16570 | 0 | -82.0 | 8.4 | | 0 | 84 | 223 | 9 |
| 150 | 14036 | 0 | -63.8 | 25.5 | 7 | 94 | 268 | 36 | 150 | 13426 | 0 | -62.0 | 29.2 | | 1 | 97 | 259 | 43 | 150 | 14223 | 0 | -67.9 | 9.8 | | 0 | 83 | 263 | 11 |
| 200 | 12241 | 0 | -55.4 | 19.6 | 5 | 94 | 264 | 41 | 200 | 12129 | 0 | -56.1 | 23.9 | | 1 | 96 | 257 | 46 | 200 | 12438 | 0 | -53.7 | 12.9 | | 0 | 50 | 277 | 6 |
| 300 | 9550 | 0 | -37.4 | 16.0 | 4 | 90 | 266 | 30 | 300 | 9466 | 0 | -19.7 | 18.8 | | 1 | 95 | 261 | 34 | 300 | 9703 | 0 | -31.5 | 18.6 | | 0 | 36 | 322 | 3 |
| 500 | 5821 | 0 | -10.0 | 25.4 | 4 | 82 | 270 | 15 | 500 | 5224 | 0 | -12.6 | 32.9 | | 3 | 94 | 261 | 15 | 500 | 5880 | 0 | -5.0 | 16.6 | | 0 | 70 | 96 | 5 |
| 700 | 3138 | 0 | 8.3 | 39.7 | 4 | 66 | 276 | 5 | 700 | 3119 | 0 | 4.6 | 36.3 | | 3 | 81 | 274 | 7 | 700 | 3165 | 0 | 9.7 | 9.8 | | 1 | 97 | 82 | 9 |
| 850 | 1515 | 0 | 15.4 | 34.0 | 4 | 41 | 356 | 2 | 850 | 1518 | 0 | 33.7 | 27.9 | | 1 | 49 | 320 | 3 | 850 | 1521 | 0 | 19.1 | 4.9 | | 1 | 91 | 70 | 6 |
| 993 | * 200 | | 15.1 | 15.1 | | | | | 1008 | * 78 | | 21.0 | 20.2 | | | | | | 1010 | * 8 | | 29.1 | 3.7 | | | | | |
| N AMERICA - BERMUDA BERMUDA INTERNATIONAL AIRPOR 78016 DEC 2008 3222N 06440W OB 3 | | | | | | | | | AMERICA - NETHERLANDS ANTILLES & ARUBA JULIANA AIRPORT, 78866 DEC 2008 1802N 06307W OB 2 | | | | | | | | | S AMERICA - BRAZIL BELEM (AEROPORTO) 82193 DEC 2008 0123S 04829W OB 2 | | | | | | | | | | |
| 030 | 23651 | 0 | -59.4 | 25.2 | 9 | 87 | 271 | 8 | 030 | 23699 | 0 | -55.8 | 28.8 | | 5 | 78 | 59 | 5 | 030 | 23725 | 0 | -58.9 | 16.6 | | 9 | 88 | 273 | 11 |
| 050 | 20509 | 0 | -66.0 | 19.5 | 4 | 84 | 272 | 7 | 050 | 20536 | 0 | -66.8 | 18.7 | | 4 | 78 | 48 | 6 | 050 | 20576 | 0 | -65.5 | 10.3 | | 6 | 85 | 282 | 9 |
| 100 | 16402 | 0 | -69.8 | 15.8 | 1 | 93 | 280 | 25 | 100 | 16543 | 0 | -76.1 | 9.5 | | 3 | 58 | 338 | 6 | 100 | 16560 | 0 | -82.2 | 2.9 | | 5 | 75 | 239 | 8 |
| 150 | 13949 | 0 | -63.4 | 18.4 | 1 | 89 | 281 | 30 | 150 | 14146 | 0 | -66.1 | 15.7 | | 2 | 91 | 292 | 14 | 150 | 14219 | 0 | -67.9 | 8.6 | | 3 | 69 | 220 | 9 |
| 200 | 12167 | 0 | -58.6 | 13.1 | 1 | 85 | 287 | 30 | 200 | 12355 | 0 | -54.2 | 17.5 | | 2 | 80 | 293 | 15 | 200 | 12430 | 0 | -53.5 | 13.2 | | 2 | 83 | 199 | 10 |
| 300 | 9518 | 0 | -39.8 | 15.5 | 1 | 82 | 279 | 23 | 300 | 9638 | 0 | -33.8 | 16.2 | | 2 | 72 | 307 | 9 | 300 | 9691 | 0 | -31.1 | 16.5 | | 1 | 40 | 207 | 3 |
| 500 | 5823 | 0 | -12.3 | 25.1 | 1 | 79 | 276 | 13 | 500 | 5855 | 0 | -6.9 | 17.4 | | 1 | 52 | 21 | 3 | 500 | 5870 | 0 | -5.4 | 12.5 | | 0 | 20 | 150 | 1 |
| 700 | 3168 | 0 | 3.8 | 22.6 | 1 | 61 | 268 | 8 | 700 | 3156 | 0 | 8.0 | 8.7 | | 1 | 78 | 65 | 5 | 700 | 3153 | 0 | 9.8 | 9.5 | | 0 | 85 | 96 | 6 |
| 850 | 1575 | 0 | 8.3 | 6.7 | 1 | 21 | 263 | 2 | 850 | 1537 | 0 | 13.9 | 4.6 | | 1 | 82 | 72 | 6 | 850 | 1513 | 0 | 18.4 | 18.1 | | 0 | 95 | 97 | 7 |
| 1020 | * 130 | | 19.2 | 5.4 | | | | | 1016 | * 4 | | 24.1 | 4.9 | | | | | | 1009 | * 16 | | 27.6 | 4.5 | | | | | |
| S AMERICA - BRAZIL MANAUS (AEROPORTO) 82332 DEC 2008 0309S 05959W OB 2 | | | | | | | | | S AMERICA - BRAZIL FERNANDO DE NORONHA 82400 DEC 2008 0351S 03225W OB 2 | | | | | | | | | S AMERICA - BRAZIL NATAL AEROPORTO 82599 DEC 2008 0555S 03515W OB 2 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | 23712 | 0 | -60.0 | | | 9 | 72 | 281 | 7 | 030 | | | | | | | | | |
| 050 | 20554 | 0 | -65.2 | 13.7 | 8 | 84 | 266 | 8 | 050 | 20567 | 0 | -66.5 | 12.4 | | 5 | 56 | 270 | 5 | 050 | | | | | | | | | |
| 100 | 16563 | 0 | -83.8 | 2.5 | 3 | 36 | 217 | 3 | 100 | 16550 | 0 | -78.9 | 7.4 | | 3 | 50 | 294 | 5 | 100 | 16545 | 0 | -78.4 | 10.0 | | 9 | 29 | 268 | 2 |
| 150 | 14224 | 0 | -68.0 | 9.9 | 3 | 52 | 138 | 6 | 150 | 14187 | 0 | -67.8 | 10.1 | | 3 | 77 | 281 | 12 | 150 | 14180 | 0 | -68.1 | 9.3 | | 7 | 33 | 246 | 5 |
| 200 | 12438 | 0 | -53.7 | 15.0 | 3 | 75 | 132 | 8 | 200 | 12405 | 0 | -54.8 | 13.9 | | 3 | 43 | 280 | 5 | 200 | 12398 | 0 | -54.6 | 19.3 | | 6 | 36 | 215 | 5 |
| 300 | 9698 | 0 | -30.8 | 13.0 | 3 | 40 | 120 | 2 | 300 | 9686 | 0 | -32.8 | 19.0 | | 3 | 24 | 356 | 2 | 300 | 9677 | 0 | -32.8 | 33.0 | | 4 | 7 | 270 | 1 |
| 500 | 5875 | 0 | -5.5 | 6.5 | 3 | 11 | 148 | 1 | 500 | 5873 | 0 | -4.9 | 31.4 | | 4 | 73 | 85 | 6 | 500 | 5869 | 0 | -4.8 | 38.3 | | 3 | 77 | 87 | 5 |
| 700 | 3160 | 0 | 8.8 | 3.9 | 3 | 22 | 74 | 1 | 700 | 3158 | 0 | 9.8 | 18.4 | | 4 | 79 | 96 | 6 | 700 | 3154 | 0 | 9.5 | 22.3 | | 2 | 82 | 94 | 5 |
| 850 | 1521 | 0 | 18.0 | 3.1 | 3 | 48 | 66 | 3 | 850 | 1520 | 0 | 17.0 | 6.8 | | 4 | 95 | 95 | 8 | 850 | 1519 | 0 | 16.4 | 6.1 | | 2 | 87 | 108 | 7 |
| 1002 | * 84 | | 25.3 | 1.8 | | | | | 1006 | * 56 | | 28.2 | 5.6 | | | | | | 1008 | * 52 | | 28.8 | 6.1 | | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | |
| S AMERICA - BRAZIL FLORIANO 82678 DEC 2008 0646S 04301W OB 2 | | | | | | | | | S AMERICA - BRAZIL PORTO VELHO (AEROPORTO) 82824 DEC 2008 0846S 06355W OB | | | | | | | | | S AMERICA - BRAZIL RECIFE 82900 DEC 2008 0803S 03455W OB 2 | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | 23740 | 0 | -58.2 | | 9 | 17 | 79 | 1 | |
| 050 | 20573 | 0 | -66.5 | | 8 | 15 | 296 | 1 | 050 | 20571 | 0 | -67.3 | | | 3 | 33 | 125 | 3 | 050 | 20585 | 0 | -66.5 | | 3 | 21 | 23 | 2 |
| 100 | 16553 | 0 | -79.2 | 9.2 | 6 | 47 | 152 | 4 | 100 | 16563 | 0 | -82.2 | | | 2 | 80 | 92 | 8 | 100 | 16568 | 0 | -77.4 | | 1 | 7 | 134 | 1 |
| 150 | 14197 | 0 | -68.2 | 9.2 | 7 | 61 | 210 | 9 | 150 | 14223 | 0 | -68.3 | | | 2 | 65 | 105 | 8 | 150 | 14195 | 0 | -67.7 | | 1 | 30 | 217 | 4 |
| 200 | 12414 | 0 | -54.2 | 19.7 | 6 | 62 | 193 | 8 | 200 | 12437 | 0 | -53.5 | | | 2 | 60 | 96 | 6 | 200 | 12411 | 0 | -54.6 | | 1 | 43 | 197 | 6 |
| 300 | 9683 | 0 | -32.0 | 11.7 | 3 | 41 | 163 | 4 | 300 | 9692 | 0 | -30.5 | 8.2 | | 2 | 73 | 101 | 4 | 300 | 9687 | 0 | -32.5 | 18.3 | 1 | 12 | 174 | 1 |
| 500 | 5870 | 0 | -5.7 | 15.5 | 2 | 46 | 84 | 3 | 500 | 5865 | 0 | -5.7 | 2.5 | | 3 | 11 | 216 | 1 | 500 | 5877 | 0 | -4.6 | 28.7 | 0 | 79 | 78 | 6 |
| 700 | 3157 | 0 | 8.7 | 6.6 | 2 | 73 | 92 | 4 | 700 | 3148 | 0 | 8.8 | 2.3 | | 3 | 67 | 282 | 5 | 700 | 3156 | 0 | 9.8 | 8.9 | 0 | 55 | 97 | 3 |
| 850 | 1520 | 0 | 17.5 | 2.8 | 1 | 77 | 76 | 5 | 850 | 1510 | 0 | 17.9 | 3.4 | | 3 | 62 | 288 | 5 | 850 | 1519 | 0 | 16.2 | 4.1 | 0 | 78 | 94 | 5 |
| 998 | * 127 | | 26.2 | 3.4 | | | | | 1001 | * 102 | | 23.9 | .8 | | | | | | 1012 | * 7 | | 29.0 | 7.3 | | | | |
| S AMERICA - BRAZIL ALTA FLORESTA (AEROPORTO) 82965 DEC 2008 0952S 05606W OB / | | | | | | | | | S AMERICA - BRAZIL PETROLINA 82983 DEC 2008 0923S 04029W OB 2 | | | | | | | | | S AMERICA - BRAZIL BOM JESUS DA LAPA 83288 DEC 2008 1316S 04325W OB 2 | | | | | | | | | |
| 030 | 23720 | 0 | -57.9 | | 5 | 80 | 103 | 6 | 030 | | | | | | | | | 030 | 23713 | 0 | -58.2 | | | | | | |
| 050 | 20565 | 0 | -67.2 | | 2 | 80 | 94 | 6 | 050 | 20581 | 0 | -67.3 | | | 9 | 58 | 71 | 4 | 050 | 20558 | 0 | -67.3 | | | | | |
| 100 | 16560 | 0 | -80.9 | | 1 | 85 | 119 | 9 | 100 | 16561 | 0 | -78.7 | | | 7 | 57 | 142 | 4 | 100 | 16544 | 0 | -77.9 | | 4 | 80 | 136 | 8 |
| 150 | 14218 | 0 | -68.7 | | 1 | 83 | 162 | 10 | 150 | 14203 | 0 | -68.2 | | | 5 | 58 | 171 | 9 | 150 | 14181 | 0 | -68.6 | | 4 | 71 | 184 | 13 |
| 200 | 12435 | 0 | -53.8 | | 1 | 78 | 147 | 7 | 200 | 12422 | 0 | -54.6 | | | 4 | 56 | 173 | 9 | 200 | 12403 | 0 | -54.7 | | 5 | 67 | 193 | 10 |
| 300 | 9692 | 0 | -30.7 | 10.1 | 2 | 62 | 144 | 4 | 300 | 9694 | 0 | -32.0 | 14.4 | | 4 | 35 | 150 | 3 | 300 | 9675 | 0 | -31.9 | 8.6 | 3 | 29 | 187 | 3 |
| 500 | 5866 | 0 | -5.4 | 5.0 | 1 | 10 | 300 | 1 | 500 | 5878 | 0 | -5.5 | 20.1 | | 6 | 57 | 55 | 4 | 500 | 5861 | 0 | -5.8 | 18.4 | 6 | 65 | 2 | 7 |
| 700 | 3150 | 0 | 8.9 | 3.1 | 1 | 29 | 319 | 2 | 700 | 3160 | 0 | 9.1 | 9.2 | | 6 | 33 | 76 | 2 | 700 | 3149 | 0 | 8.4 | 8.3 | 6 | 33 | 359 | 2 |
| 850 | 1510 | 0 | 18.0 | 3.4 | 1 | 48 | 316 | 3 | 850 | 1522 | 0 | 16.9 | 3.3 | | 5 | 72 | 86 | 5 | 850 | 1512 | 0 | 18.3 | 5.5 | 5 | 49 | 3 | 3 |
| 978 | * 288 | | 23.1 | 1.0 | | | | | 971 | * 370 | | 26.1 | 7.8 | | | | | | 962 | * 440 | | 25.4 | 4.0 | | | | |
| S AMERICA - BRAZIL CUIABA (AEROPORTO) 83362 DEC 2008 1539S 05606W OB | | | | | | | | | S AMERICA - BRAZIL BRASILIA (AEROPORTO) 83378 DEC 2008 1552S 04756W OB 3 | | | | | | | | | S AMERICA - BRAZIL CARAVELAS 83498 DEC 2008 1744S 03915W OB 2 | | | | | | | | | |
| 030 | | | | | | | | | 030 | 23741 | 0 | -57.0 | | | 9 | 96 | 90 | 13 | 030 | | | | | | | | |
| 050 | 20613 | 0 | -67.1 | | | | | | 050 | 20579 | 0 | -67.9 | | | 5 | 96 | 102 | 13 | 050 | 20576 | 0 | -67.7 | | 9 | 99 | 96 | 13 |
| 100 | 16587 | 0 | -79.3 | | 5 | 86 | 136 | 10 | 100 | 16572 | 0 | -77.8 | | | 1 | 74 | 147 | 7 | 100 | 16534 | 0 | -75.9 | | 9 | 53 | 159 | 5 |
| 150 | 14229 | 0 | -68.4 | | 5 | 74 | 215 | 9 | 150 | 14204 | 0 | -68.5 | | | 1 | 75 | 209 | 12 | 150 | 14156 | 0 | -67.8 | | 9 | 78 | 237 | 13 |
| 200 | 12444 | 0 | -53.6 | | 4 | 45 | 216 | 5 | 200 | 12424 | 0 | -54.4 | | | 1 | 67 | 225 | 9 | 200 | 12378 | 0 | -55.2 | | 9 | 80 | 240 | 12 |
| 300 | 9701 | 0 | -30.7 | 13.3 | 2 | 65 | 190 | 6 | 300 | 9691 | 0 | -31.6 | 10.5 | | 1 | 31 | 242 | 3 | 300 | 9655 | 0 | -32.6 | 12.6 | 9 | 48 | 240 | 5 |
| 500 | 5872 | 0 | -5.2 | 10.6 | 0 | 27 | 182 | 2 | 500 | 5875 | 0 | -5.8 | 9.5 | | 1 | 54 | 302 | 4 | 500 | 5851 | 0 | -5.8 | 20.4 | 9 | 72 | 334 | 7 |
| 700 | 3152 | 0 | 9.3 | 5.7 | 0 | 17 | 44 | 1 | 700 | 3162 | 0 | 8.7 | 3.9 | | 1 | 64 | 340 | 4 | 700 | 3142 | 0 | 8.7 | 10.3 | 9 | 46 | 339 | 3 |
| 850 | 1509 | 0 | 18.7 | 4.2 | 0 | 10 | 356 | 15 | 850 | 1524 | 0 | 17.7 | 3.3 | | 1 | 64 | 353 | 4 | 850 | 1508 | 0 | 16.0 | 3.5 | 9 | 58 | 21 | 4 |
| 989 | * 187 | | 25.3 | 25.2 | | | | | 896 | *1061 | | 21.2 | 4.0 | | | | | | 1012 | * 3 | | 26.3 | 3.8 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | | |
| S AMERICA - BRAZIL CAMPO GRANDE (AEROPORTO) 83612 DEC 2008 2028S 05440W OB 2 | | | | | | | | | S AMERICA - BRAZIL TRINDADE (ILHA) 83650 DEC 2008 2030S 02919W OB 2 | | | | | | | | | S AMERICA - BRAZIL GALEAO 83746 DEC 2008 2249S 04315W OB 2 | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | | | | | | | | | | |
| 050 | 20625 | 0 | -67.6 | | | | | | 050 | 20595 | 0 | -66.8 | | | | 6 | 96 | 94 | 11 | 050 | 20610 | 0 | -66.8 | 10.2 | 9 | 96 | 105 | 12 |
| 100 | 16602 | 0 | -77.1 | | 6 | 69 | 173 | 9 | 100 | 16546 | 0 | -75.5 | | | | 3 | 33 | 309 | 2 | 100 | 16552 | 0 | -74.2 | 7.6 | 4 | 60 | 227 | 6 |
| 150 | 14223 | 0 | -67.2 | | 4 | 84 | 244 | 16 | 150 | 14153 | 0 | -67.8 | | | | 4 | 50 | 254 | 7 | 150 | 14145 | 0 | -66.0 | 10.3 | 3 | 81 | 251 | 20 |
| 200 | 12431 | 0 | -53.3 | | 5 | 86 | 239 | 19 | 200 | 12377 | 0 | -55.9 | | | | 4 | 47 | 249 | 7 | 200 | 12354 | 0 | -54.5 | 14.9 | 3 | 80 | 263 | 23 |
| 300 | 9692 | 0 | -31.3 | 20.0 | 4 | 82 | 234 | 14 | 300 | 9672 | 0 | -33.9 | 18.7 | | 3 | 64 | 285 | 7 | 300 | 9633 | 0 | -33.1 | 17.4 | 1 | 78 | 278 | 16 | |
| 500 | 5879 | 0 | -5.8 | 22.4 | 4 | 69 | 230 | 6 | 500 | 5886 | 0 | -6.8 | 19.0 | | 3 | 50 | 311 | 4 | 500 | 5841 | 0 | -7.0 | 13.7 | 2 | 82 | 285 | 9 | |
| 700 | 3167 | 0 | 8.7 | 9.8 | 4 | 9 | 285 | 1 | 700 | 3179 | 0 | 8.6 | 18.5 | | 3 | 50 | 25 | 4 | 700 | 3140 | 0 | 7.6 | 7.9 | 1 | 73 | 298 | 6 | |
| 850 | 1527 | 0 | 19.2 | 6.6 | 4 | 42 | 348 | 2 | 850 | 1551 | 0 | 14.7 | 4.3 | | 3 | 68 | 42 | 6 | 850 | 1511 | 0 | 16.3 | 4.6 | 1 | 76 | 335 | 5 | |
| 947 | * 567 | | 25.7 | 7.3 | | | | | 1017 | * 5 | | 27.5 | 5.2 | | | | | | 1011 | * 6 | | 25.4 | 4.5 | | | | | |
| S AMERICA - BRAZIL MARTE 83779 DEC 2008 2330S 04638W OB | | | | | | | | | S AMERICA - BRAZIL FOZ DO IGUAQU (AEROPORTO) 83827 DEC 2008 2531S 05435W OB | | | | | | | | | S AMERICA - BRAZIL CURITIBA (AEROPORTO) 83840 DEC 2008 2531S 04910W OB 2 | | | | | | | | | | |
| 030 | 23792 | 0 | -56.8 | | 9 | 97 | 83 | 14 | 030 | 23786 | 0 | -56.1 | 18.5 | | 7 | 99 | 85 | 15 | 030 | | | | | | | | | |
| 050 | 20617 | 0 | -67.0 | 10.0 | 3 | 95 | 101 | 11 | 050 | 20620 | 0 | -67.6 | 10.9 | | 4 | 90 | 91 | 9 | 050 | 20636 | 0 | -66.6 | 11.5 | 9 | 94 | 99 | 9 | |
| 100 | 16549 | 0 | -73.5 | 8.3 | 2 | 70 | 226 | 10 | 100 | 16553 | 0 | -73.4 | 8.2 | | 4 | 83 | 217 | 12 | 100 | 16548 | 0 | -72.7 | 9.0 | 4 | 72 | 235 | 11 | |
| 150 | 14133 | 0 | -65.3 | 11.0 | 2 | 87 | 254 | 24 | 150 | 14130 | 0 | -64.6 | 11.7 | | 4 | 95 | 253 | 27 | 150 | 14204 | 0 | -63.4 | 12.7 | 3 | 90 | 254 | 24 | |
| 200 | 12335 | 0 | -53.8 | 15.6 | 1 | 84 | 258 | 25 | 200 | 12322 | 0 | -52.8 | 17.5 | | 3 | 94 | 252 | 31 | 200 | 12303 | 0 | -52.6 | 19.7 | 4 | 95 | 259 | 44 | |
| 300 | 9612 | 0 | -33.3 | 19.6 | 1 | 83 | 272 | 20 | 300 | 9598 | 0 | -33.6 | 22.7 | | 2 | 92 | 250 | 24 | 300 | 9589 | 0 | -34.3 | 22.0 | 4 | 94 | 260 | 25 | |
| 500 | 5827 | 0 | -7.6 | 20.1 | 1 | 83 | 65 | 10 | 500 | 5821 | 0 | -7.8 | 19.5 | | 1 | 75 | 239 | 8 | 500 | 5821 | 0 | -8.2 | 21.7 | 2 | 76 | 247 | 8 | |
| 700 | 3132 | 0 | 7.3 | 9.2 | 1 | 75 | 287 | 5 | 700 | 3129 | 0 | 7.5 | 13.8 | | 1 | 58 | 255 | 4 | 700 | 3131 | 0 | 6.8 | 9.0 | 2 | 82 | 269 | 5 | |
| 850 | 1504 | 0 | 15.8 | 4.9 | 1 | 34 | 9 | 2 | 850 | 1500 | 0 | 17.9 | 17.9 | | 1 | 45 | 352 | 3 | 850 | 1510 | 0 | 14.2 | 14.2 | 2 | 49 | 42 | 3 | |
| 931 | * 722 | | 21.4 | 5.5 | | | | | 983 | * 180 | | 22.9 | 7.1 | | | | | | 912 | * 908 | | 18.5 | 18.0 | | | | | |
| S AMERICA - BRAZIL PORTO ALEGRE (AEROPORTO) 83971 DEC 2008 3000S 05111W OB 2 | | | | | | | | | S AMERICA - CHILE ISLA DE PASCUA 85469 DEC 2008 2710S 10920W OB 1 | | | | | | | | | S AMERICA - CHILE SANTO DOMINGO 85586 DEC 2008 3339S 07137W OB | | | | | | | | | | |
| 030 | 23825 | 0 | -55.6 | 18.4 | 9 | 95 | 89 | 9 | 030 | | | | | | | | | | 030 | | | | | | | | | |
| 050 | 20645 | 0 | -65.8 | 11.0 | 6 | 73 | 110 | 6 | 050 | | | | | | | | | | 050 | | | | | | | | | |
| 100 | 16505 | 0 | -68.4 | 9.6 | 1 | 83 | 243 | 13 | 100 | 16478 | 0 | -67.0 | 11.0 | | 4 | 83 | 312 | 9 | 100 | 16532 | 0 | -67.0 | 23.8 | 0 | 85 | 262 | 14 | |
| 150 | 14032 | 0 | -59.6 | 13.4 | 0 | 92 | 250 | 25 | 150 | 14007 | 0 | -64.1 | 8.9 | | 2 | 89 | 291 | 15 | 150 | 14028 | 0 | -57.3 | 27.2 | 0 | 94 | 274 | 26 | |
| 200 | 12208 | 0 | -53.1 | 16.2 | 0 | 92 | 251 | 29 | 200 | 12227 | 0 | -58.2 | 14.7 | | 2 | 89 | 277 | 15 | 200 | 12187 | 0 | -51.8 | 25.6 | 0 | 96 | 278 | 27 | |
| 300 | 9515 | 0 | -37.5 | 19.8 | 0 | 86 | 248 | 19 | 300 | 9565 | 0 | -38.3 | 17.9 | | 2 | 85 | 274 | 13 | 300 | 9495 | 0 | -39.3 | 22.8 | 0 | 80 | 278 | 14 | |
| 500 | 5789 | 0 | -10.5 | 16.5 | 0 | 71 | 244 | 8 | 500 | 5839 | 0 | -10.4 | 14.2 | | 1 | 77 | 278 | 8 | 500 | 5797 | 0 | -12.0 | 4.7 | 0 | 76 | 293 | 7 | |
| 700 | 3117 | 0 | 5.6 | 4.7 | 0 | 57 | 244 | 4 | 700 | 3168 | 0 | 5.2 | 15.8 | | 1 | 43 | 283 | 3 | 700 | 3131 | 0 | 7.0 | 31.1 | 0 | 78 | 343 | 5 | |
| 850 | 1503 | 0 | 14.2 | 8.3 | 1 | 18 | 320 | 1 | 850 | 1560 | 0 | 11.6 | 3.3 | | 1 | 34 | 16 | 2 | 850 | 1510 | 0 | 14.9 | 16.3 | 0 | 14 | 139 | 1 | |
| 1013 | * 3 | | 23.5 | 4.9 | | | | | 1015 | * 69 | | 24.0 | 6.2 | | | | | | 1007 | * 75 | | 14.5 | 2.2 | | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|-----|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | | |
| S AMERICA - CHILE PUERTO MONTT 85799 DEC 2008 4126S 07306W OB 2 | | | | | | | | | S AMERICA - CHILE PUNTA ARENAS 85934 DEC 2008 5300S 07051W OB 2 | | | | | | | | | S AMERICA - ARGENTINA SALTA AERO 87047 DEC 2008 2451S 06529W OB / | | | | | | | | | | |
| 030 | | | | | | | | | 030 | | | | | | | | | 030 | 23786 | 0 | -57.0 | | | 9 | 95 | 80 | 14 | |
| 050 | | | | | | | | | 050 | 20554 | 0 | -51.9 | 33.2 | | 3 | 79 | 255 | 12 | 050 | 20631 | 0 | -67.8 | 17.3 | | 5 | 95 | 90 | 14 |
| 100 | 16413 | 0 | -61.0 | 29.8 | 1 | 86 | 259 | 18 | 100 | 16095 | 0 | -53.3 | 32.7 | | 0 | 90 | 260 | 21 | 100 | 16590 | 0 | -74.4 | 11.6 | | 5 | 52 | 220 | 5 |
| 150 | 13861 | 0 | -56.2 | 30.9 | 0 | 88 | 264 | 21 | 150 | 13477 | 0 | -52.8 | 31.8 | | 0 | 93 | 261 | 29 | 150 | 14176 | 0 | -65.3 | 19.3 | | 5 | 94 | 270 | 21 |
| 200 | 12033 | 0 | -56.0 | 21.4 | 0 | 83 | 267 | 19 | 200 | 11626 | 0 | -54.5 | 24.1 | | 0 | 90 | 264 | 31 | 200 | 12381 | 0 | -53.8 | 24.8 | | 5 | 95 | 275 | 29 |
| 300 | 9391 | 0 | -42.0 | 15.5 | 0 | 67 | 256 | 14 | 300 | 9004 | 0 | -46.9 | 13.9 | | 0 | 87 | 266 | 29 | 300 | 9650 | 0 | -32.1 | 20.8 | | 5 | 92 | 270 | 22 |
| 500 | 5726 | 0 | -14.2 | 23.9 | 1 | 69 | 248 | 10 | 500 | 5440 | 0 | -22.2 | 15.5 | | 0 | 91 | 260 | 24 | 500 | 5855 | 0 | -7.2 | 12.5 | | 5 | 63 | 275 | 4 |
| 700 | 3093 | 0 | 1.6 | 18.9 | 1 | 53 | 247 | 6 | 700 | 2890 | 0 | -6.8 | 10.4 | | 0 | 92 | 259 | 21 | 700 | 3150 | 0 | 8.0 | 3.1 | | 5 | 34 | 25 | 1 |
| 850 | 1557 | 0 | 8.7 | 12.1 | 2 | 40 | 218 | 3 | 850 | 1349 | 0 | 1.6 | 6.5 | | 0 | 90 | 267 | 18 | 850 | 1516 | 0 | 17.3 | 4.9 | | 5 | 27 | 85 | 1 |
| 1008 | * 90 | | 11.7 | 1.2 | | | | | 998 | * 43 | | 8.5 | 3.7 | | | | | 880 | *1238 | | 18.1 | 2.4 | | | | | | |
| S AMERICA - ARGENTINA RESISTENCIA AERO 87155 DEC 2008 2727S 05903W OB 2 | | | | | | | | | S AMERICA - ARGENTINA CORDOBA AERO 87344 DEC 2008 3119S 06413W OB / | | | | | | | | | S AMERICA - ARGENTINA EZEIZA AERO 87576 DEC 2008 3449S 05832W OB 3 | | | | | | | | | | |
| 030 | 23798 | 0 | -57.0 | | 2 | 92 | 85 | 12 | 030 | 23825 | 0 | -56.0 | 29.9 | | 8 | 91 | 83 | 8 | 030 | 23833 | 0 | -55.9 | 30.0 | | 3 | 88 | 85 | 9 |
| 050 | 20633 | 0 | -67.3 | | 0 | 90 | 80 | 10 | 050 | 20655 | 0 | -66.4 | 25.5 | | 5 | 77 | 94 | 7 | 050 | 20657 | 0 | -64.6 | 27.3 | | 2 | 95 | 40 | 7 |
| 100 | 16555 | 0 | -72.3 | | 0 | 86 | 225 | 13 | 100 | 16531 | 0 | -69.1 | 22.6 | | 3 | 93 | 246 | 16 | 100 | 16371 | 0 | -65.9 | 25.8 | | 2 | 92 | 250 | 17 |
| 150 | 14121 | 0 | -58.9 | | 0 | 96 | 255 | 26 | 150 | 14064 | 0 | -60.2 | 25.7 | | 2 | 95 | 262 | 29 | 150 | 13968 | 0 | -58.4 | 27.5 | | 2 | 94 | 255 | 26 |
| 200 | 12315 | 0 | -53.3 | | 0 | 96 | 255 | 35 | 200 | 12242 | 0 | -52.8 | 24.7 | | 2 | 96 | 267 | 35 | 200 | 12142 | 0 | -50.7 | 26.8 | | 2 | 93 | 250 | 26 |
| 300 | 9560 | 0 | -34.3 | 14.7 | 0 | 94 | 255 | 27 | 300 | 9542 | 0 | -37.3 | 21.4 | | 2 | 93 | 268 | 21 | 300 | 9473 | 0 | -39.4 | 17.6 | | 2 | 73 | 250 | 21 |
| 500 | 5829 | 0 | -8.4 | 17.8 | 0 | 80 | 235 | 9 | 500 | 5813 | 0 | -10.2 | 17.9 | | 2 | 79 | 263 | 9 | 500 | 5774 | 0 | -12.3 | 18.8 | | 2 | 65 | 245 | 10 |
| 700 | 3139 | 0 | 7.7 | 13.9 | 0 | 55 | 200 | 4 | 700 | 3140 | 0 | 6.0 | 10.7 | | 2 | 21 | 238 | 2 | 700 | 3122 | 0 | 3.8 | 17.2 | | 2 | 26 | 230 | 7 |
| 850 | 1505 | 0 | 17.5 | 10.0 | 0 | 23 | 170 | 2 | 850 | 1518 | 0 | 15.4 | 8.5 | | 2 | 7 | 175 | 1 | 850 | 1517 | 0 | 13.3 | 10.8 | | 2 | 48 | 170 | 7 |
| 1005 | * 53 | | 25.3 | 7.6 | | | | | 960 | * 484 | | 19.8 | 5.4 | | | | | 1013 | * 20 | | 22.0 | 6.4 | | | | | | |
| S AMERICA - ARGENTINA COMODORO RIVADAVIA AERO 87860 DEC 2008 4547S 06730W OB 2 | | | | | | | | | ANTARCTICA - AUSTRALIA (ANTARCTIC) DAVIS 89571 DEC 2008 6835S 07758E OB 3 | | | | | | | | | ANTARCTICA - AUSTRALIA (ANTARCTIC) CASEY 89611 DEC 2008 6617S 11030E OB 3 | | | | | | | | | | |
| 030 | 23881 | 0 | -52.9 | 30.8 | 3 | 43 | 108 | 3 | 030 | 23610 | 0 | -35.3 | 38.4 | | 0 | 70 | 324 | 12 | 030 | 23795 | 0 | -38.1 | 36.1 | | 0 | 63 | 317 | 9 |
| 050 | 20637 | 0 | -58.9 | 28.8 | 1 | 65 | 246 | 6 | 050 | 20102 | 0 | -42.0 | 36.1 | | 0 | 76 | 308 | 14 | 050 | 20301 | 0 | -41.3 | 34.5 | | 1 | 71 | 296 | 13 |
| 100 | 16302 | 0 | -58.3 | 28.7 | 2 | 88 | 256 | 19 | 100 | 15513 | 0 | -51.9 | 32.5 | | 0 | 69 | 298 | 11 | 100 | 15664 | 0 | -48.0 | 31.5 | | 0 | 73 | 286 | 13 |
| 150 | 13736 | 0 | -55.4 | 28.2 | 3 | 89 | 255 | 22 | 150 | 12909 | 0 | -55.1 | 30.6 | | 0 | 65 | 298 | 9 | 150 | 13012 | 0 | -51.2 | 29.2 | | 0 | 57 | 279 | 9 |
| 200 | 11905 | 0 | -56.4 | 18.4 | 3 | 88 | 259 | 26 | 200 | 11076 | 0 | -55.9 | 27.2 | | 0 | 39 | 310 | 5 | 200 | 11149 | 0 | -52.9 | 25.8 | | 0 | 46 | 277 | 7 |
| 300 | 9275 | 0 | -44.1 | 12.8 | 3 | 82 | 258 | 25 | 300 | 8512 | 0 | -55.7 | 10.8 | | 0 | 30 | 44 | 5 | 300 | 8548 | 0 | -53.4 | 11.3 | | 0 | 3 | 320 | 1 |
| 500 | 5651 | 0 | -17.3 | 15.4 | 2 | 81 | 257 | 16 | 500 | 5090 | 0 | -31.9 | 9.3 | | 0 | 48 | 64 | 6 | 500 | 5099 | 0 | -30.1 | 9.4 | | 0 | 15 | 143 | 2 |
| 700 | 3046 | 0 | -1.3 | 13.4 | 1 | 77 | 254 | 10 | 700 | 2638 | 0 | -17.0 | 6.6 | | 0 | 80 | 57 | 8 | 700 | 2634 | 0 | -16.4 | 9.2 | | 0 | 41 | 112 | 4 |
| 850 | 1470 | 0 | 8.7 | 12.1 | 2 | 68 | 245 | 8 | 850 | 1158 | 0 | -8.9 | 3.4 | | 0 | 90 | 46 | 9 | 850 | 1150 | 0 | -8.0 | 8.3 | | 0 | 54 | 71 | 4 |
| 1007 | * 58 | | 17.2 | 16.7 | | | | | 983 | * 23 | | -7 | 7.0 | | | | | 979 | * 42 | | -1.8 | 5.6 | | | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| ANTARCTICA - FRANCE (ANTARCTIC) DUMONT D'URVILLE 89642 DEC 2008 6639S 14000E OB 1 | | | | | | | | | ANTARCTICA - JAPAN (ANTARCTIC) SYOWA 89532 DEC 2008 6900S 03935E OB 1 | | | | | | | | | NTARCTICA - UNITED KINGDOM (ANTARCTIC) HALLEY 89022 DEC 2008 7535S 02639W OB 2 | | | | | | | | |
| 030 | 23924 | 0 | -38.8 | 35.4 | 9 | 73 | 309 | 10 | 030 | 23386 | 0 | -34.8 | 39.8 | 2 | 65 | 318 | 9 | 030 | 23382 | 0 | -31.7 | 39.5 | 5 | 79 | 205 | 11 |
| 050 | 20456 | 0 | -40.6 | 35.2 | 0 | 84 | 303 | 13 | 050 | 19872 | 0 | -42.1 | 34.3 | 1 | 78 | 316 | 12 | 050 | 19833 | 0 | -40.4 | 36.4 | 5 | 78 | 221 | 11 |
| 100 | 15786 | 0 | -45.3 | 34.2 | 0 | 88 | 295 | 14 | 100 | 15330 | 0 | -56.5 | 24.6 | 1 | 73 | 310 | 8 | 100 | 15282 | 0 | -56.2 | 31.0 | 5 | 60 | 235 | 7 |
| 150 | 13095 | 0 | -48.0 | 32.4 | 0 | 82 | 298 | 12 | 150 | 12781 | 0 | -59.7 | 22.5 | 1 | 52 | 330 | 5 | 150 | 12731 | 0 | -59.2 | 27.6 | 5 | 50 | 245 | 5 |
| 200 | 11207 | 0 | -50.1 | 28.6 | 0 | 75 | 293 | 9 | 200 | 10985 | 0 | -60.4 | 21.5 | 1 | 48 | 3 | 5 | 200 | 10932 | 0 | -59.6 | 22.8 | 5 | 40 | 248 | 4 |
| 300 | 8585 | 0 | -51.7 | 13.0 | 0 | 47 | 294 | 8 | 300 | 8444 | 0 | -56.0 | 12.5 | 0 | 60 | 49 | 8 | 300 | 8397 | 0 | -56.9 | 10.4 | 5 | 36 | 223 | 5 |
| 500 | 5117 | 0 | -29.5 | 15.8 | 0 | 23 | 290 | 3 | 500 | 5036 | 0 | -33.8 | 8.2 | 0 | 81 | 67 | 9 | 500 | 4998 | 0 | -34.1 | 10.0 | 5 | 16 | 2 | 1 |
| 700 | 2710 | 0 | -15.4 | 12.1 | 0 | 35 | 118 | 3 | 700 | 2600 | 0 | -17.9 | 8.6 | 0 | 94 | 59 | 10 | 700 | 2570 | 0 | -19.6 | 11.0 | 5 | 80 | 40 | 7 |
| 850 | 1194 | 0 | -9.0 | 13.2 | 0 | 89 | 106 | 9 | 850 | 1123 | 0 | -8.5 | 5.9 | 0 | 96 | 47 | 11 | 850 | 1104 | 0 | -11.6 | 8.0 | 5 | 79 | 47 | 7 |
| 981 | * 43 | | -1.3 | 8.2 | | | | | 978 | * 21 | | -3.1 | 3.8 | | | | | 977 | * 35 | | -6.5 | 2.2 | | | | |
| ANTARCTICA - UNITED KINGDOM (ANTARCTIC) ROTHERA 89062 DEC 2008 6734S 06808W OB | | | | | | | | | W PACIFIC - MALAYSIA (PENIN. MALAYSIA) PENANG/BAYAN LEPAS 48601 DEC 2008 0518N 10010E OB 3 | | | | | | | | | W PACIFIC - MALAYSIA (PENIN. MALAYSIA) KOTA BHARU 48615 DEC 2008 0610N 10210E OB 3 | | | | | | | | |
| 030 | 23707 | 0 | -38.3 | 36.3 | 9 | 62 | 247 | 9 | 030 | 23717 | 0 | -59.7 | 26.5 | 8 | 90 | 267 | 9 | 030 | 23738 | 0 | -59.2 | 27.8 | 9 | 90 | 266 | 9 |
| 050 | 20223 | 0 | -40.8 | 35.6 | 9 | 77 | 243 | 15 | 050 | 20567 | 0 | -66.7 | 21.8 | 7 | 84 | 273 | 8 | 050 | 20584 | 0 | -66.2 | 22.1 | 6 | 80 | 267 | 7 |
| 100 | 15600 | 0 | -48.3 | 32.8 | 9 | 88 | 258 | 21 | 100 | 16564 | 0 | -81.6 | 7.8 | 0 | 87 | 101 | 13 | 100 | 16582 | 0 | -82.1 | 7.3 | 0 | 87 | 106 | 14 |
| 150 | 12950 | 0 | -50.8 | 31.4 | 9 | 92 | 263 | 21 | 150 | 14234 | 0 | -68.8 | 7.7 | 0 | 97 | 115 | 19 | 150 | 14254 | 0 | -68.7 | 7.4 | 0 | 96 | 116 | 18 |
| 200 | 11081 | 0 | -51.3 | 30.6 | 9 | 91 | 260 | 18 | 200 | 12450 | 0 | -53.4 | 8.1 | 0 | 95 | 116 | 13 | 200 | 12468 | 0 | -53.3 | 7.7 | 0 | 95 | 119 | 13 |
| 300 | 8458 | 0 | -51.5 | 17.0 | 9 | 80 | 259 | 14 | 300 | 9704 | 0 | -30.2 | 8.2 | 0 | 86 | 99 | 7 | 300 | 9719 | 0 | -29.9 | 7.4 | 0 | 88 | 100 | 7 |
| 500 | 5018 | 0 | -31.9 | 9.8 | 9 | 66 | 260 | 9 | 500 | 5868 | 0 | -4.7 | 9.8 | 0 | 74 | 72 | 5 | 500 | 5878 | 0 | -4.3 | 11.1 | 0 | 82 | 66 | 6 |
| 700 | 2570 | 0 | -17.3 | 4.6 | 9 | 61 | 280 | 6 | 700 | 3144 | 0 | 9.8 | 9.2 | 0 | 31 | 66 | 2 | 700 | 3151 | 0 | 10.2 | 5.3 | 0 | 71 | 57 | 4 |
| 850 | 1089 | 0 | -8.2 | 2.5 | 9 | 64 | 331 | 5 | 850 | 1502 | 0 | 18.3 | 17.7 | 0 | 71 | 59 | 3 | 850 | 1510 | 0 | 17.2 | 1.7 | 0 | 91 | 56 | 7 |
| 975 | * 33 | | -3 | 3.8 | | | | | 1009 | * 4 | | 26.4 | 3.8 | | | | | 1010 | * 5 | | 24.9 | 2.5 | | | | |
| SW PACIFIC - MALAYSIA (PENIN. MALAYSIA) KUANTAN 48657 DEC 2008 0347N 10310E OB 3 | | | | | | | | | SW PACIFIC - SINGAPORE SINGAPORE/CHANGI AIRPORT 48698 DEC 2008 0122N 10350E OB 3 | | | | | | | | | SW PACIFIC - NEW CALEDONIA NOUMEA (NLLE-CALEDONIE) 91592 DEC 2008 2217S 16627E OB 3 | | | | | | | | |
| 030 | 23707 | 0 | -59.3 | 26.1 | 9 | 93 | 271 | 11 | 030 | 23678 | 0 | -59.6 | 30.6 | 0 | 92 | 267 | 11 | 030 | 23779 | 0 | -57.3 | | 9 | 97 | 91 | 14 |
| 050 | 20561 | 0 | -66.2 | 21.3 | 9 | 89 | 271 | 8 | 050 | 20535 | 0 | -66.3 | 25.2 | 0 | 84 | 278 | 9 | 050 | 20619 | 0 | -66.0 | | 1 | 95 | 91 | 9 |
| 100 | 16569 | 0 | -82.2 | 7.5 | 8 | 80 | 109 | 12 | 100 | 16531 | 0 | -82.1 | 7.2 | 0 | 88 | 96 | 15 | 100 | 16558 | 0 | -76.6 | | 1 | 81 | 269 | 11 |
| 150 | 14241 | 0 | -68.7 | 7.5 | 8 | 96 | 107 | 18 | 150 | 14208 | 0 | -69.0 | 7.1 | 0 | 97 | 99 | 20 | 150 | 14164 | 0 | -65.8 | | 1 | 85 | 263 | 21 |
| 200 | 12457 | 0 | -53.4 | 7.8 | 8 | 95 | 109 | 14 | 200 | 12426 | 0 | -53.7 | 7.3 | 0 | 95 | 101 | 15 | 200 | 12372 | 0 | -53.5 | | 0 | 79 | 275 | 22 |
| 300 | 9709 | 0 | -30.0 | 7.9 | 8 | 82 | 91 | 6 | 300 | 9682 | 0 | -30.5 | 6.9 | 0 | 76 | 111 | 5 | 300 | 9645 | 0 | -32.8 | 13.7 | 0 | 83 | 281 | 18 |
| 500 | 5870 | 0 | -4.4 | 8.8 | 8 | 71 | 67 | 5 | 500 | 5850 | 0 | -5.2 | 4.8 | 0 | 33 | 299 | 2 | 500 | 5846 | 0 | -6.0 | 18.6 | 0 | 88 | 271 | 11 |
| 700 | 3145 | 0 | 9.9 | 4.8 | 8 | 44 | 17 | 2 | 700 | 3131 | 0 | 9.3 | 4.0 | 0 | 74 | 302 | 5 | 700 | 3131 | 0 | 9.4 | 8.9 | 0 | 64 | 285 | 5 |
| 850 | 1504 | 0 | 17.6 | 2.8 | 8 | 91 | 19 | 7 | 850 | 1492 | 0 | 17.6 | 3.1 | 0 | 81 | 319 | 6 | 850 | 1499 | 0 | 16.6 | 4.9 | 0 | 20 | 310 | 1 |
| 1009 | * 16 | | 24.6 | 1.8 | | | | | 1007 | * 16 | | 26.4 | 3.9 | | | | | 1003 | * 72 | | 24.9 | 3.8 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|------|----------------------|--------------|------------|-----------|-------|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | |
| SW PACIFIC - KIRIBATI TARAWA 91610 DEC 2008 0121N 17250E OB 3 | | | | | | | | | SW PACIFIC - TUVALU FUNAFUTI 91643 DEC 2008 0831S 17910E OB 3 | | | | | | | | | SW PACIFIC - FIJI NADI AIRPORT 91680 DEC 2008 1745S 17720E OB 3 | | | | | | | | | |
| 030 | 23710 | 0 | -59.5 | | 2 | 94 | 272 | 13 | 030 | 23717 | 0 | -58.9 | | | 4 | 31 | 95 | 2 | 030 | 23731 | 0 | -60.1 | | | | | |
| 050 | 20573 | 0 | -67.3 | | 3 | 93 | 272 | 10 | 050 | 20576 | 0 | -67.5 | | | 5 | 35 | 15 | 2 | 050 | 20574 | 0 | -66.5 | | | | | |
| 100 | 16594 | 0 | -83.0 | | 0 | 70 | 306 | 6 | 100 | 16592 | 0 | -82.3 | | | 5 | 69 | 243 | 6 | 100 | 16562 | 0 | -79.6 | 9.9 | | | | |
| 150 | 14256 | 0 | -67.8 | | 0 | 92 | 270 | 13 | 150 | 14248 | 0 | -67.8 | | | 4 | 84 | 231 | 9 | 150 | 14203 | 0 | -68.3 | 10.3 | | | | |
| 200 | 12463 | 0 | -52.8 | | 0 | 84 | 270 | 11 | 200 | 12459 | 0 | -53.1 | | | 4 | 74 | 213 | 7 | 200 | 12420 | 0 | -53.9 | 12.0 | | | | |
| 300 | 9710 | 0 | -29.8 | 18.0 | 0 | 66 | 267 | 6 | 300 | 9710 | 0 | -30.3 | 13.0 | | 2 | 47 | 180 | 4 | 300 | 9683 | 0 | -31.1 | 13.6 | | | | |
| 500 | 5872 | 0 | -4.0 | 20.0 | 0 | 60 | 68 | 4 | 500 | 5873 | 0 | -4.5 | 10.6 | | 2 | 38 | 116 | 2 | 500 | 5859 | 0 | -5.0 | 13.1 | 9 | 47 | 314 | 3 |
| 700 | 3142 | 0 | 11.3 | 15.8 | 0 | 62 | 91 | 4 | 700 | 3145 | 0 | 10.8 | 9.2 | | 2 | 64 | 84 | 4 | 700 | 3136 | 0 | 9.7 | 10.4 | 5 | 29 | 346 | 2 |
| 850 | 1495 | 0 | 18.5 | 8.6 | 0 | 80 | 89 | 6 | 850 | 1499 | 0 | 18.4 | 4.3 | | 1 | 77 | 68 | 5 | 850 | 1498 | 0 | 17.6 | 3.7 | 3 | 55 | 45 | 2 |
| 1009 | * 4 | | 30.0 | 7.8 | | | | | 1009 | * 2 | | 29.7 | 5.0 | | | | | | 1008 | * 18 | | 30.0 | 6.9 | | | | |
| SW PACIFIC - COOK ISLANDS PENRHYN 91801 DEC 2008 0902S 15800W OB | | | | | | | | | W PACIFIC - FRENCH POLY. (MARQUESAS IS) ATUONA 91925 DEC 2008 0949S 13902W OB 1 | | | | | | | | | SW PACIFIC - FRENCH POLY. (TUAMOTU IS) RIKITEA 91948 DEC 2008 2308S 13458W OB 1 | | | | | | | | | |
| 030 | 23687 | 0 | -59.2 | 17.7 | 1 | 98 | 85 | 10 | 030 | 23701 | 0 | -58.9 | 18.0 | | 2 | 77 | 94 | 5 | 030 | 23810 | 0 | -55.6 | | 6 | | 86 | 13 |
| 050 | 20546 | 0 | -67.3 | 11.7 | 1 | 89 | 86 | 7 | 050 | 20557 | 0 | -67.5 | 11.5 | | 1 | 20 | 39 | 1 | 050 | 20620 | 0 | -64.1 | | 2 | 93 | 85 | 7 |
| 100 | 16534 | 0 | -79.5 | 6.8 | 2 | 64 | 197 | 6 | 100 | 16500 | 0 | -77.0 | 9.3 | | 1 | 89 | 261 | 16 | 100 | 16451 | 0 | -70.7 | | 1 | 80 | 253 | 8 |
| 150 | 14185 | 0 | -68.5 | 7.6 | 2 | 72 | 200 | 12 | 150 | 14135 | 0 | -68.4 | 7.7 | | 0 | 85 | 256 | 18 | 150 | 14042 | 0 | -68.9 | | 1 | 83 | 238 | 18 |
| 200 | 12402 | 0 | -54.4 | 9.0 | 2 | 67 | 189 | 10 | 200 | 12363 | 0 | -55.1 | 8.3 | | 0 | 78 | 247 | 13 | 200 | 12284 | 0 | -57.8 | | 1 | 80 | 243 | 16 |
| 300 | 9672 | 0 | -31.9 | 11.4 | 2 | 50 | 183 | 5 | 300 | 9648 | 0 | -33.5 | 29.9 | | 0 | 58 | 227 | 6 | 300 | 9596 | 0 | -35.6 | 16.9 | 1 | 78 | 250 | 13 |
| 500 | 5860 | 0 | -6.1 | 9.0 | 1 | 29 | 164 | 2 | 500 | 5857 | 0 | -6.4 | 27.1 | | 0 | 62 | 68 | 4 | 500 | 5834 | 0 | -8.9 | 17.9 | 1 | 75 | 268 | 8 |
| 700 | 3144 | 0 | 9.5 | 7.0 | 0 | 55 | 65 | 3 | 700 | 3138 | 0 | 11.3 | 29.0 | | 0 | 85 | 73 | 6 | 700 | 3149 | 0 | 6.5 | 13.0 | 1 | 63 | 283 | 5 |
| 850 | 1506 | 0 | 17.6 | 5.0 | 0 | 70 | 49 | 4 | 850 | 1504 | 0 | 15.9 | 15.8 | | 0 | 93 | 88 | 7 | 850 | 1531 | 0 | 14.3 | 4.7 | 1 | 36 | 344 | 3 |
| 1009 | * 1 | | 29.6 | 5.5 | | | | | 1005 | * 53 | | 29.6 | 8.2 | | | | | | 1005 | * 91 | | 25.6 | 25.5 | | | | |
| SW PACIFIC - FRENCH POLY. (AUSTRAL IS) TUBUAI 91954 DEC 2008 2321S 14929W OB | | | | | | | | | SW PACIFIC - FRENCH POLY. (AUSTRAL IS) RAPA 91958 DEC 2008 2737S 14420W OB 1 | | | | | | | | | SW PACIFIC - NEW ZEALAND WHENUAPAI 93112 DEC 2008 3647S 17430E OB 1 | | | | | | | | | |
| 030 | 23804 | 0 | -56.5 | | 9 | 96 | 85 | 12 | 030 | 23846 | 0 | -54.9 | | | 4 | 95 | 85 | 10 | 030 | 23871 | 0 | -55.4 | 30.8 | 0 | 97 | 86 | 10 |
| 050 | 20632 | 0 | -64.1 | | 2 | 89 | 87 | 9 | 050 | 20633 | 0 | -62.0 | | | 0 | 71 | 89 | 5 | 050 | 20654 | 0 | -60.5 | 29.2 | 0 | 72 | 68 | 5 |
| 100 | 16513 | 0 | -74.5 | | 0 | 71 | 221 | 6 | 100 | 16455 | 0 | -71.0 | | | 0 | 86 | 227 | 10 | 100 | 16380 | 0 | -63.3 | 27.4 | 0 | 87 | 292 | 13 |
| 150 | 14133 | 0 | -68.6 | | 0 | 74 | 237 | 14 | 150 | 14039 | 0 | -67.2 | | | 0 | 87 | 236 | 20 | 150 | 13860 | 0 | -58.6 | 27.2 | 0 | 89 | 289 | 24 |
| 200 | 12362 | 0 | -55.7 | | 0 | 62 | 247 | 12 | 200 | 12269 | 0 | -57.0 | | | 0 | 80 | 244 | 21 | 200 | 12041 | 0 | -55.6 | 21.1 | 0 | 83 | 297 | 29 |
| 300 | 9649 | 0 | -33.5 | 12.6 | 0 | 69 | 261 | 9 | 300 | 9580 | 0 | -35.6 | 17.1 | | 0 | 82 | 247 | 16 | 300 | 9379 | 0 | -39.9 | 16.6 | 0 | 84 | 297 | 23 |
| 500 | 5856 | 0 | -7.0 | 12.2 | 0 | 56 | 259 | 5 | 500 | 5819 | 0 | -8.4 | 23.5 | | 0 | 71 | 246 | 8 | 500 | 5695 | 0 | -13.6 | 22.4 | 0 | 82 | 287 | 11 |
| 700 | 3151 | 0 | 8.6 | 9.1 | 0 | 50 | 271 | 3 | 700 | 3130 | 0 | 6.4 | 17.1 | | 0 | 58 | 249 | 4 | 700 | 3056 | 0 | 2.0 | 22.5 | 0 | 74 | 293 | 7 |
| 850 | 1521 | 0 | 15.4 | 3.8 | 0 | 9 | 321 | 1 | 850 | 1516 | 0 | 12.8 | 4.5 | | 0 | 8 | 290 | 1 | 850 | 1467 | 0 | 8.5 | 10.6 | 0 | 40 | 308 | 4 |
| 1013 | * 3 | | 26.8 | 4.3 | | | | | 1015 | * 2 | | 24.0 | 4.8 | | | | | | 1009 | * 30 | | 19.7 | 4.8 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| SW PACIFIC - NEW ZEALAND PARAPARAUMU AERODROME 93417 DEC 2008 4054S 17450E OB 1 | | | | | | | | | SW PACIFIC - NEW ZEALAND INVERCARGILL AERODROME 93844 DEC 2008 4625S 16810E OB 1 | | | | | | | | | SW PACIFIC - NEW ZEALAND CHATHAM ISLAND 93986 DEC 2008 4357S 17630W OB 1 | | | | | | | | |
| 030 | 23909 | 0 | -54.3 | 31.3 | 8 | 97 | 83 | 9 | 030 | 23977 | 0 | -52.1 | 31.9 | | | | | 030 | 23948 | 0 | -53.5 | 32.8 | 7 | 96 | 84 | 9 |
| 050 | 20665 | 0 | -58.2 | 29.4 | 2 | 73 | 51 | 3 | 050 | 20680 | 0 | -54.4 | 31.6 | | | | | 050 | 20689 | 0 | -57.1 | 31.9 | 3 | 42 | 52 | 2 |
| 100 | 16335 | 0 | -60.2 | 27.2 | 1 | 89 | 301 | 12 | 100 | 16249 | 0 | -55.5 | 30.8 | 5 | 91 | 295 | 12 | 100 | 16334 | 0 | -58.9 | 27.4 | 3 | 88 | 293 | 12 |
| 150 | 13777 | 0 | -56.0 | 27.4 | 0 | 90 | 296 | 20 | 150 | 13648 | 0 | -53.0 | 29.9 | 3 | 87 | 296 | 18 | 150 | 13777 | 0 | -55.7 | 31.6 | 2 | 94 | 291 | 20 |
| 200 | 11945 | 0 | -55.4 | 20.3 | 0 | 88 | 296 | 22 | 200 | 11794 | 0 | -54.1 | 22.5 | 4 | 83 | 301 | 21 | 200 | 11940 | 0 | -55.0 | 21.6 | 2 | 91 | 295 | 23 |
| 300 | 9301 | 0 | -42.6 | 13.5 | 1 | 78 | 296 | 15 | 300 | 9168 | 0 | -45.0 | 10.7 | 4 | 79 | 302 | 21 | 300 | 9298 | 0 | -43.0 | 16.1 | 2 | 84 | 299 | 19 |
| 500 | 5648 | 0 | -15.2 | 18.8 | 2 | 76 | 296 | 10 | 500 | 5553 | 0 | -18.5 | 16.8 | 3 | 79 | 291 | 14 | 500 | 5657 | 0 | -15.9 | 20.1 | 0 | 74 | 297 | 11 |
| 700 | 3023 | 0 | .2 | 17.6 | 2 | 81 | 305 | 9 | 700 | 2964 | 0 | -3.2 | 14.2 | 3 | 81 | 296 | 11 | 700 | 3033 | 0 | .7 | 20.2 | 0 | 70 | 305 | 9 |
| 850 | 1446 | 0 | 7.2 | 8.0 | 0 | 73 | 326 | 7 | 850 | 1405 | 0 | 4.2 | 8.0 | 7 | 71 | 305 | 7 | 850 | 1453 | 0 | 7.7 | 7.5 | 0 | 57 | 309 | 6 |
| 1010 | * 12 | | 17.2 | 4.6 | | | | | 1007 | * 4 | | 14.0 | 5.3 | | | | | 1006 | * 48 | | 15.9 | 3.4 | | | | |
| SW PACIFIC - NEW ZEALAND RAOUL ISLAND, KERMADEC IS. 93997 DEC 2008 2915S 17750W OB 1 | | | | | | | | | SW PACIFIC - AUSTRALIA DARWIN AIRPORT 94120 DEC 2008 1225S 13050E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA GOVE AIRPORT 94150 DEC 2008 1217S 13640E OB / | | | | | | | | |
| 030 | | | | | | | | | 030 | 23711 | 0 | -58.5 | 30.9 | 3 | 88 | 86 | 9 | 030 | | | | | | | | |
| 050 | 20638 | 0 | -63.9 | 25.1 | 8 | 91 | 89 | 7 | 050 | 20562 | 0 | -66.4 | 26.6 | 3 | 90 | 97 | 8 | 050 | | | | | | | | |
| 100 | 16493 | 0 | -71.5 | | 3 | 84 | 285 | 10 | 100 | 16602 | 0 | -84.2 | 7.8 | 1 | 96 | 85 | 15 | 100 | 16604 | 0 | -84.6 | 8.0 | 2 | 93 | 102 | 14 |
| 150 | 14061 | 0 | -64.5 | 22.8 | 1 | 86 | 278 | 22 | 150 | 14270 | 0 | -67.5 | 8.2 | 1 | 79 | 99 | 8 | 150 | 14272 | 0 | -67.3 | 8.9 | 1 | 80 | 118 | 8 |
| 200 | 12269 | 0 | -55.6 | 14.4 | 1 | 79 | 278 | 26 | 200 | 12474 | 0 | -52.0 | 9.9 | 0 | 64 | 89 | 5 | 200 | 12475 | 0 | -51.9 | 9.7 | 1 | 69 | 101 | 6 |
| 300 | 9569 | 0 | -35.3 | 14.4 | 1 | 76 | 284 | 19 | 300 | 9712 | 0 | -29.1 | 8.7 | 0 | 67 | 52 | 5 | 300 | 9712 | 0 | -29.1 | 14.2 | 2 | 42 | 71 | 3 |
| 500 | 5814 | 0 | -9.1 | 17.0 | 1 | 82 | 290 | 12 | 500 | 5867 | 0 | -4.5 | 8.3 | 0 | 20 | 10 | 2 | 500 | 5868 | 0 | -4.6 | 9.4 | 2 | 39 | 62 | 3 |
| 700 | 3131 | 0 | 6.5 | 17.7 | 0 | 70 | 291 | 6 | 700 | 3140 | 0 | 10.6 | 10.3 | 0 | 20 | 48 | 2 | 700 | 3142 | 0 | 10.4 | 7.0 | 2 | 29 | 76 | 2 |
| 850 | 1515 | 0 | 12.9 | 5.7 | 0 | 50 | 303 | 3 | 850 | 1494 | 0 | 19.3 | 5.1 | 0 | 24 | 1 | 2 | 850 | 1497 | 0 | 19.2 | 4.9 | 2 | 44 | 34 | 3 |
| 1009 | * 49 | | 23.4 | 4.1 | | | | | 1005 | * 35 | | 28.7 | 4.1 | | | | | 1002 | * 54 | | 29.4 | 29.0 | | | | |
| SW PACIFIC - AUSTRALIA WEIPA AERO 94170 DEC 2008 1241S 14150E OB | | | | | | | | | SW PACIFIC - AUSTRALIA BROOME AIRPORT 94203 DEC 2008 1757S 12210E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA TOWNSVILLE AERO 94294 DEC 2008 1915S 14640E OB / | | | | | | | | |
| 030 | | | | | | | | | 030 | 23729 | 0 | -57.6 | 30.2 | 6 | 97 | 91 | 14 | 030 | 23738 | 0 | -57.5 | 30.4 | 1 | 98 | 85 | 15 |
| 050 | | | | | | | | | 050 | 20577 | 0 | -66.6 | 26.3 | 6 | 97 | 95 | 12 | 050 | 20583 | 0 | -67.5 | 23.7 | 1 | 95 | 93 | 10 |
| 100 | | | | | | | | | 100 | 16609 | 0 | -83.0 | 8.9 | 5 | 31 | 110 | 2 | 100 | 16604 | 0 | -81.9 | 9.4 | 1 | 76 | 213 | 9 |
| 150 | 14276 | 0 | -67.2 | 9.4 | 4 | 75 | 138 | 7 | 150 | 14267 | 0 | -66.8 | 9.7 | 5 | 57 | 341 | 5 | 150 | 14253 | 0 | -66.6 | 13.1 | 1 | 88 | 227 | 14 |
| 200 | 12480 | 0 | -52.0 | 12.9 | 4 | 53 | 147 | 4 | 200 | 12468 | 0 | -51.9 | 12.5 | 4 | 47 | 332 | 4 | 200 | 12454 | 0 | -52.2 | 16.5 | 1 | 87 | 234 | 14 |
| 300 | 9719 | 0 | -29.3 | 15.7 | 4 | 42 | 109 | 3 | 300 | 9708 | 0 | -29.4 | 23.1 | 1 | 34 | 311 | 2 | 300 | 9705 | 0 | -30.6 | 22.4 | 1 | 71 | 248 | 9 |
| 500 | 5876 | 0 | -4.3 | 12.8 | 3 | 70 | 65 | 5 | 500 | 5866 | 0 | -4.3 | 23.4 | 1 | 25 | 84 | 2 | 500 | 5878 | 0 | -4.9 | 18.9 | 2 | 54 | 247 | 4 |
| 700 | 3151 | 0 | 10.5 | 8.7 | 3 | 40 | 76 | 3 | 700 | 3143 | 0 | 10.7 | 10.8 | 2 | 66 | 71 | 6 | 700 | 3157 | 0 | 10.1 | 10.2 | 2 | 46 | 145 | 4 |
| 850 | 1504 | 0 | 19.2 | 18.8 | 3 | 44 | 81 | 3 | 850 | 1493 | 0 | 20.9 | 10.0 | 2 | 16 | 354 | 1 | 850 | 1512 | 0 | 18.8 | 7.1 | 3 | 53 | 63 | 3 |
| 1007 | * 19 | | 29.2 | 5.4 | | | | | 1007 | * 17 | | 29.4 | 6.6 | | | | | 1010 | * 9 | | 29.7 | 7.1 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | TEMPERATURE | | | VECTOR WIND | | | | | |
|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|-------------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| SW PACIFIC - AUSTRALIA LEARMONTH AIRPORT 94302 DEC 2008 2214S 11400E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA PORT HEDLAND AIRPORT 94312 DEC 2008 2022S 11830E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA ALICE SPRINGS AIRPORT 94326 DEC 2008 2348S 13350E OB / | | | | | | | | |
| 030 | 23755 | 0 | -57.5 | 31.5 | 9 | 98 | 91 | 16 | 030 | 23747 | 0 | -57.4 | 31.3 | 0 | 98 | 90 | 16 | 030 | 23769 | 0 | -56.6 | 31.3 | 4 | 97 | 86 | 15 |
| 050 | 20589 | 0 | -65.5 | 28.0 | 9 | 99 | 91 | 12 | 050 | 20587 | 0 | -66.1 | 25.8 | 0 | 98 | 91 | 13 | 050 | 20608 | 0 | -66.5 | 26.9 | 2 | 96 | 87 | 11 |
| 100 | 16584 | 0 | -81.3 | 12.0 | 9 | 79 | 297 | 10 | 100 | 16604 | 0 | -83.3 | 9.8 | 0 | 75 | 298 | 6 | 100 | 16586 | 0 | -80.1 | 12.3 | 1 | 91 | 260 | 13 |
| 150 | 14227 | 0 | -65.9 | 16.0 | 9 | 95 | 307 | 20 | 150 | 14255 | 0 | -66.3 | 12.5 | 0 | 87 | 306 | 11 | 150 | 14216 | 0 | -65.9 | 16.0 | 1 | 98 | 260 | 23 |
| 200 | 12423 | 0 | -51.5 | 20.4 | 9 | 95 | 292 | 20 | 200 | 12452 | 0 | -51.5 | 19.1 | 0 | 86 | 296 | 11 | 200 | 12414 | 0 | -52.0 | 16.9 | 1 | 97 | 265 | 24 |
| 300 | 9669 | 0 | -30.6 | 30.2 | 9 | 94 | 278 | 16 | 300 | 9694 | 0 | -30.0 | 26.8 | 0 | 83 | 269 | 9 | 300 | 9668 | 0 | -30.7 | 19.5 | 1 | 94 | 269 | 19 |
| 500 | 5853 | 0 | -5.2 | 32.7 | 9 | 59 | 268 | 5 | 500 | 5861 | 0 | -4.5 | 30.1 | 0 | 35 | 266 | 3 | 500 | 5856 | 0 | -6.3 | 20.4 | 1 | 74 | 270 | 6 |
| 700 | 3136 | 0 | 10.9 | 20.2 | 9 | 38 | 17 | 4 | 700 | 3139 | 0 | 10.7 | 13.8 | 0 | 50 | 53 | 4 | 700 | 3151 | 0 | 9.6 | 11.4 | 2 | 47 | 288 | 3 |
| 850 | 1486 | 0 | 21.1 | 21.8 | 9 | 26 | 90 | 2 | 850 | 1488 | 0 | 21.8 | 14.4 | 0 | 21 | 58 | 2 | 850 | 1507 | 0 | 20.0 | 14.1 | 1 | 38 | 42 | 3 |
| 1008 | * 6 | | 24.7 | 9.0 | | | | | 1006 | * 10 | | 28.7 | 10.8 | | | | | 949 | * 547 | | 27.8 | 17.6 | | | | |
| SW PACIFIC - AUSTRALIA MOUNT ISA AERO 94332 DEC 2008 2041S 13920E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA ROCKHAMPTON AERO 94374 DEC 2008 2323S 15020E OB | | | | | | | | | SW PACIFIC - AUSTRALIA GERALDTON AIRPORT 94403 DEC 2008 2848S 11440E OB / | | | | | | | | |
| 030 | 23749 | 0 | -57.5 | 31.0 | 0 | 96 | 86 | 15 | 030 | 23771 | 0 | -56.6 | 29.0 | 1 | 97 | 82 | 14 | 030 | 23810 | 0 | -55.6 | 31.6 | 2 | 99 | 95 | 12 |
| 050 | 20588 | 0 | -67.0 | 26.0 | 0 | 96 | 90 | 11 | 050 | 20603 | 0 | -66.4 | 25.2 | 0 | 93 | 86 | 8 | 050 | 20626 | 0 | -64.8 | 26.3 | 2 | 79 | 90 | 6 |
| 100 | 16605 | 0 | -82.8 | 10.0 | 0 | 79 | 230 | 9 | 100 | 16564 | 0 | -78.3 | 14.0 | 0 | 89 | 240 | 15 | 100 | 16516 | 0 | -73.1 | 18.4 | 1 | 95 | 275 | 20 |
| 150 | 14255 | 0 | -66.3 | 13.8 | 0 | 94 | 241 | 13 | 150 | 14189 | 0 | -65.8 | 16.6 | 0 | 93 | 244 | 26 | 150 | 14093 | 0 | -62.9 | 22.9 | 1 | 97 | 280 | 36 |
| 200 | 12456 | 0 | -52.1 | 14.9 | 0 | 95 | 247 | 15 | 200 | 12388 | 0 | -52.7 | 18.1 | 0 | 88 | 243 | 27 | 200 | 12273 | 0 | -51.7 | 23.6 | 0 | 96 | 278 | 40 |
| 300 | 9704 | 0 | -30.3 | 20.4 | 0 | 85 | 257 | 11 | 300 | 9652 | 0 | -32.4 | 17.7 | 0 | 88 | 250 | 21 | 300 | 9549 | 0 | -35.4 | 22.9 | 0 | 90 | 273 | 29 |
| 500 | 5873 | 0 | -4.6 | 24.0 | 0 | 44 | 263 | 3 | 500 | 5854 | 0 | -6.0 | 25.9 | 0 | 84 | 250 | 9 | 500 | 5800 | 0 | -8.5 | 31.2 | 0 | 81 | 270 | 14 |
| 700 | 3156 | 0 | 10.0 | 12.1 | 0 | 22 | 121 | 2 | 700 | 3146 | 0 | 8.6 | 12.2 | 1 | 59 | 220 | 5 | 700 | 3114 | 0 | 7.4 | 25.6 | 0 | 68 | 277 | 6 |
| 850 | 1508 | 0 | 21.1 | 14.3 | 0 | 19 | 10 | 1 | 850 | 1511 | 0 | 17.9 | 17.1 | 0 | 35 | 45 | 2 | 850 | 1493 | 0 | 15.3 | 15.6 | 1 | 26 | 147 | 2 |
| 971 | * 342 | | 31.6 | 19.3 | | | | | 1010 | * 14 | | 28.8 | 8.7 | | | | | 1008 | * 37 | | 21.1 | 20.8 | | | | |
| SW PACIFIC - AUSTRALIA MEEKATHARRA AIRPORT 94430 DEC 2008 2637S 11830E OB 2 | | | | | | | | | SW PACIFIC - AUSTRALIA GILES METEOROLOGICAL OFFICE 94461 DEC 2008 2502S 12810E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA CHARLEVILLE AERO 94510 DEC 2008 2625S 14610E OB / | | | | | | | | |
| 030 | 23798 | 0 | -56.5 | 31.9 | 2 | 97 | 90 | 14 | 030 | 23782 | 0 | -57.0 | 30.0 | 3 | 98 | 89 | 14 | 030 | 23787 | 0 | -56.4 | 31.6 | 1 | 95 | 79 | 12 |
| 050 | 20614 | 0 | -65.2 | 28.6 | 2 | 85 | 98 | 8 | 050 | 20611 | 0 | -65.9 | 27.9 | 3 | 96 | 94 | 11 | 050 | 20611 | 0 | -65.4 | 28.1 | 1 | 91 | 76 | 7 |
| 100 | 16553 | 0 | -77.0 | 16.6 | 1 | 94 | 278 | 19 | 100 | 16585 | 0 | -79.6 | 14.0 | 3 | 92 | 273 | 16 | 100 | 16535 | 0 | -76.4 | 16.3 | 1 | 95 | 248 | 21 |
| 150 | 14163 | 0 | -64.4 | 21.9 | 1 | 97 | 283 | 34 | 150 | 14215 | 0 | -65.8 | 20.5 | 2 | 98 | 274 | 28 | 150 | 14142 | 0 | -64.3 | 20.8 | 1 | 94 | 247 | 32 |
| 200 | 12351 | 0 | -51.5 | 25.2 | 1 | 96 | 279 | 35 | 200 | 12411 | 0 | -51.9 | 17.6 | 2 | 96 | 278 | 27 | 200 | 12335 | 0 | -52.7 | 19.5 | 1 | 95 | 250 | 36 |
| 300 | 9609 | 0 | -32.8 | 25.4 | 1 | 95 | 275 | 29 | 300 | 9661 | 0 | -31.0 | 20.8 | 2 | 94 | 276 | 22 | 300 | 9610 | 0 | -33.8 | 16.1 | 1 | 91 | 255 | 25 |
| 500 | 5827 | 0 | -7.7 | 29.8 | 0 | 88 | 276 | 13 | 500 | 5853 | 0 | -6.4 | 17.3 | 0 | 84 | 274 | 9 | 500 | 5834 | 0 | -7.5 | 23.8 | 1 | 91 | 250 | 13 |
| 700 | 3132 | 0 | 9.1 | 18.4 | 0 | 69 | 293 | 7 | 700 | 3147 | 0 | 9.4 | 10.8 | 0 | 53 | 297 | 5 | 700 | 3139 | 0 | 8.2 | 7.7 | 1 | 87 | 270 | 9 |
| 850 | 1492 | 0 | 19.8 | 16.9 | 0 | 53 | 57 | 4 | 850 | 1501 | 0 | 20.3 | 12.4 | 1 | 38 | 13 | 4 | 850 | 1503 | 0 | 19.1 | 11.8 | 1 | 72 | 322 | 5 |
| 951 | * 522 | | 25.6 | 17.9 | | | | | 943 | * 599 | | 26.2 | 13.7 | | | | | 975 | * 306 | | 29.2 | 16.0 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| SW PACIFIC - AUSTRALIA BRISBANE AERO 94578 DEC 2008 2723S 15300E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA PERTH AIRPORT 94610 DEC 2008 3156S 11550E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA KALGOORLIE-BOULDER AIRPORT 94637 DEC 2008 3047S 12120E OB / | | | | | | | | |
| 030 | 23791 | 0 | -56.1 | 31.8 | 2 | 99 | 79 | 12 | 030 | 23820 | 0 | -55.6 | 31.9 | 0 | 94 | 92 | 9 | 030 | 23820 | 0 | -55.6 | 32.1 | 2 | 95 | 92 | 11 |
| 050 | 20608 | 0 | -64.3 | 27.6 | 1 | 93 | 81 | 6 | 050 | 20622 | 0 | -63.3 | 28.4 | 0 | 62 | 72 | 4 | 050 | 20625 | 0 | -63.5 | 29.3 | 2 | 63 | 99 | 4 |
| 100 | 16496 | 0 | -73.3 | 18.9 | 1 | 91 | 254 | 16 | 100 | 16449 | 0 | -68.9 | 21.7 | 0 | 95 | 277 | 20 | 100 | 16481 | 0 | -71.1 | 21.0 | 1 | 96 | 273 | 23 |
| 150 | 14074 | 0 | -63.7 | 20.2 | 0 | 92 | 251 | 31 | 150 | 13985 | 0 | -60.9 | 24.4 | 0 | 96 | 279 | 38 | 150 | 14043 | 0 | -62.0 | 24.9 | 1 | 97 | 278 | 40 |
| 200 | 12270 | 0 | -53.7 | 18.7 | 0 | 89 | 248 | 34 | 200 | 12161 | 0 | -52.7 | 23.0 | 0 | 96 | 277 | 39 | 200 | 12221 | 0 | -51.4 | 25.7 | 1 | 96 | 277 | 43 |
| 300 | 9563 | 0 | -35.6 | 16.9 | 0 | 89 | 258 | 25 | 300 | 9466 | 0 | -38.1 | 20.1 | 0 | 85 | 272 | 26 | 300 | 9509 | 0 | -36.7 | 21.5 | 0 | 95 | 276 | 30 |
| 500 | 5808 | 0 | -8.6 | 22.8 | 1 | 94 | 260 | 14 | 500 | 5755 | 0 | -11.3 | 28.1 | 0 | 79 | 271 | 13 | 500 | 5779 | 0 | -10.6 | 25.2 | 0 | 90 | 280 | 16 |
| 700 | 3124 | 0 | 6.6 | 14.8 | 0 | 91 | 249 | 8 | 700 | 3094 | 0 | 5.1 | 24.7 | 0 | 70 | 274 | 6 | 700 | 3107 | 0 | 6.3 | 18.1 | 0 | 77 | 278 | 8 |
| 850 | 1503 | 0 | 15.9 | 8.8 | 1 | 62 | 267 | 5 | 850 | 1487 | 0 | 12.7 | 13.9 | 0 | 27 | 236 | 2 | 850 | 1489 | 0 | 15.2 | 10.0 | 0 | 50 | 345 | 4 |
| 1011 | * 10 | | 26.3 | 8.5 | | | | | 1011 | * 20 | | 19.3 | 8.1 | | | | | 970 | * 370 | | 20.5 | 11.1 | | | | |
| SW PACIFIC - AUSTRALIA ESPERANCE 94638 DEC 2008 3350S 12150E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA EUCLA 94647 DEC 2008 3141S 12850E OB | | | | | | | | | SW PACIFIC - AUSTRALIA WOOMERA AERODROME 94659 DEC 2008 3109S 13640E OB / | | | | | | | | |
| 030 | 23858 | 0 | -55.0 | 32.1 | 5 | 97 | 98 | 9 | 030 | 23851 | 0 | -55.4 | 31.7 | 1 | 95 | 86 | 10 | 030 | 23827 | 0 | -55.5 | 32.0 | 0 | 96 | 82 | 10 |
| 050 | 20645 | 0 | -61.9 | 29.4 | 2 | 35 | 105 | 2 | 050 | 20649 | 0 | -62.8 | 28.9 | 0 | 68 | 94 | 4 | 050 | 20627 | 0 | -62.9 | 29.4 | 0 | 70 | 81 | 5 |
| 100 | 16431 | 0 | -67.0 | 23.9 | 1 | 94 | 273 | 23 | 100 | 16486 | 0 | -70.0 | 22.1 | 0 | 94 | 266 | 23 | 100 | 16475 | 0 | -71.2 | 21.2 | 0 | 94 | 261 | 23 |
| 150 | 13947 | 0 | -59.5 | 26.2 | 1 | 97 | 275 | 38 | 150 | 14043 | 0 | -62.1 | 25.2 | 0 | 97 | 272 | 43 | 150 | 14031 | 0 | -62.6 | 23.6 | 0 | 97 | 258 | 45 |
| 200 | 12121 | 0 | -52.9 | 23.5 | 1 | 96 | 275 | 39 | 200 | 12225 | 0 | -52.5 | 24.0 | 0 | 97 | 275 | 45 | 200 | 12220 | 0 | -53.4 | 20.0 | 0 | 96 | 263 | 46 |
| 300 | 9438 | 0 | -39.4 | 17.8 | 1 | 91 | 274 | 27 | 300 | 9516 | 0 | -36.9 | 18.1 | 0 | 93 | 274 | 32 | 300 | 9518 | 0 | -36.5 | 15.7 | 0 | 94 | 267 | 30 |
| 500 | 5739 | 0 | -12.2 | 23.2 | 0 | 88 | 272 | 17 | 500 | 5784 | 0 | -10.3 | 26.5 | 0 | 94 | 271 | 19 | 500 | 5781 | 0 | -10.2 | 23.0 | 0 | 93 | 264 | 18 |
| 700 | 3085 | 0 | 4.1 | 20.7 | 0 | 80 | 272 | 10 | 700 | 3109 | 0 | 6.5 | 21.9 | 0 | 87 | 272 | 11 | 700 | 3107 | 0 | 6.1 | 20.0 | 0 | 88 | 265 | 11 |
| 850 | 1484 | 0 | 11.2 | 10.6 | 0 | 47 | 273 | 4 | 850 | 1492 | 0 | 14.3 | 12.6 | 0 | 63 | 264 | 5 | 850 | 1490 | 0 | 14.8 | 14.0 | 0 | 67 | 268 | 6 |
| 1011 | * 27 | | 17.8 | 17.6 | | | | | 1001 | * 102 | | 20.6 | 20.3 | | | | | 992 | * 168 | | 22.7 | 13.8 | | | | |
| SW PACIFIC - AUSTRALIA ADELAIDE AIRPORT 94672 DEC 2008 3457S 13830E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA COBAR MO 94711 DEC 2008 3129S 14550E OB / | | | | | | | | | SW PACIFIC - AUSTRALIA WILLIAMTOWN RAAF 94776 DEC 2008 3248S 15150E OB / | | | | | | | | |
| 030 | 23862 | 0 | -54.9 | 29.8 | 5 | 93 | 81 | 8 | 030 | 23819 | 0 | -55.8 | 31.8 | 5 | 96 | 82 | 9 | 030 | 23825 | 0 | -55.2 | 31.5 | 4 | 99 | 82 | 9 |
| 050 | 20643 | 0 | -60.5 | 28.3 | 2 | 52 | 56 | 2 | 050 | 20623 | 0 | -62.4 | 28.8 | 2 | 71 | 61 | 4 | 050 | 20624 | 0 | -62.0 | 28.9 | 3 | 67 | 73 | 3 |
| 100 | 16399 | 0 | -65.7 | 24.3 | 0 | 95 | 264 | 22 | 100 | 16451 | 0 | -69.8 | 21.4 | 1 | 95 | 255 | 22 | 100 | 16414 | 0 | -67.2 | 23.8 | 2 | 94 | 263 | 18 |
| 150 | 13901 | 0 | -59.6 | 24.8 | 0 | 97 | 259 | 42 | 150 | 13994 | 0 | -61.2 | 23.4 | 1 | 94 | 252 | 36 | 150 | 13930 | 0 | -60.4 | 24.0 | 2 | 93 | 253 | 31 |
| 200 | 12081 | 0 | -54.7 | 18.1 | 0 | 96 | 265 | 46 | 200 | 12179 | 0 | -54.0 | 18.0 | 1 | 94 | 253 | 43 | 200 | 12114 | 0 | -54.4 | 18.9 | 2 | 90 | 251 | 37 |
| 300 | 9411 | 0 | -39.7 | 13.6 | 0 | 93 | 264 | 34 | 300 | 9489 | 0 | -37.4 | 15.0 | 0 | 91 | 257 | 30 | 300 | 9434 | 0 | -38.6 | 14.9 | 2 | 88 | 258 | 28 |
| 500 | 5716 | 0 | -12.5 | 20.6 | 0 | 91 | 266 | 19 | 500 | 5767 | 0 | -10.8 | 20.9 | 0 | 93 | 262 | 19 | 500 | 5728 | 0 | -12.2 | 18.0 | 1 | 95 | 262 | 19 |
| 700 | 3065 | 0 | 3.5 | 18.9 | 0 | 86 | 267 | 12 | 700 | 3101 | 0 | 5.3 | 19.1 | 0 | 89 | 270 | 11 | 700 | 3075 | 0 | 3.8 | 17.9 | 1 | 89 | 269 | 11 |
| 850 | 1467 | 0 | 9.7 | 8.6 | 0 | 69 | 261 | 6 | 850 | 1486 | 0 | 15.0 | 14.4 | 0 | 54 | 273 | 4 | 850 | 1470 | 0 | 12.9 | 8.0 | 1 | 75 | 283 | 6 |
| 1012 | * 8 | | 20.1 | 10.3 | | | | | 980 | * 264 | | 26.3 | 25.7 | | | | | 1009 | * 10 | | 23.8 | 9.1 | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|---|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | |
| SW PACIFIC - INDONESIA MEDAN/POLONIA 96035 DEC 2008 0334N 09841E OB / | | | | | | | | | SW PACIFIC - INDONESIA UJUNG PANDANG/HASANUDDIN 97180 DEC 2008 0504S 11930E OB / | | | | | | | | | SW PACIFIC - BRUNEI DARUSSALAM BRUNEI AIRPORT 96315 DEC 2008 0456N 11450E OB 3 | | | | | | | | | |
| 030 | 23604 | 0 | -57.7 | 29.0 | 9 | 39 | 296 | 5 | 030 | 23535 | 0 | -60.1 | | | 9 | 71 | 255 | 5 | 030 | 23698 | 0 | -59.4 | 31.0 | 9 | 99 | 254 | 13 |
| 050 | 20607 | 0 | -67.2 | 23.7 | 9 | 58 | 89 | 7 | 050 | 20419 | 0 | -67.3 | | | 9 | 41 | 240 | 3 | 050 | 20537 | 0 | -65.5 | 28.4 | 9 | 32 | 46 | 2 |
| 100 | 16752 | 0 | -77.6 | 13.4 | 5 | 69 | 58 | 13 | 100 | 16448 | 0 | -86.0 | | | 3 | 95 | 80 | 20 | 100 | 16550 | 0 | -84.8 | 6.8 | 9 | 95 | 106 | 20 |
| 150 | 14222 | 0 | -68.1 | 16.3 | 4 | 52 | 15 | 10 | 150 | 14145 | 0 | -69.6 | | | 1 | 92 | 85 | 14 | 150 | 14232 | 0 | -68.6 | 7.1 | 9 | 95 | 107 | 16 |
| 200 | 12431 | 0 | -51.1 | 22.2 | 2 | 54 | 355 | 8 | 200 | 12367 | 0 | -54.3 | | | 1 | 83 | 85 | 8 | 200 | 12445 | 0 | -53.0 | 7.8 | 9 | 89 | 108 | 11 |
| 300 | 9683 | 0 | -29.8 | 6.3 | 2 | 45 | 41 | 4 | 300 | 9630 | 0 | -31.1 | 4.3 | | 1 | 59 | 75 | 3 | 300 | 9694 | 0 | -29.9 | 9.9 | 6 | 91 | 112 | 8 |
| 500 | 5837 | 0 | -4.9 | 4.6 | 2 | 46 | 83 | 3 | 500 | 5815 | 0 | -6.6 | 1.9 | | 0 | 31 | 325 | 2 | 500 | 5856 | 0 | -5.2 | 4.8 | 5 | 70 | 99 | 5 |
| 700 | 3129 | 0 | 9.5 | 3.9 | 1 | 50 | 65 | 3 | 700 | 3110 | 0 | 7.9 | 2.2 | | 0 | 71 | 275 | 5 | 700 | 3134 | 0 | 9.8 | 4.6 | 5 | 28 | 145 | 2 |
| 850 | 1490 | 0 | 17.1 | 2.4 | 1 | 66 | 333 | 3 | 850 | 1481 | 0 | 15.6 | 1.5 | | 0 | 68 | 265 | 4 | 850 | 1491 | 0 | 18.4 | 3.5 | 5 | 31 | 163 | 2 |
| 1006 | * 25 | | 25.6 | 2.5 | | | | | 1008 | * 14 | | 25.5 | 1.6 | | | | | | 1003 | * 22 | | 26.1 | 1.9 | | | | |
| SW PACIFIC - MALAYSIA (SABAH AND SARAWAK) KUCHING 96413 DEC 2008 0129N 11020E OB 3 | | | | | | | | | W PACIFIC - MALAYSIA (SABAH AND SARAWAK) BINTULU 96441 DEC 2008 0312N 11300E OB 3 | | | | | | | | | W PACIFIC - MALAYSIA (SABAH AND SARAWAK) KOTA KINABALU 96471 DEC 2008 0556N 11600E OB 3 | | | | | | | | | |
| 030 | 23731 | 0 | -59.3 | 26.1 | 6 | 90 | 269 | 10 | 030 | | | | | | | | | 030 | 23752 | 0 | -58.5 | 28.2 | 8 | 79 | 268 | 7 | |
| 050 | 20576 | 0 | -65.4 | 23.2 | 5 | 94 | 269 | 10 | 050 | | | | | | | | | 050 | 20598 | 0 | -66.0 | 23.0 | 5 | 80 | 274 | 6 | |
| 100 | 16572 | 0 | -83.3 | 7.5 | 0 | 87 | 95 | 18 | 100 | 16571 | 0 | -84.4 | 6.3 | | 4 | 89 | 96 | 18 | 100 | 16599 | 0 | -84.9 | 6.2 | 0 | 95 | 109 | 20 |
| 150 | 14248 | 0 | -68.8 | 6.7 | 0 | 97 | 98 | 20 | 150 | 14256 | 0 | -68.7 | 5.6 | | 3 | 96 | 102 | 19 | 150 | 14278 | 0 | -68.2 | 6.1 | 0 | 94 | 109 | 15 |
| 200 | 12461 | 0 | -53.0 | 6.5 | 0 | 93 | 95 | 13 | 200 | 12469 | 0 | -52.8 | 5.7 | | 2 | 93 | 104 | 13 | 200 | 12487 | 0 | -52.5 | 7.0 | 0 | 89 | 105 | 11 |
| 300 | 9708 | 0 | -29.6 | 5.3 | 0 | 87 | 97 | 7 | 300 | 9712 | 0 | -29.3 | 5.7 | | 1 | 86 | 108 | 7 | 300 | 9730 | 0 | -29.4 | 8.1 | 0 | 88 | 113 | 7 |
| 500 | 5866 | 0 | -4.7 | 5.4 | 0 | 27 | 173 | 2 | 500 | 5867 | 0 | -4.5 | 2.3 | | 0 | 57 | 110 | 3 | 500 | 5883 | 0 | -4.5 | 6.4 | 0 | 74 | 104 | 5 |
| 700 | 3140 | 0 | 10.4 | 3.3 | 0 | 64 | 273 | 5 | 700 | 3139 | 0 | 10.3 | 2.2 | | 0 | 32 | 222 | 2 | 700 | 3154 | 0 | 10.5 | 3.2 | 0 | 50 | 99 | 3 |
| 850 | 1495 | 0 | 18.3 | 2.4 | 0 | 53 | 278 | 5 | 850 | 1493 | 0 | 18.5 | 1.4 | | 0 | 46 | 223 | 3 | 850 | 1506 | 0 | 19.2 | 1.9 | 0 | 23 | 137 | 1 |
| 1006 | * 27 | | 24.7 | 1.3 | | | | | 1006 | * 5 | | 25.2 | 1.3 | | | | | | 1009 | * 3 | | 26.5 | 3.2 | | | | |
| SW PACIFIC - MALAYSIA (SABAH AND SARAWAK) TAWAU 96481 DEC 2008 0416N 11750E OB 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 030 | 23727 | 0 | -59.3 | 26.5 | 1 | 91 | 268 | 10 | | | | | | | | | | | | | | | | | | | |
| 050 | 20573 | 0 | -66.5 | 21.2 | 1 | 83 | 279 | 7 | | | | | | | | | | | | | | | | | | | |
| 100 | 16580 | 0 | -85.3 | 6.3 | 0 | 96 | 104 | 21 | | | | | | | | | | | | | | | | | | | |
| 150 | 14258 | 0 | -68.1 | 6.7 | 0 | 95 | 104 | 16 | | | | | | | | | | | | | | | | | | | |
| 200 | 12467 | 0 | -52.6 | 8.9 | 0 | 93 | 106 | 12 | | | | | | | | | | | | | | | | | | | |
| 300 | 9711 | 0 | -29.4 | 10.7 | 0 | 86 | 107 | 7 | | | | | | | | | | | | | | | | | | | |
| 500 | 5866 | 0 | -4.5 | 5.6 | 0 | 72 | 93 | 4 | | | | | | | | | | | | | | | | | | | |
| 700 | 3137 | 0 | 10.5 | 9.9 | 0 | 11 | 58 | 1 | | | | | | | | | | | | | | | | | | | |
| 850 | 1490 | 0 | 19.0 | 3.1 | 0 | 48 | 22 | 2 | | | | | | | | | | | | | | | | | | | |
| 1006 | * 20 | | 26.4 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | |

UPPER AIR

DECEMBER 2008

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | | | |
|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|--|--|--|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | | | |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UPPER AIR LATE REPORTS

| LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | | LEVEL | | TEMPERATURE | | | VECTOR WIND | | | |
|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|--|--------|--------------|-------|----------------------|--------------|------------|-----------|-------|----------|--------|--------------|------|----------------------|--------------|------------|-----------|-------|
| PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED | PRESSURE | HEIGHT | MISSING DAYS | MEAN | DEW POINT DEPRESSION | MISSING DAYS | STEADINESS | DIRECTION | SPEED |
| hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps | hPa | gpm | | °C | °C | | % | o | mps |
| N AMERICA - CURACAO AND BONAIRE HATO AIRPORT, CURACAO 78988 NOV 2008 1212N 06858W OB 3 | | | | | | | | | S AMERICA - BRAZIL PORTO ALEGRE (AEROPORTO) 83971 NOV 2008 3000S 05111W OB 2 | | | | | | | | | | | | | | | | | |
| 030 | 23777 | 3 | -56.2 | | 4 | 43 | 78 | 3 | 030 | | | | | | | | | | | | | | | | | |
| 050 | 20608 | 2 | -66.3 | | 2 | 57 | 296 | 4 | 050 | 20653 | 10 | -64.8 | 12.9 | | 9 | 54 | 70 | 4 | | | | | | | | |
| 100 | 16594 | 1 | -79.1 | | 1 | 41 | 306 | 3 | 100 | 16488 | 0 | -68.0 | 10.6 | 0 | 89 | 248 | 16 | | | | | | | | | |
| 150 | 14229 | 1 | -66.6 | | 1 | 75 | 278 | 9 | 150 | 14008 | 0 | -60.0 | 15.1 | 0 | 92 | 258 | 28 | | | | | | | | | |
| 200 | 12424 | 1 | -53.5 | | 1 | 64 | 269 | 8 | 200 | 12184 | 0 | -52.5 | 19.7 | 0 | 87 | 261 | 28 | | | | | | | | | |
| 300 | 9680 | 1 | -30.7 | 12.0 | 2 | 24 | 311 | 2 | 300 | 9497 | 0 | -38.1 | 26.4 | 0 | 83 | 254 | 16 | | | | | | | | | |
| 500 | 5856 | 0 | -5.5 | 6.2 | 0 | 64 | 74 | 4 | 500 | 5778 | 0 | -12.3 | 21.9 | 0 | 75 | 240 | 6 | | | | | | | | | |
| 700 | 3143 | 0 | 9.3 | 7.3 | 0 | 82 | 92 | 4 | 700 | 3124 | 0 | 3.7 | 15.0 | 0 | 9 | 305 | 1 | | | | | | | | | |
| 850 | 1505 | 0 | 17.6 | 3.8 | 0 | 93 | 91 | 6 | 850 | 1520 | 0 | 12.8 | 7.2 | 0 | 56 | 57 | 4 | | | | | | | | | |
| 1004 | * 54 | | 25.8 | 2.8 | | | | | 1015 | * 3 | | 22.0 | 4.5 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
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STATION LIST RECENT DATA

| | | | | | | | |
|-------|----|-----------------------------|---------------------|-------|----|----------------------|--------------------|
| 10501 | C | AACHEN | GERMANY | 70273 | CT | ANCHORAGE/INT., AK | USA |
| 06030 | C | AALBORG | DENMARK AND FAROE I | 10291 | C | ANGERMUENDE | GERMANY |
| 04220 | C | AASIAAT (EGEDESMINDE) | GREENLAND | 17130 | CT | ANKARA/CENTRAL | TURKEY |
| 47409 | C | ABASHIRI | JAPAN | 60360 | C | ANNABA | ALGERIA |
| 07005 | C | ABBEVILLE | FRANCE | 17300 | C | ANTALYA | TURKEY |
| 03502 | C | ABERPORTH | U KINGDOM | 47575 | C | AOMORI | JAPAN |
| 41112 | C | ABHA | SAUDI ARABIA | 80084 | C | APARTADO/LOS CEDROS | COLOMBIA |
| 72266 | C | ABILENE/MUN., TX. | USA | 35746 | C | ARALSKOE MORE | KAZAKHSTAN |
| 41217 | CT | ABU DHABI INTER. AIRPORT | U ARAB EMIRATES | 84752 | C | AREQUIPA | PERU |
| 76805 | C | ACAPULCO, GRO. | MEXICO | 22550 | CT | ARHANGEL'SK | RUSSIAN FEDERATION |
| 17351 | C | ADANA/BOLGE | TURKEY | 85406 | C | ARICA | CHILE |
| 63450 | CT | ADDIS ABABA-BOLE | ETHIOPIA | 10091 | C | ARKONA | GERMANY |
| 94672 | CT | ADELAIDE AIRPORT | AUSTRALIA | 62772 | C | AROMA | SUDAN |
| 60620 | C | ADRAR | ALGERIA | 76840 | C | ARRIAGA, CHIS. | MEXICO |
| 76644 | CT | AEROP.INTERNACIONAL MERIDA, | MEXICO | 10460 | C | ARTERN | GERMANY |
| 17190 | C | AFYON | TURKEY | 44288 | C | ARVAIHEER | MONGOLIA |
| 23383 | C | AGATA | RUSSIAN FEDERATION | 60452 | C | ARZEW | ALGERIA |
| 62055 | C | AGEDABIA | LIBYAN ARAB JAMAHIR | 47407 | C | ASAHIKAWA | JAPAN |
| 42647 | CT | AHMADABAD | INDIA | 72315 | C | ASHEVILLE/MUN., NC. | USA |
| 37663 | C | AHTY | RUSSIAN FEDERATION | 33915 | C | ASKANIIA-NOVA | UKRAINE |
| 33998 | C | AI-PETRI | UKRAINE | 62414 | CT | ASSWAN | EGYPT |
| 60415 | C | AIN-BESSAM | ALGERIA | 35188 | C | ASTANA | KAZAKHSTAN |
| 61499 | C | AIOUN EL ATROUSS | MAURITANIA | 61421 | C | ATAR | MAURITANIA |
| 07761 | CT | AJACCIO | FRANCE | 35078 | C | ATBASAR | KAZAKHSTAN |
| 38178 | C | AK-BAJTAL | UZBEKISTAN | 17607 | T | ATHALASSA | CYPRUS |
| 47582 | CT | AKITA | JAPAN | 72219 | C | ATLANTA/MUN., GA. | USA |
| 42933 | C | AKOLA | INDIA | 91925 | CT | ATUONA | FRENCH POLY. |
| 72521 | C | AKRON/AKRON-CANTON REG. OH. | USA | 35700 | C | ATYRAU | KAZAKHSTAN |
| 35229 | C | AKTOBE | KAZAKHSTAN | 10852 | C | AUGSBURG | GERMANY |
| 04063 | C | AKUREYRI | ICELAND | 38334 | C | AUL TURARA RYSKULOVA | KAZAKHSTAN |
| 40361 | C | AL-JOUF | SAUDI ARABIA | 72254 | C | AUSTIN/CTY, TX. | USA |
| 08280 | C | ALBACETE/LOS LLANOS | SPAIN | 31168 | CT | AYAN | RUSSIAN FEDERATION |
| 03917 | C | ALDERGROVE | U KINGDOM | 87641 | C | AZUL AERO | ARGENTINA |
| 07139 | C | ALENCON | FRANCE | 82460 | C | BACABAL | BRAZIL |
| 60369 | C | ALGER-PORT | ALGERIA | 10542 | C | BAD HERSFELD | GERMANY |
| 08359 | C | ALICANTE | SPAIN | 30554 | CT | BAGDARIN | RUSSIAN FEDERATION |
| 42475 | C | ALLAHABAD/BAMHRAULI | INDIA | 87750 | C | BAHIA BLANCA AERO | ARGENTINA |
| 08487 | C | ALMERIA/AEROPUERTO | SPAIN | 44265 | C | BAITAG | MONGOLIA |
| 82965 | T | ALTA FLORESTA (AEROPORTO) | BRAZIL | 23891 | C | BAJKIT | RUSSIAN FEDERATION |
| 26346 | C | ALUKSNE | LATVIA | 29328 | C | BAKCHAR | RUSSIAN FEDERATION |
| 94568 | C | AMBERLEY AMO | AUSTRALIA | 07299 | C | BALE-MULHOUSE | FRANCE |
| 23022 | CT | AMDERMA | RUSSIAN FEDERATION | 61291 | C | BAMAKO/SENOU | MALI |
| 42071 | C | AMRITSAR | INDIA | 43295 | C | BANGALORE | INDIA |
| 25563 | C | ANADYR' | RUSSIAN FEDERATION | 26941 | C | BARANOVICHI | BELARUS |

STATION LIST RECENT DATA

| | | | | | | | |
|-------|----|----------------------------|---------------------|-------|----|------------------------------|--------------------|
| 07790 | C | BASTIA | FRANCE | 72528 | CT | BUFFALO/GREATER BUF. INT.,NY | USA |
| 37484 | C | BATUMI | GEORGIA | 38683 | C | BUHARA | UZBEKISTAN |
| 44302 | C | BAYAN-OVOO | MONGOLIA | 44239 | C | BULGAN | MONGOLIA |
| 60571 | C | BECHAR | ALGERIA | 08075 | C | BURGOS/VILLAFRIA | SPAIN |
| 54511 | CT | BEIJING | CHINA | 47159 | C | BUSAN | REP KOREA |
| 60401 | C | BEJAIA-PORT | ALGERIA | 15350 | C | BUZAU | ROMANIA |
| 03976 | C | BELMULLET | IRELAND | 48914 | C | CA MAU | VIET NAM |
| 60518 | C | BENI-SAF | ALGERIA | 95916 | C | CABRAMURRA SMHEA | AUSTRALIA |
| 13274 | C | BEOGRAD | SERBIA AND MONTENEG | 08261 | C | CACERES | SPAIN |
| 64600 | C | BERBERATI | CENTRAL AFRICAN REP | 07027 | C | CAEN | FRANCE |
| 40179 | CT | BET DAGAN | ISRAEL | 94287 | C | CAIRNS AERO | AUSTRALIA |
| 42971 | CT | BHUBANESHWAR | INDIA | 42807 | C | CALCUTTA/ALIPORE | INDIA |
| 12295 | C | BIALYSTOK | POLAND | 16252 | C | CAMPOBASSO | ITALY |
| 71844 | C | BIG TROUT LAKE READAC, ONT | CANADA | 17112 | C | CANAKKALE | TURKEY |
| 29939 | C | BIJSK ZONAL'NAYA | RUSSIAN FEDERATION | 48808 | C | CAO BANG | VIET NAM |
| 42165 | C | BIKANER | INDIA | 07661 | C | CAP CEPET | FRANCE |
| 08025 | C | BILBAO/SONDICA | SPAIN | 15292 | C | CARANSEBES | ROMANIA |
| 72515 | C | BINGHAMTON/BROOME CO., NY. | USA | 03967 | C | CASEMENT AERODROME | IRELAND |
| 61075 | C | BIRNI-N'KONNI | NIGER | 16459 | C | CATANIA SIGONELLA | ITALY |
| 28138 | C | BISER | RUSSIAN FEDERATION | 94653 | C | CEDUNA AMO | AUSTRALIA |
| 14652 | C | BJELASNICA | BOSNIA AND HERZEGOV | 89056 | C | CENTRO MET. ANTARTICO PDTE. | CHILE |
| 01028 | CT | BJORNOYA | NORWAY | 16148 | C | CERVIA | ITALY |
| 28766 | C | BLAGOVESHCHENKA | KAZAKHSTAN | 38511 | C | CHAGYL | TURKMENISTAN |
| 68442 | CT | BLOEMFONTEIN AIRPORT | SOUTH AFRICA | 10577 | C | CHEMNITZ | GERMANY |
| 74492 | C | BLUE HILL OBS. MA. | USA | 41768 | C | CHHOR | PAKISTAN |
| 82024 | C | BOA VISTA | BRAZIL | 30758 | CT | CHITA | RUSSIAN FEDERATION |
| 65510 | C | BOBO-DIOULASSO | BURKINA FASO | 60425 | C | CHLEF | ALGERIA |
| 01152 | CT | BODO | NORWAY | 44259 | C | CHOIBALSAN | MONGOLIA |
| 29282 | C | BOGUCANY | RUSSIAN FEDERATION | 93780 | C | CHRISTCHURCH | N ZEALAND |
| 65338 | C | BOHICON | BENIN | 47014 | C | CHUNGGANG | DPR KOREA |
| 10249 | C | BOIZENBURG | GERMANY | 96805 | C | CILACAP | INDONESIA |
| 31174 | C | BOL'SHOJ SHANTAR | RUSSIAN FEDERATION | 72421 | C | CINCINNATI/GREATER CINCINNAT | USA |
| 83288 | CT | BOM JESUS DA LAPA | BRAZIL | 96791 | C | CIREBON/JATIWANGI | INDONESIA |
| 23884 | C | BOR | RUSSIAN FEDERATION | 80444 | C | CIUDAD BOLIVAR | VENEZUELA |
| 64610 | C | BOSSANGOA | CENTRAL AFRICAN REP | 72360 | C | CLAYTON/MUN., NM. | USA |
| 60515 | C | BOU-SAADA | ALGERIA | 07460 | C | CLERMONT-FERRAND | FRANCE |
| 08575 | C | BRAGANCA | PORTUGAL | 15120 | CT | CLUJ-NAPOCA | ROMANIA |
| 10224 | C | BREMEN | GERMANY | 76741 | C | COATZACOALCOS, VER. | MEXICO |
| 64655 | C | BRIA | CENTRAL AFRICAN REP | 94711 | CT | COBAR MO | AUSTRALIA |
| 11723 | C | BRNO/TURANY | CZECH REP | 96996 | C | COCOS ISLAND AERO | ISLANDS |
| 10453 | C | BROCKEN | GERMANY | 94791 | C | COFFS HARBOUR MO | AUSTRALIA |
| 96315 | CT | BRUNEI AIRPORT | BRUNEI DARUSSALAM | 08548 | C | COIMBRA/CERNACHE | PORTUGAL |
| 15420 | C | BUCURESTI BANEASA | ROMANIA | 70316 | CT | COLD BAY, AK | USA |
| 12843 | CT | BUDAPEST/PESTSZENTLORINC | HUNGARY | 76848 | C | COMITAN, CHIS. | MEXICO |

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|-------|----|----------------------------|--------------------|-------|----|----------------------------|--------------------|
| 72605 | C | CONCORD/MUN., NH. | USA | 61666 | C | DIOURBEL | SENEGAL |
| 03955 | C | CORK AIRPORT | IRELAND | 63471 | C | DIREDAWA | ETHIOPIA |
| 10496 | C | COTTBUS | GERMANY | 17280 | CT | DIYARBAKIR | TURKEY |
| 85864 | C | COYHAIQUE | CHILE | 60670 | C | DJANET | ALGERIA |
| 16480 | C | COZZO SPADARO | ITALY | 60535 | C | DJELFA | ALGERIA |
| 15450 | C | CRAIOVA | ROMANIA | 34504 | C | DNIPROPETROVS'K | UKRAINE |
| 82704 | C | CRUZEIRO DO SUL | BRAZIL | 16033 | C | DOBBIACO | ITALY |
| 80097 | C | CUCUTA/CAMILO DAZA | COLOMBIA | 63862 | C | DODOMA | U REP TANZANIA |
| 08231 | C | CUENCA | SPAIN | 41170 | C | DOHA INTERNATIONAL AIRPORT | QATAR |
| 83362 | T | CUIABA (AEROPORTO) | BRAZIL | 87648 | C | DOLORES AERO | ARGENTINA |
| 28704 | C | CULPANOV | RUSSIAN FEDERATION | 34519 | C | DONETS'K | UKRAINE |
| 80420 | C | CUMANA | VENEZUELA | 65501 | C | DORI | BURKINA FASO |
| 83840 | T | CURITIBA (AEROPORTO) | BRAZIL | 52836 | C | DOULAN | CHINA |
| 10131 | C | CUXHAVEN | GERMANY | 10488 | C | DRESDEN-KLOTZSCHE | GERMANY |
| 84686 | C | CUZCO | PERU | 41515 | C | DROSH | PAKISTAN |
| 43150 | T | CWC VISHAKHAPATNAM/WALTAIR | INDIA | 95719 | C | DUBBO AIRPORT AWS | AUSTRALIA |
| 48855 | C | DA NANG | VIET NAM | 23074 | C | DUDINKA | RUSSIAN FEDERATION |
| 47133 | C | DAEJEON | REP KOREA | 10400 | C | DUESSELDORF | GERMANY |
| 98325 | C | DAGUPAN | PHILIPPINES | 72745 | C | DULUTH/INT., MN. | USA |
| 60096 | C | DAKHLA | WESTERN SAHARA | 89642 | CT | DUMONT D'URVILLE | FRANCE |
| 41712 | C | DAL BANDIN | PAKISTAN | 68588 | C | DURBAN INTNL. AIRPORT | SOUTH AFRICA |
| 40080 | C | DAMASCUS INT. AIRPORT | SYRIAN ARAB REP | 38836 | C | DUSHANBE | TAJKISTAN |
| 04320 | C | DANMARKSHAVN | GREENLAND | 42731 | C | DWARKA | INDIA |
| 60390 | CT | DAR-EL-BEIDA | ALGERIA | 03091 | C | DYCE | U KINGDOM |
| 44256 | C | DASHBALBAR | MONGOLIA | 21908 | C | DZALINDA | RUSSIAN FEDERATION |
| 26544 | C | DAUGAVPILS | LATVIA | 30089 | C | DZHIKIMDA | RUSSIAN FEDERATION |
| 89571 | CT | DAVIS | AUSTRALIA | 68858 | C | EAST LONDON | SOUTH AFRICA |
| 72429 | C | DAYTON/. COX, OH. | USA | 94983 | C | EDDYSTONE POINT | AUSTRALIA |
| 06235 | C | DE KOOY | NETHERLANDS | 17050 | C | EDIRNE | TURKEY |
| 12882 | C | DEBRECEN | HUNGARY | 71590 | C | EDMUNDSTON, NB | CANADA |
| 16546 | C | DECIMOMANNU | ITALY | 06280 | C | EELDE/GRONINGEN AP EELDE | NETHERLANDS |
| 65505 | C | DEDOUGOU | BURKINA FASO | 25378 | C | EGVEKINOT | RUSSIAN FEDERATION |
| 40045 | C | DEIR EZZOR | SYRIAN ARAB REP | 40199 | C | EILAT | ISRAEL |
| 60387 | C | DELLYS | ALGERIA | 31707 | C | EKATERINO-NIKOL'SKOE | RUSSIAN FEDERATION |
| 95869 | C | DENILIKUIN AIRPORT AWS | AUSTRALIA | 38388 | C | EKEZHE | TURKMENISTAN |
| 37470 | C | DERBENT | RUSSIAN FEDERATION | 31329 | C | EKIMCHAN | RUSSIAN FEDERATION |
| 72546 | C | DES MOINES/MUN., IA. | USA | 62337 | C | EL ARISH | EGYPT |
| 72537 | C | DETROIT/METROPOLITAN, MI. | USA | 60550 | C | EL-BAYADH | ALGERIA |
| 40416 | C | DHAHRAN | SAUDI ARABIA | 27648 | C | ELAT'MA | RUSSIAN FEDERATION |
| 42404 | C | DHUBRI | INDIA | 12160 | C | ELBLAG | POLAND |
| 42314 | C | DIBRUGARH /MOHANBARI | INDIA | 72486 | C | ELY/YELLAND, NV. | USA |
| 61085 | C | DIFFA | NIGER | 07591 | C | EMBRUN | FRANCE |
| 07280 | C | DIJON | FRANCE | 10200 | C | EMDEN-FLUGPLATZ | GERMANY |
| 89054 | C | DINAMET-URUGUAY | URUGUAY | 29572 | T | EMEL'JANOVO | RUSSIAN FEDERATION |

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|-------|----|---------------------------|--------------------|-------|----|-----------------------------|---------------------|
| 76256 | C | EMPALME, SON. | MEXICO | 60765 | C | GABES | TUNISIA |
| 62781 | C | EN NAHUD | SUDAN | 60745 | C | GAFSA | TUNISIA |
| 25356 | C | EN' MUVEEM | RUSSIAN FEDERATION | 15310 | C | GALATI | ROMANIA |
| 29263 | C | ENISEJSK | RUSSIAN FEDERATION | 37735 | C | GANDJA | AZERBAIJAN |
| 71923 | C | ENNADAI LAKE (AUT), NU | CANADA | 65522 | C | GAOUA | BURKINA FASO |
| 38656 | C | ERBENT | TURKMENISTAN | 10359 | C | GARDELEGEN | GERMANY |
| 44237 | C | ERDENEMANDAL | MONGOLIA | 40405 | C | GASSIM | SAUDI ARABIA |
| 53068 | C | ERENHOT | CHINA | 61099 | C | GAYA | NIGER |
| 10554 | C | ERFURT-BINDERSLEBEN | GERMANY | 26157 | C | GDOV | RUSSIAN FEDERATION |
| 34186 | C | ERSHOV | RUSSIAN FEDERATION | 62752 | C | GEDAREF | SUDAN |
| 17092 | C | ERZINCAN | TURKEY | 06700 | C | GENEVE-COINTRIN | SWITZERLAND & LIECH |
| 38750 | C | ESENGYLY | TURKMENISTAN | 68828 | C | GEORGE AIRPORT | SOUTH AFRICA |
| 40800 | C | ESFAHAN | IRAN, ISLAMIC REP | 10567 | C | GERA-LEUMNITZ | GERMANY |
| 35067 | C | ESIL' | KAZAKHSTAN | 60517 | C | GHAZAOUET | ALGERIA |
| 03162 | C | ESKDALEMUIR | U KINGDOM | 40296 | C | GHOR SAFI | JORDAN |
| 94638 | CT | ESPERANCE | AUSTRALIA | 08495 | CT | GIBRALTAR | GIBRALTAR |
| 87803 | C | ESQUEL AERO | ARGENTINA | 10532 | C | GIESSEN | GERMANY |
| 10410 | CT | ESSEN-BREDENEY | GERMANY | 34740 | C | GIGANT | RUSSIAN FEDERATION |
| 71862 | C | ESTEVAN A, SASK | CANADA | 94461 | CT | GILES METEOROLOGICAL OFFICE | AUSTRALIA |
| 94647 | CT | EUCLA | AUSTRALIA | 17034 | C | GIRESUN | TURKEY |
| 71917 | C | EUREKA, NU | CANADA | 93292 | C | GISBORNE AERODROME AWS | N ZEALAND |
| 72432 | C | EVANSVILLE/REG., IN. | USA | 41140 | C | GIZAN | SAUDI ARABIA |
| 37747 | C | EVLAKH AIRPORT | AZERBAIJAN | 71363 | C | GJOA HAVEN CLIMATE, NU | CANADA |
| 08558 | C | EVORA/C. COORD | PORTUGAL | 72768 | C | GLASGOW/INT., MT. | USA |
| 87576 | CT | EZEIZA AERO | ARGENTINA | 83264 | C | GLEBA CELESTE | BRAZIL |
| 65507 | C | FADA N'GOURMA | BURKINA FASO | 20292 | C | GMO IM.E.K. FEDOROVA | RUSSIAN FEDERATION |
| 70261 | C | FAIRBANKS/INT., AK | USA | 43192 | CT | GOA/PANJIM | INDIA |
| 62423 | T | FARAFRA | EGYPT | 10444 | C | GOETTINGEN | GERMANY |
| 10908 | C | FELDBERG/SCHWARZWALD | GERMANY | 83423 | C | GOIANIA | BRAZIL |
| 38618 | C | FERGANA | UZBEKISTAN | 33041 | CT | GOMEL | BELARUS |
| 11155 | C | FEUERKOGEL | AUSTRIA | 63331 | C | GONDAR | ETHIOPIA |
| 10578 | C | FICHTELBERG | GERMANY | 71816 | C | GOOSE A, NFLD | CANADA |
| 72637 | C | FLINT/BISHOP, MI. | USA | 71733 | CT | GORE BAY A, ONT | CANADA |
| 08501 | C | FLORES (ACORES) | PORTUGAL | 07535 | C | GOURDON | FRANCE |
| 01238 | C | FOKSTUA II | NORWAY | 94150 | CT | GOVE AIRPORT | AUSTRALIA |
| 82212 | C | FONTE BOA | BRAZIL | 08419 | C | GRANADA/AEROPUERTO | SPAIN |
| 71160 | C | FORT RELIANCE (AUT), NWT | CANADA | 10184 | CT | GREIFSWALD | GERMANY |
| 83827 | T | FOZ DO IGUACU (AEROPORTO) | BRAZIL | 16206 | C | GROSSETO | ITALY |
| 10637 | C | FRANKFURT/M-FLUGHAFEN | GERMANY | 88903 | C | GRYTVIKEN, | ISLANDS |
| 72389 | C | FRESNO/AIR TERM., | USA | 76577 | C | GUANAJUATO, GTO. | MEXICO |
| 16179 | C | FRONTONE | ITALY | 60403 | C | GUELMA | ALGERIA |
| 10895 | C | FUERSTENZELL | GERMANY | 80423 | C | GUIRIA | VENEZUELA |
| 47843 | C | FUKUE | JAPAN | 02128 | C | GUNNARN | SWEDEN |
| 08522 | CT | FUNCHAL | MADEIRA | 40360 | C | GURIAT | SAUDI ARABIA |

STATION LIST RECENT DATA

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|-------|----|------------------------------|---------------------|-------|----|------------------------------|--------------------|
| 78894 | C | GUSTAVIA, | GUADELOUPE | 80214 | C | IBAGUE/PERALES | COLOMBIA |
| 42410 | CT | GUWAHATI | INDIA | 08373 | C | IBIZA/ES CODOLA | SPAIN |
| 38763 | C | GYZYLARBAT | TURKMENISTAN | 23274 | C | IGARKA | RUSSIAN FEDERATION |
| 40250 | C | H-4 'IRWAISHED' | JORDAN | 87097 | C | IGUAZU AERO | ARGENTINA |
| 48820 | C | HA NOI | VIET NAM | 25248 | C | ILIRNEJ | RUSSIAN FEDERATION |
| 31736 | T | HABAROVSK | RUSSIAN FEDERATION | 60640 | C | ILLIZI | ALGERIA |
| 47678 | CT | HACHIJOJIMA | JAPAN | 98637 | C | ILOILO | PHILIPPINES |
| 47069 | C | HAEJU | DPR KOREA | 31416 | C | IM POLINY OSIPENKO | RUSSIAN FEDERATION |
| 40377 | C | HAFR AL-BATIN | SAUDI ARABIA | 20667 | C | IM. M.V. POPOVA | RUSSIAN FEDERATION |
| 59758 | C | HAIKOU | CHINA | 60630 | CT | IN-SALAH | ALGERIA |
| 29862 | T | HAKASSKAJA | RUSSIAN FEDERATION | 42754 | C | INDORE | INDIA |
| 71320 | C | HALL BEACH CLIMATE, NU | CANADA | 67323 | C | INHAMBANE | MOZAMBIQUE |
| 10147 | C | HAMBURG-FUHLBUETTEL | GERMANY | 11120 | C | INNSBRUCK-FLUGHAFEN | AUSTRIA |
| 10338 | C | HANNOVER | GERMANY | 72747 | CT | INT.FALLS/FALLS INT. MN. | USA |
| 02196 | C | HAPARANDA | SWEDEN | 71364 | C | INUVIK CLIMATE, NWT | CANADA |
| 71350 | C | HARRINGTON CDA CS, PEI | CANADA | 93844 | CT | INVERCARGILL AERODROME | N ZEALAND |
| 60563 | C | HASSIR'MEL | ALGERIA | 80370 | C | IPALES/SAN LUIS | COLOMBIA |
| 20891 | CT | HATANGA | RUSSIAN FEDERATION | 71321 | C | IQALUIT CLIMATE, NU | CANADA |
| 71361 | C | HAY RIVER CLIMATE, NWT | CANADA | 84377 | C | IQUITOS | PERU |
| 72772 | C | HELENA/COUNTY-CITY, | USA | 83881 | C | IRAI | BRAZIL |
| 16754 | CT | HERAKLION (AIRPORT) | GREECE | 30710 | C | IRKUTSK | RUSSIAN FEDERATION |
| 60001 | C | HIERRO/AEROPUERTO | SPAIN | 29807 | C | IRTYSHSK | KAZAKHSTAN |
| 71066 | C | HIGH LEVEL A, ALTA | CANADA | 71074 | C | ISACHSEN (AUT), NU | CANADA |
| 91285 | CT | HILO/GEN. LYMAN, HAWAII, HAW | USA | 47918 | CT | ISHIGAKIJIMA | JAPAN |
| 98755 | C | HINATUAN | PHILIPPINES | 41571 | C | ISLAMABAD AIRPORT | PAKISTAN |
| 94975 | C | HOBART AIRPORT | AUSTRALIA | 17240 | CT | ISPARTA | TURKEY |
| 10685 | C | HOF | GERMANY | 17062 | CT | ISTANBUL/GOZTEPE | TURKEY |
| 10962 | C | HOHENPEISSENBERG | GERMANY | 82445 | C | ITAITUBA | BRAZIL |
| 93615 | C | HOKITIKA AERODROME AWS | N ZEALAND | 04339 | C | ITTOQQORTOORMIIT (SCORESBYSU | GREENLAND |
| 71029 | C | HOLMAN CS, NWT | CANADA | 10142 | C | ITZEHOE | GERMANY |
| 61240 | C | HOMBORI | MALI | 33526 | C | IVANO-FRANKIVS'K | UKRAINE |
| 62131 | C | HON | LIBYAN ARAB JAMAHIR | 23921 | CT | IVDEL' | RUSSIAN FEDERATION |
| 68112 | C | HOSEA KUTAKO INT'L AIRPORT | NAMIBIA | 83704 | C | IVINHEMA | BRAZIL |
| 51828 | C | HOTAN | CHINA | 60010 | C | IZANA | SPAIN |
| 72243 | C | HOUSTON/INTERCONTINENTAL, TX | USA | 34415 | C | IZIUM | UKRAINE |
| 44218 | C | HOVD | MONGOLIA | 17220 | CT | IZMIR/GUZELYALI | TURKEY |
| 08383 | C | HUELVA | SPAIN | 84088 | C | IZOBAMBA | ECUADOR |
| 44285 | C | HUJIRT | MONGOLIA | 47800 | CT | IZUHARA | JAPAN |
| 72425 | C | HUNTINGTON, WV. | USA | 87305 | C | JACHAL | ARGENTINA |
| 03862 | C | HURN | U KINGDOM | 08417 | C | JAEN | SPAIN |
| 44232 | C | HUTAG | MONGOLIA | 43041 | C | JAGDALPUR | INDIA |
| 43128 | CT | HYDERABAD AIRPORT | INDIA | 24959 | CT | JAKUTSK | RUSSIAN FEDERATION |
| 47016 | C | HYESAN | DPR KOREA | 76687 | C | JALAPA, VER. | MEXICO |
| 15090 | C | IASI | ROMANIA | 01001 | CT | JAN MAYEN | NORWAY |

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|-------|----|------------------------------|---------------------|-------|----|-----------------------------|---------------------|
| 97690 | C | JAYAPURA/SENTANI | INDONESIA | 22520 | C | KEM'-PORT | RUSSIAN FEDERATION |
| 41024 | CT | JEDDAH (KING ABDUL AZIZ INT. | SAUDI ARABIA | 60120 | C | KENITRA | MOROCCO |
| 47184 | C | JEJU | REP KOREA | 16641 | C | KERKYRA (AIRPORT) | GREECE |
| 60725 | C | JENDOUBA | TUNISIA | 02805 | C | KEVO | FINLAND |
| 08451 | C | JEREZ DE LA FRONTERA AEROPUE | SPAIN | 72201 | C | KEY WEST/INT., FL | USA |
| 41598 | C | JHELUM | PAKISTAN | 44313 | C | KHALKH-GOL | MONGOLIA |
| 60351 | C | JIJEL-ACHOUAT | ALGERIA | 33902 | C | KHERSON | UKRAINE |
| 63402 | C | JIMMA | ETHIOPIA | 33429 | C | KHMEL'NYTS'KYI | UKRAINE |
| 52533 | C | JIUQUAN | CHINA | 41744 | C | KHUZDAR | PAKISTAN |
| 41756 | C | JIWANI | PAKISTAN | 33345 | CT | KIEV | UKRAINE |
| 42339 | CT | JODHPUR | INDIA | 61498 | C | KIFFA | MAURITANIA |
| 02929 | C | JOENSUU | FINLAND | 64387 | C | KIGALI | RWANDA |
| 02963 | CT | JOKIOINEN | FINLAND | 02801 | C | KILPISJARVI | FINLAND |
| 02550 | C | JONKOPING/AXAMO | SWEDEN | 68438 | C | KIMBERLEY | SOUTH AFRICA |
| 78762 | C | JUAN SANTAMARIA INT. AIRPORT | COSTA RICA | 40437 | CT | KING KHALED INT. AIRPORT | SAUDI ARABIA |
| 62941 | C | JUBA | SUDAN | 30230 | CT | KIRENSK | RUSSIAN FEDERATION |
| 87046 | C | JUJUY AERO | ARGENTINA | 24606 | C | KISLOKAN | RUSSIAN FEDERATION |
| 78866 | CT | JULIANA AIRPORT, | NETHERLANDS ANTILLE | 61270 | C | KITA | MALI |
| 87548 | C | JUNIN AERO | ARGENTINA | 30925 | C | KJAHTA | RUSSIAN FEDERATION |
| 32150 | CT | JUZHNO-SAHALINSK | RUSSIAN FEDERATION | 21921 | C | KJUSJUR | RUSSIAN FEDERATION |
| 02935 | CT | JYVASKYLA | FINLAND | 11231 | C | KLAGENFURT-FLUGHAFEN | AUSTRIA |
| 40417 | C | K.F.I.A. (KING FAHAD INT. AI | SAUDI ARABIA | 32389 | C | KLJUCHI | RUSSIAN FEDERATION |
| 40948 | C | KABUL AIRPORT | AFGHANISTAN,ISLAMIC | 72326 | C | KNOXVILLE/MUN., TN. | USA |
| 62810 | C | KADOGLLI | SUDAN | 11487 | C | KOCELOVICE | CZECH REP |
| 61492 | C | KAEDI | MAURITANIA | 06186 | C | KOEBENHAVN/LANDBOHOEJSKOLEN | DENMARK AND FAROE I |
| 47827 | CT | KAGOSHIMA | JAPAN | 36535 | C | KOKPEKTY | KAZAKHSTAN |
| 10427 | C | KAHLER ASTEN | GERMANY | 29231 | CT | KOLPASEVO | RUSSIAN FEDERATION |
| 93678 | C | KAIKOURA | N ZEALAND | 33883 | C | KOMRAT | REP MOLDOVA |
| 02897 | C | KAJAANI | FINLAND | 10929 | C | KONSTANZ | GERMANY |
| 16726 | C | KALAMATA (AIRPORT) | GREECE | 25503 | C | KORKODON | RUSSIAN FEDERATION |
| 25744 | C | KAMENSKOE | RUSSIAN FEDERATION | 27333 | C | KOSTROMA | RUSSIAN FEDERATION |
| 47605 | C | KANAZAWA | JAPAN | 42452 | C | KOTA AERODROME | INDIA |
| 61679 | C | KAOLACK | SENEGAL | 61293 | C | KOUTIALA | MALI |
| 71299 | C | KAPUSKASING CDA ON, ONT | CANADA | 45004 | CT | KOWLOON | HONG KONG, CHINA |
| 02080 | C | KARESUANDO | SWEDEN | 43314 | C | KOZHIKODE | INDIA |
| 51709 | C | KASHI | CHINA | 12566 | C | KRAKOW | POLAND |
| 44454 | C | KATHMANDU AIRPORT | NEPAL | 14008 | C | KREDARICA | SLOVENIA |
| 26629 | C | KAUNAS | LITHUANIA | 33791 | C | KRYVYI RIH | UKRAINE |
| 92076 | C | KAVIENG W.O. | PAPUA N GUINEA | 60514 | C | KSAR CHELLALA | ALGERIA |
| 61257 | C | KAYES | MALI | 48647 | C | KUALA LUMPUR/SUBANG | MALAYSIA |
| 27595 | C | KAZAN' | RUSSIAN FEDERATION | 96413 | CT | KUCHING | MALAYSIA |
| 61699 | C | KEDOUGOU | SENEGAL | 62271 | C | KUFRA | LIBYAN ARAB JAMAHIR |
| 68312 | C | KEETMANSHOOP | NAMIBIA | 38343 | C | KULAN | KAZAKHSTAN |
| 04018 | CT | KEFLAVIKURFLUGVOLLUR | ICELAND | 65442 | C | KUMASI | GHANA |

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| 56778 | CT | KUNMING | CHINA | 14015 | C | LJUBLJANA/BEZIGRAD | SLOVENIA |
| 97372 | C | KUPANG/ELTARI | INDONESIA | 08084 | C | LOGRONO/AGONCILLO | SPAIN |
| 15730 | C | KURDJALI | BULGARIA | 84270 | C | LOJA/LA ARGELIA | ECUADOR |
| 47418 | C | KUSHIRO | JAPAN | 83766 | C | LONDRINA | BRAZIL |
| 17155 | C | KUTAHYA | TURKEY | 94995 | C | LORD HOWE ISLAND AERO | AUSTRALIA |
| 02869 | C | KUUSAMO | FINLAND | 72295 | C | LOS ANGELES /INT., | USA |
| 02120 | C | KVIKKJOKK-ARRENJARKA | SWEDEN | 72423 | C | LOUISVILLE/STANDIFORD, KY. | USA |
| 91366 | C | KWAJALEIN/BUCHOLZ AAF, MARSH | USA | 95964 | C | LOW HEAD | AUSTRALIA |
| 30949 | C | KYRA | RUSSIAN FEDERATION | 48930 | C | LUANG-PRABANG | LAO PDR |
| 36096 | C | KYZYL | RUSSIAN FEDERATION | 33377 | C | LUBNY | UKRAINE |
| 33393 | C | L'VIV | UKRAINE | 42369 | T | LUCKNOW/AMAUSI | INDIA |
| 08001 | CT | LA CORUNA | SPAIN | 10418 | C | LUEDENSCHIED | GERMANY |
| 82723 | C | LABREA | BRAZIL | 06770 | C | LUGANO | SWITZERLAND & LIECH |
| 60545 | C | LAGHOUAT | ALGERIA | 34523 | C | LUHANS'K | UKRAINE |
| 10805 | C | LAHR | GERMANY | 16597 | C | LUQA | MALTA |
| 72240 | C | LAKE CHARLES/MUN., | USA | 06590 | C | LUXEMBOURG/LUXEMBOURG | LUXEMBOURG |
| 72576 | C | LANDER/HUNT, WY. | USA | 03740 | C | LYNEHAM | U KINGDOM |
| 98223 | C | LAOAG | PHILIPPINES | 60467 | C | M'SILA | ALGERIA |
| 23867 | C | LAR' YAK | RUSSIAN FEDERATION | 40310 | C | MA'AN | JORDAN |
| 60030 | C | LAS PALMAS DE GRAN CANARIA/G | SPAIN | 44294 | C | MAANTI | MONGOLIA |
| 40022 | C | LATTAKIA | SYRIAN ARAB REP | 82098 | C | MACAPA | BRAZIL |
| 94968 | C | LAUNCESTON AIRPORT COMPARISO | AUSTRALIA | 08221 | CT | MADRID/BARAJAS | SPAIN |
| 94865 | C | LAVERTON RAAF | AUSTRALIA | 47624 | C | MAEBASHI | JAPAN |
| 07471 | C | LE PUY | FRANCE | 40265 | CT | MAFRAQ | JORDAN |
| 94302 | CT | LEARMONTH AIRPORT | AUSTRALIA | 61091 | C | MAGARIA | NIGER |
| 12120 | CT | LEBA | POLAND | 37472 | C | MAHACHKALA | RUSSIAN FEDERATION |
| 03257 | C | LEEMING | U KINGDOM | 47750 | C | MAIZURU | JAPAN |
| 12374 | T | LEGIONOWO | POLAND | 91376 | C | MAJURO/MARSHALL IS. INTNL. | USA |
| 10449 | C | LEINEFELDE | GERMANY | 28666 | C | MAKUSINO | RUSSIAN FEDERATION |
| 36208 | C | LENINOGORSK | KAZAKHSTAN | 48665 | C | MALACCA | MALAYSIA |
| 08055 | C | LEON/VIRGEN DEL CAMINO | SPAIN | 30252 | C | MAMAKAN | RUSSIAN FEDERATION |
| 03005 | CT | LERWICK | U KINGDOM | 03797 | C | MANSTON | U KINGDOM |
| 80398 | C | LETICIA/VASQUEZ COBO | COLOMBIA | 67341 | C | MAPUTO/MAVALANE | MOZAMBIQUE |
| 28064 | C | LEUSI | RUSSIAN FEDERATION | 07650 | C | MARNIGNE | FRANCE |
| 72422 | C | LEXINGTON/BLUE GRASS, KY. | USA | 40745 | CT | MASHHAD | IRAN, ISLAMIC REP |
| 55591 | CT | LHASA | CHINA | 47741 | C | MATSUE | JAPAN |
| 11603 | C | LIBEREC | CZECH REP | 89564 | C | MAWSON | AUSTRALIA |
| 67217 | C | LICHINGA | MOZAMBIQUE | 70231 | C | MCGRATH, AK | USA |
| 26406 | C | LIEPAJA | LATVIA | 89664 | T | MCMURDO | USA |
| 91165 | C | LIHUE, KAUAI, HAWAII | USA | 60549 | C | MECHERIA | ALGERIA |
| 07015 | C | LILLE | FRANCE | 96035 | CT | MEDAN/POLONIA | INDONESIA |
| 07434 | C | LIMOGES | FRANCE | 94430 | C | MEEKATHARRA AIRPORT | AUSTRALIA |
| 10305 | C | LINGEN | GERMANY | 10548 | CT | MEININGEN | GERMANY |
| 08579 | T | LISBOA/GAGO COUTINHO | PORTUGAL | 60150 | C | MEKNES | MOROCCO |

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| 60338 | C | MELILLA | SPAIN | 38611 | C | NAMANGAN | UZBEKISTAN |
| 61250 | C | MENAKA | MALI | 07180 | T | NANCY-ESSEY | FRANCE |
| 80438 | C | MERIDA | VENEZUELA | 23205 | CT | NAR'JAN-MAR | RUSSIAN FEDERATION |
| 16420 | C | MESSINA | ITALY | 72327 | CT | NASHVILLE/METROPOLITAN, TN. | USA |
| 16734 | C | METHONI | GREECE | 65319 | C | NATITINGOU | BENIN |
| 76680 | C | MEXICO (CENTRAL), | MEXICO | 91683 | C | NAUSORI | FIJI |
| 22471 | C | MEZEN' | RUSSIAN FEDERATION | 08215 | C | NAVACERRADA | SPAIN |
| 72202 | C | MIAMI, FL | USA | 41749 | C | NAWABSHAH | PAKISTAN |
| 10648 | C | MICHELSTADT-VIELBRUNN | GERMANY | 37936 | C | NAXCIVAN | AZERBAIJAN |
| 60195 | C | MIDELT | MOROCCO | 47909 | CT | NAZE | JAPAN |
| 16080 | T | MILANO/LINATE | ITALY | 64700 | CT | NDJAMENA | CHAD |
| 47945 | CT | MINAMIDAITOJIMA | JAPAN | 80315 | C | NEIVA/BENITO SALAS | COLOMBIA |
| 89592 | CT | MIRNYJ | ANTARCTICA | 31152 | C | NEL' KAN | RUSSIAN FEDERATION |
| 62016 | C | MISURATA | LIBYAN ARAB JAMAHIR | 61497 | C | NEMA | MAURITANIA |
| 47927 | C | MIYAKOJIMA | JAPAN | 29752 | C | NENASTNAYA | RUSSIAN FEDERATION |
| 64665 | C | MOBAYE | CENTRAL AFRICAN REP | 30879 | C | NERCHINSKIJ ZAVOD | RUSSIAN FEDERATION |
| 26863 | C | MOGILEV | BELARUS | 10557 | C | NEUHAUS A.R. | GERMANY |
| 47165 | C | MOKPO | REP KOREA | 42182 | CT | NEW DELHI/SAFDARJUNG | INDIA |
| 72544 | C | MOLINE/QUAD CITY, | USA | 48877 | C | NHA TRANG | VIET NAM |
| 92044 | C | MOMOTE W.O. | PAPUA N GUINEA | 61052 | CT | NIAMEY-AERO | NIGER |
| 07560 | C | MONT AIGOUAL | FRANCE | 07690 | C | NICE | FRANCE |
| 71309 | C | MOOSONEE RCS, ONT | CANADA | 17250 | C | NIGDE | TURKEY |
| 61265 | C | MOPTI | MALI | 02942 | C | NIINISALO | FINLAND |
| 76665 | C | MORELIA, MICH. | MEXICO | 31369 | C | NIKOLAEVSK-NA-AMURE | RUSSIAN FEDERATION |
| 27612 | CT | MOSKVA | RUSSIAN FEDERATION | 07645 | T | NIMES-COURBESSAC | FRANCE |
| 64550 | C | MOUILA | GABON | 13388 | C | NIS | SERBIA AND MONTENEG |
| 33036 | C | MOZYR | BELARUS | 27459 | CT | NIZHNIJ NOVGOROD | RUSSIAN FEDERATION |
| 63971 | C | MTWARA | U REP TANZANIA | 23724 | C | NJAKSIMVOL' | RUSSIAN FEDERATION |
| 10315 | C | MUENSTER/OSNABRUECK | GERMANY | 41710 | C | NOKKUNDI | PAKISTAN |
| 17292 | C | MUGLA | TURKEY | 70200 | CT | NOME, AK | USA |
| 42147 | C | MUKTESHWAR KUMAON | INDIA | 10113 | C | NORDERNEY | GERMANY |
| 41675 | C | MULTAN | PAKISTAN | 61415 | CT | NOUADHIBOU | MAURITANIA |
| 08430 | CT | MURCIA | SPAIN | 89512 | CT | NOVOLAZAREVSKAJA | USSR |
| 72636 | C | MUSKEGON/COUNTY, MI. | USA | 94750 | C | NOWRA RAN AIR STATION AWS | AUSTRALIA |
| 63756 | C | MWANZA | U REP TANZANIA | 10506 | C | NUERBURG-BARWEILER | GERMANY |
| 20476 | C | MYS STERLEGOVA | RUSSIAN FEDERATION | 94681 | C | NURIOOTPA VITICULTURAL | AUSTRALIA |
| 61049 | C | N'GUIGMI | NIGER | 04250 | C | NUUK (GODTHAAB) | GREENLAND |
| 60557 | C | NAAMA | ALGERIA | 43473 | C | NUWARA ELIYA | SRI LANKA |
| 91680 | CT | NADI AIRPORT | FIJI | 91212 | C | NWSO AGANA, GUAM, MARIANA IS | USA |
| 47636 | C | NAGOYA | JAPAN | 62790 | C | NYALA | SUDAN |
| 47936 | C | NAHA | JAPAN | 62200 | C | OBARI | LIBYAN ARAB JAMAHIR |
| 41128 | C | NAJRAN | SAUDI ARABIA | 10948 | C | OBERSTDORF | GERMANY |
| 24713 | C | NAKANNO | RUSSIAN FEDERATION | 33837 | C | ODESA | UKRAINE |
| 62002 | C | NALUT | LIBYAN ARAB JAMAHIR | 10742 | C | OEHRINGEN | GERMANY |

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|-------|----|------------------------------|---------------------|-------|----|------------------------------|--------------------|
| 31088 | CT | OHOTSK | RUSSIAN FEDERATION | 87544 | C | PEHUAJO AERO | ARGENTINA |
| 47815 | C | OITA | JAPAN | 96109 | C | PEKAN BARU/SIMPANGTIGA | INDONESIA |
| 24688 | C | OJMJAKON | RUSSIAN FEDERATION | 67215 | C | PEMBA | MOZAMBIQUE |
| 72353 | C | OKLAHOMA CITY/W. ROGERS WORL | USA | 27962 | T | PENZA | RUSSIAN FEDERATION |
| 23734 | C | OKTJABR'SKOE | RUSSIAN FEDERATION | 72532 | C | PEORIA/GREATER PEORIA MUN., | USA |
| 10215 | C | OLDENBURG | GERMANY | 07747 | C | PERPIGNAN | FRANCE |
| 24125 | CT | OLENEK | RUSSIAN FEDERATION | 41530 | C | PESHAWAR | PAKISTAN |
| 72792 | C | OLYMPIA, WA. | USA | 82983 | CT | PETROLINA | BRAZIL |
| 47655 | C | OMAEZAKI | JAPAN | 48887 | C | PHAN THIET | VIET NAM |
| 44215 | C | OMNO-GOBI | MONGOLIA | 48378 | C | PHITSANULOK | THAILAND |
| 25428 | C | OMOLON | RUSSIAN FEDERATION | 72278 | C | PHOENIX/SKY HARBOR, | USA |
| 28698 | CT | OMSK | RUSSIAN FEDERATION | 48826 | C | PHU LIEN | VIET NAM |
| 01212 | C | ONA II | NORWAY | 16052 | C | PIAN ROSA | ITALY |
| 22641 | C | ONEGA | RUSSIAN FEDERATION | 84140 | C | PICHILINGUE | ECUADOR |
| 94476 | C | OODNADATTA AIRPORT | AUSTRALIA | 76243 | C | PIEDRAS NEGRAS, COAH. | MEXICO |
| 87016 | C | ORAN AERO | ARGENTINA | 87349 | C | PILAR OBSERVATORIO | ARGENTINA |
| 08048 | C | ORENSE | SPAIN | 33019 | C | PINSK | BELARUS |
| 76737 | C | ORIZABA, VER. | MEXICO | 16158 | C | PISA/S. GIUSTO | ITALY |
| 01241 | CT | ORLAND III | NORWAY | 72520 | C | PITTSBURGH/GREATER PITTSBURG | USA |
| 40712 | C | ORUMIEH | IRAN, ISLAMIC REP | 84401 | C | PIURA | PERU |
| 47772 | C | OSAKA | JAPAN | 61990 | C | PLAISANCE (MAURITIUS) | MAURITIUS |
| 10480 | C | OSCHATZ | GERMANY | 07117 | C | PLOUMANAC'H PERROS GUIREC | FRANCE |
| 47675 | C | OSHIMA | JAPAN | 65518 | C | PO | BURKINA FASO |
| 01384 | C | OSLO/GARDERMOEN | NORWAY | 72578 | C | POCATELLO/MUN., ID. | USA |
| 02226 | C | OSTERSUND FROSON | SWEDEN | 61612 | C | PODOR | SENEGAL |
| 60265 | C | OUARZAZATE | MOROCCO | 32027 | C | POGIBI | RUSSIAN FEDERATION |
| 60115 | C | OUJDA | MOROCCO | 47138 | C | POHANG | REP KOREA |
| 02875 | C | OULU | FINLAND | 07207 | C | POINTE DU TALUT | FRANCE |
| 60421 | C | OUM EL BOUAGHI | ALGERIA | 20046 | C | POLARGMO IM. E.T. KRENKELJA | RUSSIAN FEDERATION |
| 08015 | C | OVIEDO | SPAIN | 08053 | C | PONFERRADA | SPAIN |
| 22619 | C | PADANY | RUSSIAN FEDERATION | 11934 | C | POPRAD/TATRY | SLOVAKIA |
| 16022 | C | PAGANELLA | ITALY | 27675 | C | PORETSKOE | RUSSIAN FEDERATION |
| 48955 | C | PAKSE | LAO PDR | 83332 | C | POSSE | BRAZIL |
| 08301 | C | PALMA DE MALLORCA | SPAIN | 10379 | C | POTSDAM | GERMANY |
| 08085 | C | PAMPLONA/NOAIN | SPAIN | 83358 | C | POXOREO (POXOREU) | BRAZIL |
| 96237 | C | PANGKAL PINANG | INDONESIA | 12330 | C | POZNAN | POLAND |
| 65330 | C | PARAKOU | BENIN | 11520 | CT | PRAHA-LIBUS | CZECH REP |
| 37432 | C | PASANAURI | GEORGIA | 31989 | C | PREOBRAZHENIE | RUSSIAN FEDERATION |
| 42492 | T | PATNA | INDIA | 11423 | C | PRIMDA | CZECH REP |
| 71984 | C | PAULATUK, NWT | CANADA | 72507 | C | PROVIDENCE/GREEN STATE, RI. | USA |
| 27823 | C | PAVELETS | RUSSIAN FEDERATION | 84515 | C | PUCALLPA | PERU |
| 06610 | CT | PAYERNE | SWITZERLAND & LIECH | 29313 | C | PUDINO | RUSSIAN FEDERATION |
| 71434 | C | PEAWANUCK (AUT), ONT | CANADA | 76855 | C | PUERTO ANGEL, OAX. | MEXICO |
| 12942 | C | PECS/POGANY | HUNGARY | 43063 | C | PUNE | INDIA |

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| 26359 | C | PUSKINSKIE GORY | RUSSIAN FEDERATION | 71600 | C | SABLE ISLAND, NS | CANADA |
| 43424 | C | PUTTALAM | SRI LANKA | 71467 | C | SACHS HARBOUR CLIMATE, NWT | CANADA |
| 47058 | C | PYONGYANG | DPR KOREA | 28552 | C | SADRINSK | RUSSIAN FEDERATION |
| 56137 | C | QAMDO | CHINA | 06680 | C | SAENTIS | SWITZERLAND & LIECH |
| 54857 | C | QINGDAO | CHINA | 42671 | C | SAGAR | INDIA |
| 50745 | C | QIQIHAR | CHINA | 60536 | C | SAIDA | ALGERIA |
| 67283 | C | QUELIMANE | MOZAMBIQUE | 08202 | C | SALAMANCA/MATACAN | SPAIN |
| 72797 | C | QUILLAYUTE, WA. | USA | 16723 | C | SAMOS (AIRPORT) | GREECE |
| 48870 | C | QUY NHON | VIET NAM | 61277 | C | SAN | MALI |
| 60135 | C | RABAT-SALE | MOROCCO | 82106 | C | SAO GABRIEL DA CACHOEIRA | BRAZIL |
| 40362 | C | RAFHA | SAUDI ARABIA | 47412 | CT | SAPPORO | JAPAN |
| 72306 | C | RALEIGH/RALEIGH-DURHAM, NC. | USA | 14654 | C | SARAJEVO-BJELAVE | BOSNIA AND HERZEGOV |
| 93994 | C | RAOUL ISLAND, KERMADEC IS. A | N ZEALAND | 21802 | C | SASKYLAH | RUSSIAN FEDERATION |
| 72662 | C | RAPID CITY/REGIONAL AIRPORT, | USA | 97900 | C | SAUMLAKI/OLILIT | INDONESIA |
| 91843 | C | RAROTONGA | COOK ISLANDS | 72207 | C | SAVANNAH/MUNICIPAL, | USA |
| 95670 | C | RAYVILLE PARK | AUSTRALIA | 48938 | C | SAYABOURY | LAO PDR |
| 82900 | CT | RECIFE | BRAZIL | 71828 | C | SCHEFFERVILLE A, QUE | CANADA |
| 10776 | C | REGENSBURG | GERMANY | 98430 | C | SCIENCE GARDEN | PHILIPPINES |
| 07070 | C | REIMS | FRANCE | 72793 | C | SEATTLE/S.-TACOMA, | USA |
| 07130 | C | RENNES | FRANCE | 62124 | C | SEBHA | LIBYAN ARAB JAMAHIR |
| 71407 | C | RESERVED OR UNKNOWN | CANADA | 41256 | CT | SEEB, INT'L AIRPORT | OMAN |
| 08175 | C | REUS/AEROPUERTO | SPAIN | 24661 | C | SEGEN-KYUEL' | RUSSIAN FEDERATION |
| 04030 | C | REYKJAVIK | ICELAND | 25703 | T | SEJMCHAN | RUSSIAN FEDERATION |
| 72401 | C | RICHMOND/BYRD, VA. | USA | 96837 | C | SEMARANG | INDONESIA |
| 91948 | C | RIKITEA | FRENCH POLY. | 47590 | C | SENDAI | JAPAN |
| 44203 | C | RINCHINLHUMBE | MONGOLIA | 47108 | C | SEOUL | REP KOREA |
| 82915 | C | RIO BRANCO | BRAZIL | 71279 | C | SEPT-ILES, QUE | CANADA |
| 33301 | C | RIVNE | UKRAINE | 61976 | C | SERGE-FROLOW (ILE TROMELIN) | OCEAN ISLANDS |
| 40438 | C | RIYADH OBS. (O.A.P.) | SAUDI ARABIA | 60445 | C | SETIF | ALGERIA |
| 17040 | C | RIZE | TURKEY | 08391 | C | SEVILLA/SAN PABLO | SPAIN |
| 72411 | C | ROANOKE/MUN., VA. | USA | 63985 | T | SEYCHELLES INTER. AIRPORT (R | SEYCHELLES |
| 71490 | C | ROBERTSON LAKE (AUT), NU | CANADA | 37126 | C | SHADZHATMAZ | RUSSIAN FEDERATION |
| 72529 | C | ROCHESTER/ROCHESTER-MONROE C | USA | 22768 | C | SHENKURSK | RUSSIAN FEDERATION |
| 61988 | C | RODRIGUES | MAURITIUS | 47778 | CT | SHIONOMISAKI | JAPAN |
| 06190 | C | ROENNE | DENMARK AND FAROE I | 22271 | T | SHOJNA | RUSSIAN FEDERATION |
| 30650 | C | ROMANOVKA | RUSSIAN FEDERATION | 72248 | C | SHREVEPORT/REG., LA. | USA |
| 87480 | C | ROSARIO AERO | ARGENTINA | 38328 | C | SHYMKENT | KAZAKHSTAN |
| 89062 | C | ROTHERA | U KINGDOM | 26524 | C | SIAULIAI | LITHUANIA |
| 07037 | C | ROUEN | FRANCE | 15260 | C | SIBIU | ROMANIA |
| 51777 | C | RUOQIANG | CHINA | 60520 | C | SIDI-BEL-ABBES | ALGERIA |
| 28966 | C | RUZAEVKA | KAZAKHSTAN | 17210 | C | SIIRT | TURKEY |
| 27730 | T | RYAZAN' | RUSSIAN FEDERATION | 42619 | C | SILCHAR | INDIA |
| 16360 | C | S. MARIA DI LEUCA | ITALY | 33946 | C | SIMFEROPOL' | UKRAINE |
| 10708 | C | SAARBRUECKEN/ENSHEIM | GERMANY | 47035 | C | SINUIJU | DPR KOREA |

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| 71842 | C | SIOUX LOOKOUT A, ONT | CANADA | 12205 | C | SZCZECIN | POLAND |
| 62019 | C | SIRTE | LIBYAN ARAB JAMAHIR | 12982 | CT | SZEGED | HUNGARY |
| 17090 | C | SIVAS | TURKEY | 40375 | CT | TABUK | SAUDI ARABIA |
| 62417 | C | SIWA | EGYPT | 84782 | C | TACNA | PERU |
| 60355 | C | SKIKDA | ALGERIA | 34720 | C | TAGANROG | RUSSIAN FEDERATION |
| 71069 | C | SLAVE LAKE A, ALTA | CANADA | 91938 | CT | TAHITI-FAAA | FRENCH POLY. |
| 11903 | C | SLIAC | SLOVAKIA | 35406 | C | TAIPAK | KAZAKHSTAN |
| 26951 | C | SLUTSK | BELARUS | 25932 | C | TAJGONOS | RUSSIAN FEDERATION |
| 71950 | C | SMITHERS A, BC | CANADA | 47891 | C | TAKAMATSU | JAPAN |
| 26781 | C | SMOLENSK | RUSSIAN FEDERATION | 26038 | C | TALLINN | ESTONIA |
| 76845 | C | SN. CRISTOBAL LAS CASAS, CHI | MEXICO | 60680 | CT | TAMANRASSET | ALGERIA |
| 32477 | C | SOBOLEVO | RUSSIAN FEDERATION | 60101 | C | TANGER (AERODROME) | MOROCCO |
| 02836 | C | SODANKYLA | FINLAND | 76903 | C | TAPACHULA, CHIS | MEXICO |
| 15614 | CT | SOFIA (OBSERV.) | BULGARIA | 28493 | C | TARA | RUSSIAN FEDERATION |
| 48806 | C | SON LA | VIET NAM | 04360 | C | TASIILAQ (AMMASSALIK) | GREENLAND |
| 08148 | C | SORIA | SPAIN | 47646 | T | TATENO | JAPAN |
| 16746 | C | SOUDA (AIRPORT) | GREECE | 96481 | CT | TAWAU | MALAYSIA |
| 31770 | C | SOVETSKAYA GAVAN' | RUSSIAN FEDERATION | 23256 | C | TAZOVSKOE | RUSSIAN FEDERATION |
| 14445 | C | SPLIT/MARJAN | CROATIA | 37545 | C | TBILISI | GEORGIA |
| 72785 | C | SPOKANE/INT., WA. | USA | 60475 | C | TEBESSA | ALGERIA |
| 68512 | C | SPRINGBOK | SOUTH AFRICA | 24967 | C | TEGYULTYA | RUSSIAN FEDERATION |
| 25206 | C | SREDNE-KOLYMSK | RUSSIAN FEDERATION | 35426 | C | TEMIR | KAZAKHSTAN |
| 42027 | C | SRINAGAR | INDIA | 60018 | T | TENERIFE-GUIMAR | SPAIN |
| 10028 | C | ST PETER-ORDING | GERMANY | 83492 | C | TEOFILO OTONI | BRAZIL |
| 61986 | C | ST. BRANDON (ST. RAPHAEL) | MAURITIUS | 76373 | C | TEPEHUANES, DGO. | MEXICO |
| 01415 | CT | STAVANGER/SOLA | NORWAY | 16232 | C | TERMOLI | ITALY |
| 71017 | C | STEFANSSON ISLAND, NU | CANADA | 61202 | C | TESSALIT | MALI |
| 02485 | C | STOCKHOLM | SWEDEN | 67261 | C | TETE | MOZAMBIQUE |
| 07190 | C | STRASBOURG-ENTZHEIM | FRANCE | 94570 | C | TEWANTIN RSL PARK | AUSTRALIA |
| 10738 | C | STUTTGART-ECHTERDINGEN | GERMANY | 48840 | C | THANH HOA | VIET NAM |
| 15023 | C | SUCEAVA | ROMANIA | 71695 | C | THE PAS CLIMATE, MAN | CANADA |
| 24136 | C | SUHANA | RUSSIAN FEDERATION | 43371 | CT | THIRUVANANTHAPURAM | INDIA |
| 15360 | C | SULINA | ROMANIA | 71079 | C | THOMPSON | CANADA |
| 97260 | C | SUMBAWA BESAR/BRANGBIJI | INDONESIA | 41314 | C | THUMRAIT | OMAN |
| 24738 | C | SUNTAR | RUSSIAN FEDERATION | 60511 | C | TIARET | ALGERIA |
| 22676 | C | SURA | RUSSIAN FEDERATION | 61450 | C | TIDJIKJA | MAURITANIA |
| 24790 | C | SUSUMAN | RUSSIAN FEDERATION | 21824 | T | TIKSI | RUSSIAN FEDERATION |
| 47421 | C | SUTTSU | JAPAN | 61036 | C | TILLABERY | NIGER |
| 01008 | C | SVALBARD LUFTHAVN | NORWAY | 02366 | C | TIMRA/MIDLANDA | SWEDEN |
| 71446 | C | SWIFT CURRENT CDA, SASK | CANADA | 60656 | C | TINDOUF | ALGERIA |
| 94767 | C | SYDNEY AIRPORT AMO | AUSTRALIA | 03100 | C | TIREE | U KINGDOM |
| 23804 | T | SYKTYVKAR | RUSSIAN FEDERATION | 60395 | C | TIZI-OUZOU | ALGERIA |
| 89532 | CT | SYOWA | JAPAN | 76683 | C | TLAXCALA, TLAX. | MEXICO |
| 72519 | C | SYRACUSE/HANCOCK, | USA | 60531 | C | TLEMCEN-ZENATA | ALGERIA |

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| 28275 | C | TOBOL'SK | RUSSIAN FEDERATION | 17170 | C | VAN | TURKEY |
| 31137 | C | TOKO | RUSSIAN FEDERATION | 01098 | C | VARDO | NORWAY |
| 08272 | C | TOLEDO | SPAIN | 33038 | C | VASILEVICH | BELARUS |
| 61223 | CT | TOMBOUCTOU | MALI | 23678 | C | VERHNEIMBATSK | RUSSIAN FEDERATION |
| 06011 | CT | TORSHAVN | DENMARK AND FAROE I | 72255 | C | VICTORIA/VICTORIA REGIONAL, | USA |
| 44225 | C | TOSONTSENGEL | MONGOLIA | 15502 | C | VIDIN | BULGARIA |
| 27051 | C | TOT'MA | RUSSIAN FEDERATION | 87791 | C | VIEDMA AERO | ARGENTINA |
| 07240 | C | TOURS | FRANCE | 08045 | C | VIGO/PEINADOR | SPAIN |
| 94294 | CT | TOWNSVILLE AERO | AUSTRALIA | 24641 | C | VILJUJSK | RUSSIAN FEDERATION |
| 16429 | C | TRAPANI BIRGI | ITALY | 48845 | C | VINH | VIET NAM |
| 16098 | C | TREVISO/ISTRANA | ITALY | 02590 | C | VISBY | SWEDEN |
| 10609 | C | TRIER-PETRISBERG | GERMANY | 26666 | C | VITEBSK | BELARUS |
| 01025 | C | TROMSO/LANGNES | NORWAY | 31960 | C | VLADIVOSTOK | RUSSIAN FEDERATION |
| 26997 | C | TRUBCHEVSK | RUSSIAN FEDERATION | 06310 | C | VLISSINGEN | NETHERLANDS |
| 44282 | C | TSETSERLEG | MONGOLIA | 20982 | C | VOLOCHANKA | RUSSIAN FEDERATION |
| 44347 | C | TSOGT-OVOO | MONGOLIA | 34122 | T | VORONEZ | RUSSIAN FEDERATION |
| 91954 | C | TUBUAI | FRENCH POLY. | 89606 | C | VOSTOK | ANTARCTICA |
| 72274 | C | TUCSON/INT., AZ. | USA | 33777 | C | VOZNESENS'K | UKRAINE |
| 98233 | C | TUGUEGARAO | PHILIPPINES | 22837 | C | VYTEGRA | RUSSIAN FEDERATION |
| 76634 | C | TULANCINGO, HGO. | MEXICO | 72256 | C | WACO, MADISON-COOPER, | USA |
| 80453 | C | TUMEREMO | VENEZUELA | 62751 | C | WAD MEDANI | SUDAN |
| 60715 | CT | TUNIS-CARTHAGE | TUNISIA | 71049 | C | WAGER BAY (AUT), MAN | CANADA |
| 24507 | CT | TURA | RUSSIAN FEDERATION | 97340 | C | WAINGAPU/MAU HAU | INDONESIA |
| 76640 | C | TUXPAN.VER. | MEXICO | 47600 | CT | WAJIMA | JAPAN |
| 48354 | C | UDON THANI | THAILAND | 47401 | CT | WAKKANAI | JAPAN |
| 28722 | C | UFA-DIOMA | RUSSIAN FEDERATION | 97686 | C | WAMENA | INDONESIA |
| 35416 | C | UIL | KAZAKHSTAN | 12375 | C | WARSZAWA-OKECIE | POLAND |
| 97180 | C | UJUNG PANDANG/HASANUDDIN | INDONESIA | 10544 | C | WASSERKUPPE | GERMANY |
| 44212 | C | ULAANGOM | MONGOLIA | 71199 | C | WATSON LAKE (AUT), YT | CANADA |
| 44214 | C | ULGI | MONGOLIA | 10688 | C | WEIDEN | GERMANY |
| 44272 | C | ULIASTAI | MONGOLIA | 10980 | C | WENDELSTEIN | GERMANY |
| 47115 | C | ULLEUNGDO | REP KOREA | 10055 | C | WESTERMARKELSDORF | GERMANY |
| 33587 | C | UMAN' | UKRAINE | 92004 | C | WEWAK W.O. | PAPUA N GUINEA |
| 44304 | C | UNDERKHAAN | MONGOLIA | 93112 | T | WHENUAPAI | N ZEALAND |
| 68424 | CT | UPINGTON | SOUTH AFRICA | 71964 | C | WHITEHORSE A, YT | CANADA |
| 35108 | C | URALSK | KAZAKHSTAN | 72351 | C | WICHITA FALLS/SHEPS AFB/WICH | USA |
| 38396 | C | URGENCH | UZBEKISTAN | 11035 | CT | WIEN/HOHE WARTE | AUSTRIA |
| 17188 | C | USAK | TURKEY | 72513 | C | WILKES-BARRE-SCRANTON, PA. | USA |
| 87938 | C | USHUAIA AERO | ARGENTINA | 68110 | C | WINDHOEK | NAMIBIA |
| 32287 | C | UST'- HAJRJUZOVO | RUSSIAN FEDERATION | 94313 | C | WITTENOOM | AUSTRALIA |
| 01403 | C | UTSIRA FYR | NORWAY | 12497 | C | WLODAWA | POLAND |
| 33631 | C | UZHGOROD | UKRAINE | 47055 | C | WONSAN | DPR KOREA |
| 61995 | T | VACOAS (MAURITIUS) | MAURITIUS | 94659 | CT | WOOMERA AERODROME | AUSTRALIA |
| 80472 | C | VALENCIA | VENEZUELA | 12425 | T | WROCLAW I | POLAND |

STATION LIST RECENT DATA

| | | | |
|-------|----|-----------------------------|---------------------|
| 51463 | CT | WU LU MU QI | CHINA |
| 10655 | C | WUERZBURG | GERMANY |
| 56571 | C | XICHANG | CHINA |
| 36064 | C | YAJLJU | RUSSIAN FEDERATION |
| 72781 | C | YAKIMA/YAKIMA AIR TERMINAL, | USA |
| 64661 | C | YALINGA | CENTRAL AFRICAN REP |
| 94589 | C | YAMBA PILOT STATION | AUSTRALIA |
| 23463 | C | YANOV-STAN | RUSSIAN FEDERATION |
| 91413 | C | YAP, CAROLINE IS. | USA |
| 34866 | C | YASHKUL' | RUSSIAN FEDERATION |
| 62008 | C | YEFREN | LIBYAN ARAB JAMAHIR |
| 40439 | C | YENBO | SAUDI ARABIA |
| 47168 | C | YEOSU | REP KOREA |
| 37789 | C | YEREVAN/YEREVAN-ARABKIR | ARMENIA |
| 57461 | C | YICHANG | CHINA |
| 51431 | C | YINING | CHINA |
| 65167 | C | YOLA | NIGERIA |
| 47744 | T | YONAGO | JAPAN |
| 72525 | C | YOUNGSTOWN, OH. | USA |
| 14430 | T | ZADAR RS | CROATIA |
| 14236 | C | ZAGREB/GRIC | CROATIA |
| 08130 | C | ZAMORA | SPAIN |
| 81225 | C | ZANDERIJ | SURINAME |
| 08160 | C | ZARAGOZA/AEROPUERTO | SPAIN |
| 34398 | C | ZHALPAKTAL | KAZAKHSTAN |
| 35671 | C | ZHEZKAZGAN | KAZAKHSTAN |
| 24343 | C | ZHIGANSK | RUSSIAN FEDERATION |
| 41620 | C | ZHOB | PAKISTAN |
| 61695 | C | ZIGUINCHOR | SENEGAL |
| 10582 | C | ZINNWALD-GEORGENFELD | GERMANY |
| 36038 | C | ZMEINOGORSK | RUSSIAN FEDERATION |
| 31829 | C | ZOLOTOJ | RUSSIAN FEDERATION |
| 17022 | C | ZONGULDAK | TURKEY |
| 61404 | C | ZOUERATE | MAURITANIA |
| 62007 | C | ZUARA | LIBYAN ARAB JAMAHIR |
| 06660 | C | ZUERICH-METEOSCHWEIZ | SWITZERLAND & LIECH |
| 10961 | C | ZUGSPITZE | GERMANY |
| 25400 | C | ZYRYANKA | RUSSIAN FEDERATION |

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

Hourly Precipitation Data

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

Climatological Data

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

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

Storm Data

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

Monthly Climatic Data for the World

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

Local Climatological Data

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

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